

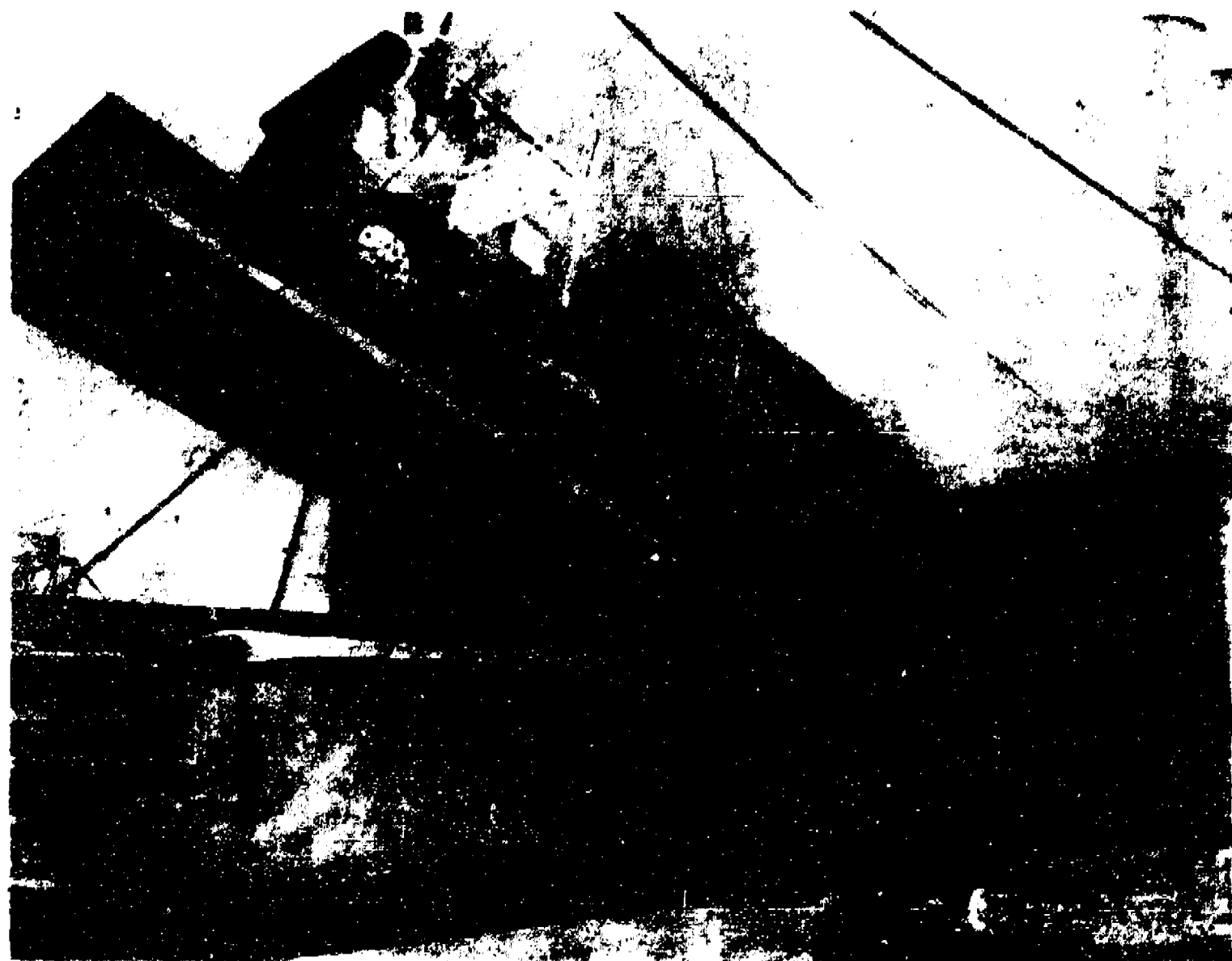
QUOTE
"Be you never so high,
the law is above you."
— Thomas Fuller

ONE HUNDRED SIXTEENTH YEAR No. 9

CHELSEA, MICHIGAN, WEDNESDAY, JULY 30, 1986

25¢
per copy
22 Pages This Week

The Chelsea Standard



UNLOADING WHEAT at Chelsea Milling Co. takes about 10 minutes per load, according to Dudley Holmes Jr., vice-president of

the company. This includes performing all quality control tests. If you've ever wondered how they do it, the photo says it all.



THIS IS A SMALL LOAD OF WHEAT compared to most of the trucks that unload at Chelsea Milling Co. A large semi-truck will hold more than 1,000 bushels of wheat, more than 50,000 pounds worth.

The bigger it gets are usually bringing in wheat from elevators scattered over a wide area.

Wheat Harvest Disastrous For Local, State Farmers

This year's wheat crop has been nearly a disaster for area farmers, and for farmers in the Great Lakes area in general.

The crop is diseased, yield is down as much as 40 percent for some producers, moisture content is up, and price is down as much as 60 cents or more per bushel, according to area sources.

According to Bill Ames of the co-operative extension service, the main problem has been the weather. When there should have been hot, dry weather, there was rain. And when there should have been rain, it was hot and dry.

The weather caused the ideal environment for disease to form.

"The big problem is scab (a disease)," Ames said.

"Wheat with scab can cause problems if it's fed to livestock. For example, it can affect the reproduction of hogs."

Ames said most area farmers have had yields of 50-60 bushels per acre, whereas an average yield would be about 70 bushels.

Last year's crop produced yields of 80 bushels or more.

"I wouldn't be surprised if some didn't even get as much as 50," Ames said.

Jerry Heydlauff, manager of Honegger's Inc., a large local

mill, said this year's crop is probably the worst he's seen in the last 30 years.

"I've maybe never seen a year this bad," Heydlauff said.

"I've seen sprouts before, and diseases and mold before, but I've never seen them all combined with low test weights."

Heydlauff said that prices for some farmers are off as much as 30 percent due to the combination of market conditions and discounts given for too high a moisture content or too low a test weight. He said last year farmers were getting about \$3 per bushel without discounts. This year

(Continued on page eight)

Clunkers Needed For Demo Derby

The Chelsea Community Fair's Demolition Derby is plagued by its own success.

Each year, over 100 cars have one last fling at the fairgrounds before being barged and broken, they are towed from the derby site to scrapyards and are never seen on public roads again.

Now, potential derby cars are scarce. Event organizer John Klink says this year's derby participants should line up a "unit" well before the two-part event, scheduled for Aug. 26-27.

The fair runs Aug. 26-31.

The scarcity of derby cars has driven up the price, according to Klink, but that shouldn't stop participation by men and women who can get the abandoned clunker in the yard running and headed for the fairgrounds.

A sampling of people along Chelsea's Main St. turned up a variety of opinions about the ideal car to enter in the derby.

• Jeremy Guenther, 12, son of Marvin and Maryann Guenther of Chelsea, thinks he would enter

a station wagon. "It's a bigger car that has a bigger engine," he said. "I think it [competing] would be fun. I'd like to do that some day."

• Ed Buszka of Dexter would go with "a good Chevrolet Monte Carlo." Why's that? "It's built solid and it's got a good frame," he said.

• Larry McDonald, visiting Chelsea from Plymouth, nominated a Chrysler. "They're pretty heavy," he said. "Or a station wagon. They last longest."

• Alan Paul of Chelsea also liked the idea of rolling out the heavy armor. "I'd have to be a tank, something heavy. An old Oldsmobile would be right."

• Regina Craft, 9, a student at South school, stayed with a domestic brand. "I'd enter a Ford because it's a good car," she said.

Whatever the make, 100 cars with enough life for one last go-around will no doubt be coaxed to the fairgrounds on those two nights, and from there, it will be no turning back.

Sidewalk Days Offers Diversions, Displays, Bargain Merchandise

If you want to do a little browsing, have a good lunch, enjoy a little entertainment at the same time, Chelsea's 12th annual Sidewalk Days might be just what you're looking for.

Sidewalk Days, the final community-wide event before the Chelsea Community Fair, takes place Friday, Aug. 1 from 8:30 a.m. to 8:30 p.m., and Saturday, Aug. 2 from 8:30 a.m. to 8:30 p.m.

The event is being organized by the Chelsea Area Chamber of Commerce on behalf of the Chelsea Merchants Association.

Downtown merchants will once again have their products on sale outside their stores.

However, potential bargains aren't the only reason to attend.

More than 20 area artisans will have displays featuring wood-crafts, porcelain, dried flower ar-

rangements, wooden toys, baby quilts, custom jewelry, photography, baskets, doll clothes, cookie jars and many other items.

The Kiwanis Club of Chelsea will have its Kiwanis Kitchen set up to satisfy cravings for kneciwurst, hot dogs and soft drinks. There will also be a place to buy "elephant ears," those cinnamon-flavored, fried-dough treats.

Chelsea Fire Department plans to have a truck on display.

Firewise Heritage Crafters, a group of weavers and spinners, will be on hand to demonstrate their crafts.

Chelsea Depot will be open for tours each day. On Friday tours will run from 9 a.m. to 8 p.m. Saturday's hours are 9 a.m. to 8 p.m.

The seventh annual Antiques and Classic Car and Truck Parade will begin at 1 p.m. on Saturday, starting at the Parks Peddler store.

Anyone with any old, clean or unique truck, car or old vehicle that people would enjoy seeing is welcome to take part. All parade participants will receive a free lunch, courtesy of the Woodshed Eatery and Parks Peddler store. The parade has grown every year since it began.

Boyer and Fitzsimmons, Chelsea's own accomplished magicians, will be on hand to perform a little sleight of hand on Saturday at 3 p.m. on E. Middle St. near the village offices.

E. Middle St. and South St. will be closed to through traffic both days.

It all takes place, rain or shine.

Michigan Voters Cast State Primary Ballots On Tuesday, Aug. 5

Voters will go to the polls during Michigan's primary election, Tuesday, Aug. 5, to determine which of the candidates seeking offices at the local, county and state level will appear on the ballot at the General Election, Nov. 3.

Active campaigning has preceded this year's primary election, with many new names joining various political hopefuls on the list of office-seekers.

Six candidates seek to win the nomination for governor in the primary, including two Democrats and four from the ranks of the Republicans.

Incumbent Governor James J. Blanchard of Pleasant Ridge is seeking to retain the office.

Henry Wilson of Detroit also seeks the Democratic nomination for governor.

Republicans vying for the nomination include Brighton entrepreneur Dick Chrysler, Colleen Engler of Mt. Pleasant, former Wayne County Sheriff William Lucas of Detroit, and Dan Murphy from Sylvan Lake.

In Michigan's 2nd Congressional District, which includes both the Chelsea and Dexter areas, incumbent Carl D. Parrish of Plymouth seeks to represent the Republican candidate in November, while the Democratic Party has two Ann Arbor residents seeking its nomination, Don Grimes and Dean Fisher.

Four Republican candidates and three Democrats seek nominations to Michigan's 18th District State Senate seat.

The district covers all of Washtenaw county except Saline township.

Incumbent Democrat Lana Pollack of Ann Arbor will be opposed by Ronald W. Burk and David H. Raafaub, both Ann Arbor Democrats as well.

Seeking the 18th District State Senatorial Republican nomination during Aug. 5 balloting are Dale J. Apley, Jr., Rich Birkett and Richard L. Reed, all of Ann Arbor, and James Grapp of Ypsilanti.

Margaret O'Connor, incumbent 52nd District Representative, is

the single Republican seeking nomination for that office.

Donald E. Shelton of Saline is the 53rd District's lone contender for Democratic nomination.

A portion of the City of Ann Arbor, the City of Saline, and villages of Chelsea, Dexter and Manchester, as well as a portion of Milan, Livonia, Seis, Sharon, Freedom, Bridgewater and Manchester townships, in addition to the townships of Lodi, Pittsfield, Saline, York and Augusta, comprise the 52nd District.

Ann Arbor township voters form the 53rd State Representative District.

Candidates seeking nominations in the 53rd District are Ann Arbor Democrat Perry Bullard, incumbent, and Republican Vic Holtz.

Webster, Northfield, Salem, Superior and Ypsilanti townships are included in the 52nd District, where Ypsilanti's Steven T. Darr, seeking the Republican nomination, faces no challengers, but in-

(Continued on page four)

Sewer Plant Plans Are Half Finished

Chelsea voters in March approved the \$2 million bond referendum to build a new wastewater treatment plant on land adjacent to the old one off McKinley St.

That project has been moving right along, according to village manager Fritz Weber, although there has been little concrete to say about it.

The plant is still in the planning stages, Weber confirmed. Plans are being drawn up by Finkbeiner, Pettis & Stroudt, the village's engineering firm in Toledo. The next major step is to get approval of the plans from the Michigan Department of Natural Resources, sometime in the middle of fall, Weber said.

Assuming there are no problems with the DNR, Weber said,

the plans will be finalized by the beginning of 1987, and the request for bids will go out in March or April.

Weber said bonding probably won't occur until next May.

The village recently made its first request for money from the grant for the project given by the Environmental Protection Agency. The request, Weber said, was for \$50,000. The grant covers 55 percent of expenses.

Weber said that no money could be requested until plans for the project were half finished.

"There haven't been any significant changes to the plans," Weber said.

"There have been a few minor changes, mostly to the village's benefit."

Saturday Is Dedication of 'Welfare' Bldg. Historic Site

The old Glazier Stove Company's "Welfare Building," at 300 N. Main St., will achieve an official place in history this Saturday, Aug. 2, at 4 p.m., when the Chelsea Area Historical Society dedicates a marker that declares the building a Michigan Historic Site.

The public is invited to attend the ceremony, which is expected to last a half-hour.

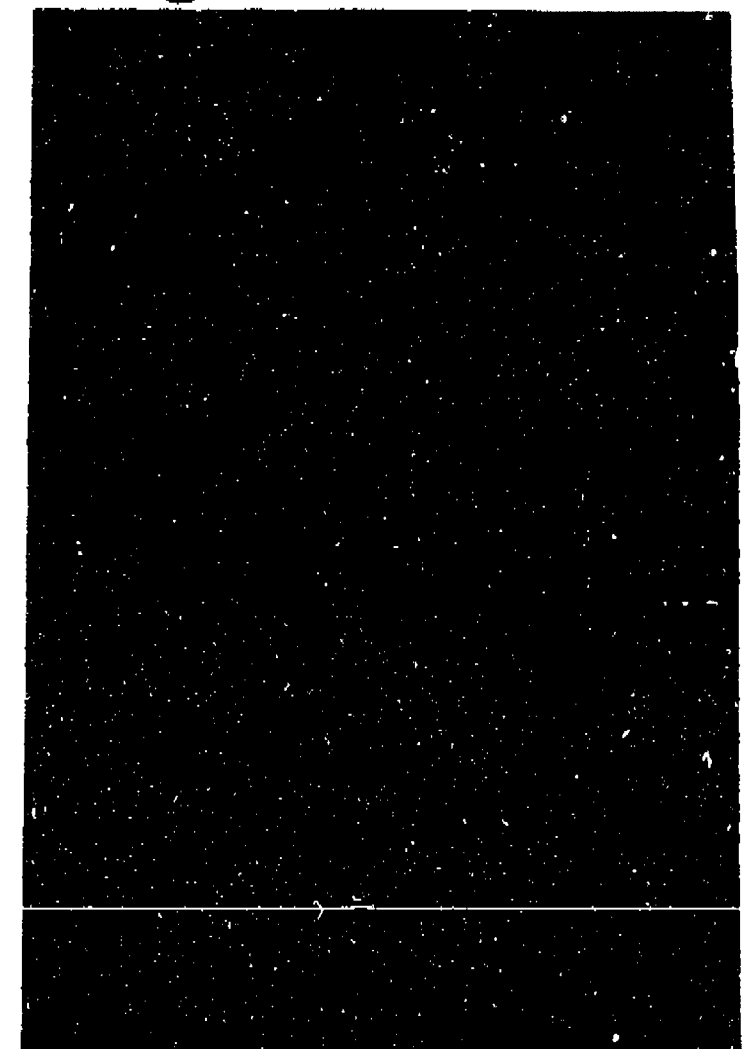
Main speaker will be Bradley Glazier, great-grandson of Frank P. Glazier, president of the stove company. Jerry Roe of the Michigan Historical Commission will present the marker. Donald Kvarnberg will perform musical selections, and local residents will help dedicate the marker.

The marker was purchased with funds provided by the Chelsea Historical Society and the Village of Chelsea, reports Marge Hepburn, a society member.

She credits the late Onis Titus with completing the forms required by the Bureau of History, Michigan Department of State, for the building to be designated a historic site. And she said it is the building's original function more than its form that qualified it for the designation.

Although the architecture is beautiful, the marker was requested and granted for the unique purpose for which the building was constructed.

(Continued on page four)



CHELSEA AREA HISTORICAL SOCIETY will lead Saturday's 4 p.m. dedication ceremony recognizing Glazier Stove Company's "Welfare Building" as a historic site. The ceremony will include erection of a historic site plaque.

The Chelsea Standard

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JUST REMINISCING

Items taken from the files of The Chelsea Standard

1 Years Ago . . .

Tuesday, July 27, 1985—

Local wheat harvesting is in full swing following a bout with good weather and if there's no rain within the next couple days the harvesting process should be just about done, according to Jerry Heydlauff of Honegger's and Co. As of Monday, white wheat was selling at \$3.50 per bushel, red wheat at \$3.25 per bushel.

Chelsea Jay Boy's softball team won the Ann Arbor Men's Major League championship by defeating defending champion Wolverine Supply, 12-0, in a five-inning mercy game, making them eligible to compete in the State Class A tournament held in Petoskey. This will be a 24 team double elimination event. Mike Laerman provided most of the fireworks for Big Boy, while Todd Orthing provided super defensive play, as Roger Peters, Wayne Weiten, and Bruce Wagner played well offensively. Jim Strick pitched a five-hit shut out.

Chelsea's 1985 girls softball team, the "Canaries," won the district 10 tournament held in Ann Arbor and now advance to the state tournament in Petoskey. Kelly Hawker, Tina Padlock, Chris Defant, Joanne Clark, Beth Unterbrink, Anne Weber, Chris Defant, Laura Anderson, Carol Nix, Sarah Combs, Chandy Hurd, Cindy Kwamborg, Linda Lepair, Jenny Catlett, Susan Jacques and Jill Schiffrin are coached by Pat Clarke.

11 Years Ago . . .

Thursday, July 27, 1972—

Chelsea Area Regional Planning Committee representing Lima, Waterloo, Dexter, Lyndon, Sylvan townships, are holding a public meeting Aug. 3 with CARPC officers Gordon Riethmiller, chairman; John Tandy, vice-chairman; and Robert Ward, secretary.

WEATHER

For the Record . . .

	Max	Min	Precip
Wednesday, July 23	84	66	0.00
Thursday, July 24	86	68	0.00
Friday, July 25	87	70	0.21
Saturday, July 26	90	72	0.00
Sunday, July 27	91	70	0.06
Monday, July 28	89	69	0.01
Tuesday, July 29	88	68	0.06

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MICHIGAN MIRROR

By Warren M. Hoyt, Secretary, Michigan Press Association

Treasury Department To Conduct Tax Evasion Study

As a follow-up to the state's tax amnesty program, Treasurer Robert Bowman announced the agency will attempt to strengthen enforcement with results from a study of returns of first-time taxpayers who volunteered payments during the 50-day amnesty period.

"There's still a lot of money out there to collect, but we believe our enforcement procedures are better than the Internal Revenue Service and among the best in the country. And this study, along with additional staff, is another step toward better enforcement," Bowman said.

Revenue Commissioner Susan Martin said the study would be the first in the nation on tax evasion using real data. She said the department will seek assistance from university researchers to analyze cumulative data.

"This will be a landmark study to help us and other states know more about these new taxpayers and could provide significant assistance in our ongoing and enhanced enforcement efforts," she said.

Officials said "thousands" of the 73,461 payments received during amnesty were from persons who had not been on the tax rolls previously. Their addition to the tax base will generate several million dollars more in revenue a year, they said.

In a related matter, Martin and the commissioners of the Great Lakes states will sign an agreement Wednesday in Chicago to exchange information and cooperate in sales and use tax enforcement actions when residents of one state purchase items in another.

"We estimate that our state loses between \$20 and \$50 million

a year through holes in sales and use tax," Martin said.

The agreement will include the states of Illinois, Indiana, Ohio, Minnesota and Wisconsin.

1985 Trial Court Filings Up 4 Percent

The annual report of the state court administrator reported nearly 2.6 million new cases were filed in the state's 240 trial courts during 1985.

The report indicated about 90 percent of all new cases (more than 2.3 million) were filed in the state's district courts while 100,000 new cases were filed in the circuit courts.

State Court Administrator V. Robert Payant said year to year comparisons are difficult to make because the state-wide collection of statistics from the trial courts has not been completely accurate in past years.

He added, however, that case filings in 1985 showed an increase of approximately 4 percent compared to the previous year.

The report noted traffic matters amounted to more than 70 percent of the district court filings, those courts conducted preliminary examinations or accepted waivers in 38,076 felony cases and heard 28,900 small claims cases.

The state's six municipal courts received 26,044 new filings.

The report showed a slight reduction from 1984 in the number of cases filed in the Supreme Court, but an increase of nearly 14 percent in the filings with the Court of Appeals.

Further the report noted a slight reduction in the cases filed with the Court of Claims, a branch of the Ingham County Circuit Court which hears claims filed against the state.

Uncle Lew from Lima Says:

DEAR MISTER EDITOR:

What if they give a hurricane season and nobody came? That question came up Saturday night while the fellers were discussing the way we name, measure, survey and compile everything we are and do and that is done to us. Bug Hookman said man might of invented time, but American man has broke it up in more little pieces for more odd reasons than anybody in history.

Natural, Bug said, if it is the Government has got to be involved in it. He had saw by the papers where the National Oceanic and Atmospheric Administration is in charge of hurricanes. This outfit can't do nothing about the weather, Bug went on, so it talks about it a lot and to get its budget funded ever year so it can keep talking about it. The first thing NOAA does about hurricanes ever spring is set down and name all the unborn babies.

The only good Bug said he can see of this is that when we see a bad storm coming we know what to call it, so maybe everybody being on a first-name base with a hurricane will calm the thing down a little. Bug said NOAA has come up with 21 names from A to W, leaving out X and other letters that would make words hard to yell to get out of the way of. They worked out different names for the east and west coasts, and they got back up names in case the usual June through November hurricane season gets into playoffs and runs long. NOAA does not discriminate on base of sex. The season opens with Andrew on the east and Agatha to the west, but which will be a hum-macane is anybody's guess.

Practical speaking, Zeke Grubb said, the reason NOAA gives hurricanes names instead of numbers or dates is so they will look better in the hurricane hall

of fame. Zeke read the same piece in the paper, and he took note that the matter and matter the storm is the same likely it is to have its name retired, like a ball players number nobody else can wear. When Hazel wiped out the Atlantic beachfront and dumped about two feet of ocean 30 mile inland in 1965, Zeke said, she didn't have to wait five year, she was voted into the hall of fame immediately.

The way the Government mind works, Zeke went on, NOAA eventual will switch to letters and numbers like car tags. Some static specialist will finger out all the names will be in the hall of fame in 7,000 year, so we'd better have a backup system. I once heard a college math teacher give the possible combinations of three letters and three numbers it was enough for a eternity of hurricanes.

Clem Webster was strong disagreed with Zeke. Clem said we like people names for places and things. We name our pets after ourselves, we name our boats for our wimmen and we do all we can to personalize everything in our lives. Clem said he is surprised we number our wars. Glenda or Ralph sounds a heap less violent than World War II. And how long, Clem wondered, before we name our droughts, floods, fires, flus and earthquakes. We can go back through history and honor our heroes by naming calamities fer em.

Personal, I blame all this on baseball. I heard a feller on the radio recent spend 15 minutes giving statics on two pitchers in one Angels and White Sox game. He had to go back 60 some year before he found a game to match their W-L, ERA and so on. You can look it up.

Yours truly,
Uncle Lew.

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The Chelsea Standard

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Mike Feeney & Friends

Gambles
Garnett's Florists
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The Loft
The McCalla Family
Merkel's Furniture
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Birthplace: City: _____ County: _____ State: _____

Married Spouse's Name: _____

Father's Name: _____

Mother's Name (inc. Maiden): _____

Employer's Name: _____ Employed From: _____

Employer's Address: _____

Veteran, which War: _____ Discharge Papers Location: _____

Safety Deposit Box & Key Location: _____ (include BOX NUMBER)

Location of Deed(s): _____

Insurance Policies Location: _____

Attorney: _____ Address: _____

Insurance Advisor: _____ Address: _____

Church Preference: _____

Club Membership, Offices Held: _____

Cemetery & Lot No. (if you have one): _____

Choice of Funeral Home: _____

Special Instruction to Family (music, clothing, burial, cremation, etc.) _____

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Rich Birkett
FURNITURE & CARPETS
SALE

For the full story on the Birkett sale, see page 10.

Hospital Auxiliary House, Garden Tour Set Sept. 7

"Through the garden gate" is the theme of the house and garden tour being planned by the Chelsea Hospital Auxiliary. Mary Joann, chairman, would like to announce that the event will be held on Sunday, Sept. 7 from 1 to 4 p.m.

Nine homes will be featured on the tour and will include the Chelsea and Dexter areas.



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Mr. and Mrs. Douglas Houk

D. Houk, C. Nadeau Are Wed at St. Mary's Church

Cheryl L. Nadeau and Douglas F. Houk were married April 18 at St. Mary's Catholic church of Chelsea. The Rev. Fr. Philip Dupuis and Deacon Richard Casaroff officiated the 6 p.m. ceremony.

The bride is daughter of Mr. and Mrs. Douglas J. Nadeau of Chelsea. The bridegroom is son of Mr. and Mrs. Norman Houk of North Lake.

Matron of honor was Sherry Nadeau, Ypsilanti, sister-in-law of the bride. Bridesmaids were Edith Dehn, North Lake, sister of the bridegroom; Tammy Nadeau, Ann Arbor, sister-in-law of the bride; Lisa Lindsay, Canton, cousin of the bride; and Chris Wolff, Indianapolis, friend of the bride. Flower girls were Heather and Gretchen Dehn, North Lake, nieces of the bridegroom.

Best man was Daniel Houk, Stockbridge, brother of the bridegroom. Groomsmen were Michael, Donald, Brian and Kenneth Nadeau, all brothers of the bride.

Organist was LaVonne Harris. Vocalists and guitarists were Jeanne Welton, Larry Koch and Sister Patricia Weigang.

A reception for 150 people was held at Barton Hills Country Club in Ann Arbor. Sarah Haselschwerdt of North Lake attended the guest book.

The couple took a wedding trip to Florida and is now living in Chelsea. The bride is employed by Central Title Service, Ann Arbor, and the bridegroom is employed by Industrial Technologies, Inc., Dexter.

VFW Auxiliary Offering Sidewalk Days Comfort Stop

The regular monthly meeting of the Ladies Auxiliary to the Veterans of Foreign Wars Chelsea Post No. 4976, District No. 6, was held Monday, July 24, at 7:30 p.m., with John L. Telt, president, presiding. The pledge of allegiance to the flag was led by Gertrude O'Dell, patriotic instructor, pro-tem, followed by our National Anthem.

There was one petition for membership. Eulalie Packard, chairperson of the investigating committee gave her report on the candidate.

The reading of official and other communications was followed by reports from committees, standing and special.

Dorlene Cozzens, membership chairperson, stated that over half the ladies had already paid their dues for the coming year.

Eulalie Packard, Americanism and Loyalty Day chairperson, reported that she had received six telephone calls from people who had had their American flags stolen from their homes.

Lucy Pratt, cancer aid and research chairperson wishes to thank all members for their support in selling the "American Bald Eagle" pins, we only have a few left from the 50 she picked up at the State Convention.

Virginia Boyer, community service chairperson is reminding all members that we will again be a Comfort Station on Aug. 1-2 for the Chelsea sidewalk sale. There will be coffee, pop and popcorn available for people.

The auxiliary will also be holding a bake sale on Friday.

Aug. 1, plus in-home demonstrators will be at the post home, and tickets for a Tupperware picnic set on Aug. 28 at 6:30 p.m., just before 4 p.m. Anyone wishing to purchase a ticket may do so at the VFW Chelsea Post Home comfort station, during the sidewalk sale. Monies from this Ladies Auxiliary bake sale will go to the Jerry Lewis Fund for Children. Persons wishing to help out at the Comfort Station, may contact Virginia Boyer at 475-7143.

Los Speers was given her charge as junior vice-president. The meeting was closed according to Ritual.

The next regular meeting of the Ladies Auxiliary will be held Monday, Aug. 11 at 7:30 p.m. at the post home.



For hot, buttered corn fill a large quart jar with hot water and sticks of butter. When butter melts and floats to the top, dip in the cobs and pull out slowly.

Senior Citizen Activities

Weeks of July 28-Aug. 6
MENU

Wednesday, July 30—Barbecued chicken, turnip greens, tossed salad, whole wheat bread and butter, fruit cocktail, milk.
Thursday, July 31—Sizzle steak on roll, hash brown potatoes, tomato-cucumber marinade, fresh fruit, milk.
Friday, Aug. 1—Chef's salad bowl with turkey, cheese, tomatoes, egg dressing, roll with butter, apricots, milk.
Note: Call Senior Nutrition Center for week of Aug. 4-6 menu, 475-9247.

ACTIVITIES

Wednesday, July 30—
9:30 a.m.—Cards.
9:30 a.m.—Needlework.
10:00 a.m.—Ceramics.
1:00 p.m.—Fitness.
1:00 p.m.—Bowling.
Thursday, July 31—
No square dancing until Sept. 4.
9:30 a.m.—Cards.
9:30 a.m.—Sewing for Veterans' Hospital.
9:30 a.m. & 1:00 p.m.—Needlework.
1:00 p.m.—Kitchen Band.
2:00 p.m.—Walking.
Friday, Aug. 1—
9:30 a.m.—Cards.
9:30 a.m.—Needlework.
10:30 a.m.—Progressive euchre tournament.
Saturday, Aug. 2—
7:30 p.m.—Card party at North school.
Monday, Aug. 4—
9:30 a.m.—Cards.
9:30 a.m.—Needlework.
9:30 a.m.—China painting.
9:30 a.m. & 1:00 p.m.—Bingo.
1:00 p.m.—Stained glass.
Tuesday, Aug. 5—
9:30 a.m.—Cards.
9:30 a.m.—Needlework.
10:00 a.m.—Ceramics.
1:00 p.m.—Fitness.
1:00 p.m.—Bowling.

Body Glow Personnel Attend State Meet

About 275 of Michigan's aerobic dance exercise instructors attended the recent International Dance-Exercise Association (IDEA) Michigan state meeting. Among those attending the event was Peg Skelton, director, Jean Cooper and Cindy White, instructors for Body Glow Workout Studio, Chelsea.

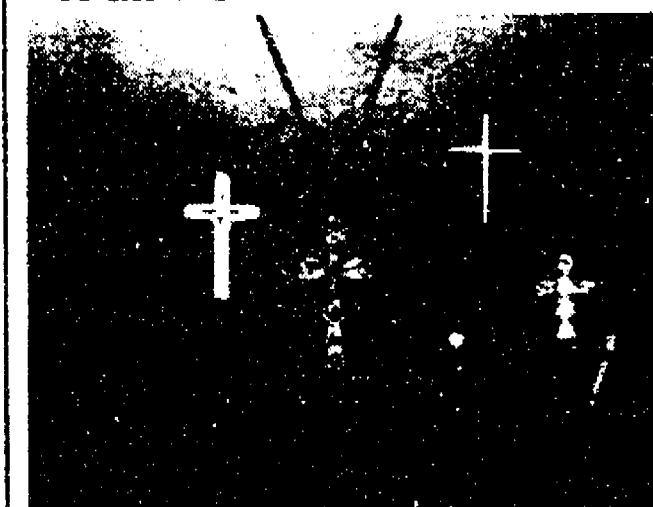
The Michigan meeting was the first of 50 state meetings which IDEA will conduct. The IDEA is a San Diego-based trade association of more than 10,000 dance-exercise professionals in the United States and 34 countries.



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JULY 5 WEDDING: Michelle R. Moffat, daughter of Mr. and Mrs. Paul Moffat of Gregory, and Darin M. Rowe, son of Mr. and Mrs. Dave Rowe of Waterloo, were married at the Gregory home of the bride's brother and sister-in-law, Mr. and Mrs. Tob Moffat. The Rev. Larry Nichols of Waterloo Village United Methodist church officiated the ceremony. A wedding trip to Colorado followed.

34 Years Ago...

(Continued from page two)
field Congregational church. His has been the longest pastorate in the history of the Chelsea church whose congregation increased considerably and many improvements of the church and parsonage were completed.

Reuben Haselschwerdt suffered multiple injuries last week, when the cab of the truck he was driving was demolished by a New York Central train at the Lima Center Rd. crossing at Four Mile Lake and he escaped instant death when he was thrown out of the cab about 150 feet. Haselschwerdt carried a load of wheat in the truck and was maneuvering it into line for unloading at Blaes Elevator Co.

TV fans everywhere lost considerable sleep watching conventions as Adlai Stevenson (D) and General Dwight D. Eisenhower (R) were nominated for U. S. presidential candidates. Many local people said they learned more about convention procedure during these televised conventions than they had ever known before.

During the 1985 fiscal year, the Labor Department cited 758 employers for illegally employing minors; the employers were assessed more than \$1 million in penalties for violation of the child labor provisions of the Fair Labor Standards Act, according to the Labor Department's annual report.

BACK-TO-SCHOOL SPECIALS

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TIGERS of the Chelsea Little League played a spirited contest last week. In the front row, from left, are Calen White, Sean Graftand, Nathan Mackinder, David Stimpson and Danyon Collins. In the back row, from left, are David Selts, Nathan Oake, Howie DuRussel, Jeff Evison, Vince Stahl,

and Hebbie Maybourn. Skip Oake is the coach. Not pictured are players Ian Dyer, Rob Bergman, Alex Roskewski and Ramon. Also not pictured are coaches Paul Stahl, Steve Bergman and Mike Roskewski.

Primary Election Set Aug. 5

(Continued from page one)

cumbent Gary M. Owen of Ypsilanti and two other Ypsilanti residents, Sammy R. Goble and John Wagner, are making bids for the Democratic nomination.

In the race for non-partisan judicial positions, only one contest exists at the primary election.

Three judicial candidates are seeking the office of Judge of the Probate Court, vacated when Judge Rodney Hutchinson resigned in March, 1986.

Attorney John N. Kirkendall of Ypsilanti was appointed to temporarily fill the seat.

He seeks to continue as probate judge, but Edward L. Vandenbergh, Jr., and Elmer E. White, both Ann Arbor attorneys, are also in contention.

The successful candidate in the primary election will be named to the seat.

Joseph B. Sullivan of Grosse Pointe Park and Myron H. Wahls of Detroit have filed for seats on the 1st Court of Appeals District, both are incumbents.

Two are to be elected.

Ann Arbor's Ross W. Campbell faces no opposition during his try to retain the seat on the 2nd Circuit Court.

Incumbent Kenneth Bronson is the single candidate seeking the judgeship for District Court 14A.

S. J. Elden of Ann Arbor is alone in his bid for the 15th District Court seat.

Manchester residents Glenn Miller and incumbent Ellis J. Pratt, both of Manchester, have no competition in the primary contest.

They seek the nominations in District 1 as Washtenaw County Commissioners.

Miller is the Democratic candidate and Pratt is a Republican choice.

Voters from Dexter, Webster and Scio townships also face no decision at the primary as they consider candidates for County Commissioner in District 2.

Jan BenDor of Ypsilanti, Democrat, challenges Republican incumbent Martin L. Straub of Chelsea on the November ballot, but neither has competitors in August.

During balloting at the primary, voters in the each of the township precincts throughout the county will elect "precinct delegates" to Democratic and Republican state conventions.

Voters need to pay special attention to the individual candidate names and the number to be elected from the precinct, although in some cases, no candidate filed.



BLUE BOMBERS have had a good time in the Junior Miss softball league, and they're on top with a 4-0 mark. In the front row, from left, are Sarah Franklin, Jessica Rodenkirch, Michelle Swenson, Jennifer McEachern and Michelle

Berthodale. In the back row, from left, are Brenda Brode, Brooke Pitts, Katie Fowler, Jill Hearn, Sara Moseid, and Sandy Schmid. The coach is Bob Liebeck.

Historic Marker Set for Glazier 'Welfare' Building

(Continued from page one)

"Frank P. Glazier, a Chelsea businessman and manufacturer, built the Welfare Building in 1906 as a recreational facility for his stove company employees. This was a novel idea at the time and years ahead in employer concern for employee welfare."

A magazine article titled "A Michigan Manufacturer Who Was King for a Day," written between 1910-1920, says the welfare building "was intended for the moral and social uplift" of Chelsea's working class.

"When one considers that practically all the working people of the village were employed at the stove works, and that none of them lived more than half a mile away from their work, the practical necessity of such a structure may well be questioned," reports the article.

"But the making of it gave employment to the architects and the builders and nearly seventy thousand dollars was spent upon it before it was left in its present incomplete state."

The article goes on to describe the building's elaborate interior trimmings and the up-to-date plumbing system that was installed in the men's lavatory. It also notes the presence of a "concrete swimming bath" in the basement and an 800-seat auditorium—which could be converted to a basketball court—upstairs.

Marge Hepburn said the building's use from the late-1920s until 1942 is unknown, but during World War II Federal Screw Works made shell casings for the

United States Navy in the building.

"The beautiful interior of the ground floor was destroyed," she said.

Again, no account is made of the immediate post-war interval.

The Chelsea Standard has occupied the building since 1960, and in 1980 the paper's

publishers, Walter P. and Helen May Leonard, bought the building from Olivet College.

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1978 FAIRMONT WAGON, 43,000 miles	\$2,995
1982 ESCORT 4-dr., automatic transmission	\$3,495
1984 ESCORT	\$3,650
1981 GMC PICKUP, C1500 series	\$3,995
1984 FORD Escort 2-dr., locally owned	\$3,995
1981 OLDS OMEGA 4-dr. Sport Model	\$3,995
1983 FORD F-150 Pickup, priced cheap	\$4,695
1983 BUICK SKYLARK, 2-dr. Just reduced	\$4,695
1985 FORD RANGER	\$5,495
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1983 PONTIAC 6000 STE 4-dr.	\$5,995
1983 FORD THUNDERBIRD, local car	\$6,495
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1983 MERCURY Grand Marquis 4-dr.	\$8,495
1984 MUSTANG CONVERTIBLE, lady-owned	\$9,995
1985 THUNDERBIRD Turbo-coupe	\$11,900
1985 FORD CROWN VICTORIA, 4-dr., full equipment	\$11,900
1985 LINCOLN CONTINENTAL 4-door, only 10,000 miles	\$17,900
1985 LINCOLN TOWN CAR, 5,400 miles	\$19,900

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A VIEW from the CLOCK TOWER

By Will Connelly

This is fiction, but only to protect the innocent.

In an idle moment Saturday afternoon you are visiting at Cousin Fred's convenience store when a young man casually enters by the front door. What shocks you is that this person is wearing a nylon stocking mask and carrying a nickel plated, snub nosed revolver. Seeing you first, he menacingly waves the gun to indicate that you should stand aside in a corner of shelves. You obey and begin intense scrutiny as the armed visitor turns the muzzle toward the middle aged proprietor, Freddie, who has been looking down at a scratch on the counter, looks up and is startled to see and hear the man as he gives a quiet command, "Clean out the cash register and drop it in a paper bag."

The proprietor begins to comply. It's less than \$400 and all but \$100 is covered by insurance.

You have sized up the unshaven hoodlum with his reddish brown whiskers pushing through the nylon mesh. He is in his late teens or early twenties and a white scar forms a crude X on the back of his gun hand.

Looking through the front window beyond the man's shoulder, you notice a police officer walking on the opposite side of the street. Suddenly he stops at that very moment to center his attention on Fred's Mini Score.

By this time the register is empty; the grocery bag is almost full. "Drop your wrist watch in, too," the robber orders. He then adds, "That fancy gold ring looks nifty. Toss it on top of the watch."

Fred looks frantically at his wedding ring which he has worn lovingly for 16 years. "My wedding ring from Betsy!" he screams, leaping toward the gate in the counter.

Calmly firing two bullets through Freddie's brain, the hood turns the gun towards you. With no place to go and no possible defense, you slowly raise your hands above your head.

Keeping one eye on you, the gunman goes around the counter, stuffing his gun between belt and belly. He scoops the money bag off the floor, taking a moment to pick up some bills which had fallen loose. As he rises he finds himself face to face with a uniformed officer, and the barrel of a Police Positive .38 only inches away.

The murderer is soon in handcuffs and lying on the floor several feet from Fred's body. More police have responded to a radio call and you are driven to the station house. There you make a statement and a sworn identification of the sullen gunman—identified as Charles "Zookie" Braun.

The circumstances of the crime, the eye witnesses, the matching ballistics of the gun and bullets, the war and other identification make this a classic "smoking gun" case.

Several weeks later you testify at his trial in circuit court. Deliberating less than two hours, the jury of 12 convicts Zookie of murder in the first degree. A little later the judge sentences him to life imprisonment.

End of story? No. Barely the beginning of 3,361 felony homicides committed throughout the United States in 1983.

Freddie's killer was provided with free legal counsel. It was done under the law since Zookie was virtually penniless. And not one defense attorney. He was provided with a string of defense lawyers by the state through the Michigan district court, circuit court, appeals court and supreme court.

Is this battery of cases was not sufficient legal protection for the man who turned Betsy into a widow. The case of Charles Z. Braun was presented to the U.S. Court of Appeals and finally to the Supreme Court of the United States.

As things turned out, the defense lawyers, clerks, expert witnesses and other expenses added up to one million dollars of our tax money—even Widow Betsy's tax money.

The Zookie Braun case was not too unusual. It was a relatively complicated "smoking gun" setup where the murder was practically committed in public. Even the bear cop saw it all. The defendant's hope for victory rests on such resources as momentary sanity, poverty in childhood, negligent parents, lack of education, sex abuse, jury tampering, bribery and distortion of evidence. Almost any reader can recall some cases where there are conflicting witnesses, contradictory evidence, mental or physical disturbances—take your choice—and the case can turn into a two million dollar defense of a murderer who did it and meant to.

All of us hold to the protection of innocent people from being convicted for the crimes of others. On the other hand, how serious are we overextending our system of justice?

Nowadays new lawyers admitted to practice are paid \$65,000 a year by some leading law firms.

Yesterday in the old west, a man riding a stolen horse would be shot and hanged in 30 minutes.

With these elements in mind, let's go back to the roots of the Zookie Braun case. A criminal has had a fair trial as provided by the Constitution. He has been represented by a capable defense attorney in district and circuit courts. His case was tried before two responsible judges and a jury of his peers who have been time-scrubbed by both defending and prosecuting attorneys.

If he has been found guilty and sentenced by the court after full presentation of evidence and the testimony of two eye witnesses, how much more justice is he entitled to?

Admittedly, in the past there have been rare cases of mistaken identity. There have been errors in the handling of evidence, errors in law by prosecuting attorneys and trial judges, and this is why we

(Continued on page eight)



THE CUBS, front row from left: Tim Stacker, Matt Tuttle, David Pleske, Daniel Watson. Back row from left: Joe Aspramit, Joseph Frankila, Home Gegenheimer, Jason Resentretter, Jon Clark, Philip Steele. Coach by Dave Watson, left, and Steven Pleske.



WALTER F. HAMILTON, JR.



REUEL S. LONG, M.D.

W. Hamilton Elected Hospital Board Chair

Walter F. Hamilton, Jr., was elected chairman of the board of trustees of Chelsea Community Hospital for 1986-87. Hamilton was elected to a three-year term on the board in 1983, and served as vice-chairman for 1985-86. He previously served on the board between 1978 and 1983.

Hamilton is executive vice-president of Edwards Brothers, Inc., Ann Arbor, and president of Edwards Brothers-Carolina. He is the past president of the Civic Foundation of Chelsea, and currently serves on the board. He resides at North Lake with his wife, Peg. The Hamiltons have three daughters. Both he and his wife are active at St. Paul United

Church of Christ. Newly appointed to the board of Trustees is Reuel S. Long, M.D., chief of medical staff and director of anesthesia and operating room services at Chelsea Community Hospital. Long is serving as chief of medical staff for 1986-87. He is also in his third term on the Dexter School Board. Long and his wife, Judith, reside in Dexter. They have four children.

Soybean Referendum Split on Two Issues

By a 70% to 30% margin, Michigan soybean producers voted yes in a recent referendum to continue the soybean promotion program, but voted no by a 56% to 44% margin on a request to increase the soybean checkoff from 15¢ per bushel to a full one cent per bushel.

"I think this vote is generally going to have a positive impact on the soybean industry," said Bob Craig, manager of commodity activities and research for the Michigan Farm Bureau. "There is no question that Michigan soybean producers are pleased with the job their association has been doing for them."

Craig said he thought the request for an assessment increase went down to defeat, in part, because of low commodity prices and the sluggish farm economy.

Disabled women represented 8.5 percent of all working age women (ages 16 to 64) in 1981 or slightly more than 1 out of every 12 women in this age group, according to a fact sheet published by the Women's Bureau of the U.S. Department of Labor.

Immunization Clinic August Hours Added

Beginning the first Wednesday of August, the Washtenaw County Health Department will be adding the hours from 4:30 p.m. to 7:30 p.m. to its regular 1:30 p.m. to 4:30 p.m. immunization clinic at the Washtenaw County Service Center.

Services of the clinic include immunizations for children and adults. Available for children are diphtheria, pertussis, tetanus, rubella, measles, mumps, polio vaccine and the new Haemophilus B Influenza vaccine (HIB). Available for adults are diphtheria, tetanus, rubella, and measles vaccine. TB skin tests are also available.

Clinic schedules are as follows: Washtenaw County Service Center

4101 Washtenaw, Ann Arbor.
First Wednesday of every month 1:30 p.m. to 7:30 p.m.
Eastern Subcenter
555 Towner, Ypsilanti.
Second Wednesday of every month 1:30 to 4:30 p.m.
West Stadium Annex
2355 West Stadium, Ann Arbor.
Third Wednesday of every month 1:30 to 4:30 p.m.

Services are available to the public at no charge. For further information please call 973-1400.

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- Elected and appointed to various local government posts
- Graduate of the University of Michigan Law School and member of the Marching Band Alumni



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Judge of Probate

(Non-Partisan)

AUGUST 5, 1986

Paid for by the Kirkendall for Probate Judge Committee

COMMUNITY CALENDAR

Monday—

Chelsea Recreation Council 7 p.m., second Monday of each month, Village Council chambers.

Chelsea Substance Abuse Task Force—second and fourth Mondays, 7 p.m., Kresge House.

Chelsea Kiwanis Club meets every Monday, 6:30 p.m. at Chelsea Community Hospital.

Parent-Teacher South meets the second Monday of each month in the South School Library at 7:15 p.m.

Chelsea School Board meets the first and third Mondays of each month, 8 p.m., in the Board Room.

Chelsea Lionsess, second Monday of each month at the Meeting Room in the Citizens Trust on M-52, Chelsea, at 7:30 p.m. Call 475-0128 for information.

Alcoholics Anonymous Group, Chelsea, a self-help group for abusive or potentially abusive parents, Mondays, 7-9 p.m. Call 475-9176 for information.

Toughlove Parent Support Group—For parents troubled by their 'teen-agers' behavior in school, in the family, with drugs and alcohol, or with the law. 7:30 p.m. Mondays St. Joseph Hospital, 5301 E. Huron River Dr. Education Center, Classroom 8. Information: Sue Thomas, 871-4947, or Gale Cobb, 996-8781.

Lima Township Board meets the first Monday of each month at 8 p.m., Lima Township Hall.

Tuesday—

Sylvan Township Board meeting date changed for August to Tuesday, August 12, 1986, 7 p.m., 112 W. Middle St., Chelsea.

Olive Lodge 156 F&AM, Chelsea. Regular meeting, first Tuesday of each month.

Chelsea Area Jaycees, second Tuesday of each month at Chelsea Community Hospital. Open to men and women from ages 18 through 35. For more information call Tim Merkel, 475-3272.

American Business Women's Association 6:30 p.m. at the Chelsea Hospital fourth Tuesday of each month. Call 475-1707 for information.

Lima Township Planning Commission, third Tuesday of each month, 8 p.m., Lima Township Hall.

Chelsea Village Council, first and third Tuesdays of each month.

Lions Club, first and third Tuesday of every month, 8:45 p.m., at Chelsea Community Hospital. Ph. 475-7334 or write P.O. Box 121, Chelsea.

Chelsea Rod and Gun Club regular meeting, second Tuesday of each month at the clubhouse, Lingane Rd.

Chelsea Rebekah Lodge No. 130 meets the first and third Tuesday of each month, at 7:30 p.m.

Chelsea Communications Club, fourth Tuesday of each month, 8 p.m., Chelsea Lanes basement meeting room.

Wednesday—

VFW Post 4076 meeting second Wednesday of month, 7:30 p.m. VFW Hall, 105 N. Main.

OES, first Wednesday following the first Tuesday of the month at the Masonic Temple, 113 W. Middle at 7:30 p.m.

Thursday—

Chelsea Rod and Gun Club Auxiliary regular meeting, second Thursday of each month, 7:30 p.m., clubhouse, Lingane Rd.

Chelsea Area Players Board meeting second Thursday of each month, 7:30 p.m., at Citizens Trust meeting room. For more information call 475-2829.

American Legion Post No. 31. General meeting the first Thursday of each month at the post home, Cavanaugh Lake.

New Beginning, Grief Group first and third Thursday each month, 7:30-9 p.m., Family Practice Center, 775 S. Main St., Chelsea.

Knights of Columbus Women's Auxiliary, second Thursday of each month, 8 p.m., at K. of C. Hall, 2050 Old US-12.

Friday—

Senior Citizens meet third Friday of every month, pot-luck dinner, games and cards, 6 p.m. at Senior Citizen Activities Center at North school.

Toastmasters International, each Friday in the Woodlands Room at Chelsea Community Hospital at 12 p.m. for information call Judy Peak, 475-1311, ext. 311.

Overeaters Anonymous, meet every Friday, 7:10 p.m., Dexter library (upstairs), Baker Rd., Dexter. For more information call Vickie, 663-9134, or Margy, 426-4982.

McKune Memorial Library Book Sale, Friday, Aug. 1, 9 a.m. to 2 p.m. on the library porch, Main St., Chelsea.

Misc. Notices—

Drop-In Service, the Children's Center at Chelsea Community Hospital, 475-1311, ext. 405 or 406.

Parent to Parent Program: in-home, friendly, visiting support system for families with children. Call 475-3388, ask for Jo Ann.

Parents Without Partners, support group for single parents. Youth activities, social events, discussion groups. For membership information, call Polly N. at 971-4825.

Home Meals Service, Chelsea. Meals served daily to elderly or disabled. Cost per meal, \$2.25 for those able to pay. Interested parties call Ann Feeney, 475-1483, or Joyce Manley, 475-2736.

Chelsea Social Service, 475-1341, 2nd floor of Village Offices. Thursdays, 10 to 4, or if an emergency, need at other times, call Linda at 475-7405 or Jackie at 475-1925.

Sexual assault counseling for victim, family, friend. Assault Crisis Center, 4000 Washtenaw, Ann Arbor, 994-1616, no charge.

FIA Community Center, open Mon.-Fri. for free services: food, clothing and financial assistance.

Alcoholics Anonymous group meeting, every Wednesday, noon, 104 E. Middle St. Also Saturday, 7 p.m.

Christian Film Ministries will present "Chronicles of Fire" Friday and Saturday, Aug. 1-3 at 7:30 p.m. in Chelsea High Auditorium.

Class of 1966 Finalizes 20th Reunion Plans

The Class of 1966 will finalize plans for its 20-year reunion tonight at 8 p.m. at the home of Gary Houle, 2249 S. Lima Center Rd.

All final committee reports are due at the meeting, a spokesman said. The reunion is scheduled for Aug. 9-10.

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Rich Birkett
REPRESENTATIVE FOR STATE SENATE

Letters to the Editor

To the Editor,

This letter is about the Farm League (\$10 year olds) double elimination tournament with eight teams held Saturday July 26 at Dana Field. Games started at 8 a.m. and a long day began for the first four teams on the two ball diamonds. By 12 noon it was clear that this was a well-organized tournament with most players, parents, coaches, and spectators excited about good weather, the fun being had, and happy to have an opportunity to be on Dana Field—with Vets Park next door and facilities you could bring your whole family to!

Our team (Cubs) had played three games by 1:30 p.m., and were up to play the fourth team at 3:30 p.m. If we won that game, we might compete in the final game at 7 p.m. By the fourth inning of the 3:30 game, we were ahead by two runs (13-11). The schedule became a factor, and the umpire was consulting with officials and coaches about calling time we postponed. Then he called to the scorekeepers for the score. Orioles showed Cuba 12, Orioles 11, and Cubs showed 13-11. So coaches, umpire, and the two scorekeepers compared score sheets (kept by "mama" by the way). The disagreement went back to the first inning. Cubs had two runs, and Orioles indicated one run. We pointed out a triple that sent the second run home after two outs at first base. Then our last batter struck out (a "K" shown in his box). Orioles scorekeeper denied the triple and showed him left on 1st base. We explained how he got there on overthrows. She argued and argued and would not stop, even though we still would have been ahead by one run if we scratched that disputed run.

Umpires and coaches said Cubs' score sheet made sense. Orioles scorekeeper would not agree, she thought she was right. So Cubs' scorekeeper left the scene to leave it up to the umpire to decide. From the bleachers, Cubs' scorekeeper saw a cheer wave through the Orioles players, and wondered how they could be cheering over one point. We learned later our Cubs' coach had scurried at the powder-players were hot, tired, and winning—no decision was made by the umpire who was sweating. Orioles scorekeeper suddenly stood there, and finally our coach, we found out, said, "We forfeit!" The Orioles were told they won, then the cheer.

Murmurs of "but we won," "do we go home now?" "why are they cheering?" were heard from parents and players. However, not much fuss was made by the players on the Cubs team as they accepted their little medals from their coach and were told it was time to go home. I'm ashamed to say I went over to the other team and had words with their scorekeeper, since I and Mrs. Steele helped Ginger keep score for our game. Mrs. Morseau, who was one of the organizers of the tournament said, "Go talk to your coach." I saw how well everyone else seemed to be taking the decision, and I was happy to be able to use four Tiger tickets for the 7:35 game that night, as we were clearly out of the tournament. I did ask the coach "Why Did We Forfeit When We Won?" He said he was tired of arguing with them, and everyone had had enough with the delay.

By 5 p.m. we were on our way to Detroit with my Cubs son and a friend from another losing team. I thought to myself about the tournament and we did not discuss details with the two boys. "The Cub was our son who hit the triple in the first inning, and our scorekeeper, Ginger Watson, said later she'd be quoted as swearing on the Bible her score was correct." Then, out of the blue, my son said to his friend, "I hit a triple in the last game." His dad said, "I saw that! Nice going son." His friend said, "We did

pretty good in the last game, we only lost by one point." I said, "Was that triple in the first inning?" They both nodded.

We won't know the outcome of that double elimination tournament until the paper is printed July 30, unless our coach knows by Monday when we play another Farm League game. As a matter of fact, the Cubs have not been told or seen in the paper where they stand in the league results this season. They do know they've been on a "winning streak." A coach's wife said Saturday that her red team was "in first place by 1/2 a game." Another coach's wife told me she thought the Gray team was in second place. I hope Farm League coaches can somehow come up with the final standings by the Aug. 6 issue of The Chelsea Standard so I can see if the Red team is still first and the Gray team is still second, and maybe where we ended up. I somehow feel it's official if it is put in print.

Kathy Clark
P.S.—In spite of the outcome of the tournament, some of us Cub parents think Larry Nix does a fine job as umpire. He really knows the rules, and coaches, children and parents alike are learning from him. We've even had our share of, "batter threw the bat—HE'S OUT!"

To the Editor:

Last week "Disappointed Ex-Wife" told us that because her husband read Penthouse their marriage broke up. If you ask me or any one else who read this letter, it seems more likely that they got divorced because she wouldn't "engage in sexual activity" regularly. Just because he is 57 years old doesn't mean that he's too old.

Never Too Old to Boogie!!!

Dear Mr. Editor,

I would like to take the opportunity to thank all those who participated in this summer's musical "Carnegie," including the cast, the crew and all those who helped in the various tasks.

I would especially like to thank the producer, Pat Paulsell of Chelsea, who worked as hard as anyone to make this a wonderful show. And of course her husband, Don Paulsell, who worked tirelessly doing a multitude of jobs that had to be done. It takes the dedication and effort not only of these two, but for this summer's musical, it took over 120 people working for over six weeks to bring it to the stage. That is what makes community theater a unique and exciting experience—the efforts of those in the community and the area.

Some interesting facts from this summer's musical—over 80% of the cast and over 90% of the people backstage were from the Chelsea School District area. This musical had more young people in it than the Chelsea Players production of "Annie." To put on a musical of the caliber of "Carnegie" takes the talents of many dedicated people.

As in the past, the Chelsea Area Players will constantly ask community people to become involved with our productions but we will turn away no one who is willing to work to make each production a success.

Again, a sincere thank you to all those who participated and thank you to our audience who patiently attend our performance through the worst weather—man can dish out. Our next show will be this coming winter, the courtroom drama, "The Night of January 16th." See you there.
Michael H. Long
President, C.A.P.

Despite the current oil glut, Americans are turning to renewable energy sources reports National Wildlife magazine. Nine percent of our country's energy comes from wood, hydro, and wind-powered generators; that's up 30 percent since 1979.

Hot Weather Tips Offered for Farmers

As summer temperatures soar, farmers and livestock are feeling the effects of heat stress. Farm Bureau livestock specialist Kevin Kirk says there are ways to reduce that stress for both.

"First, have enough quality water available for the animals," Kirk said. "Second, try to provide

as much shade as possible. If the animals are in a lot or barn area, get the barn opened up as much as possible to allow maximum air movement. The farmer can beat the heat by taking frequent rest breaks, drinking more fluids and working in the shade."

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School Board Notes

Present at a regular meeting of the Chelsea Board of Education Monday, July 21 were: Dls. Grau, Comens, Redding, Satchell, Wiles, Cheron, superintendent Van Meer, assistant superintendent Mills, principals Williams, Stielstra, Benedict, Wescott, assistant principal Loren, community education director Rogers, curriculum director Blaisdell, guests.

Meeting called to order at 8 p.m. by President Dls.

A truth-in-taxation hearing was held prior to the regularly scheduled meeting. The purpose of the hearing was to have testimony and discussion on the levying of an additional millage rate of 0.1772 mills for operating purposes for the 1987-88 fiscal year. The Board of Education has the authority to establish that 20.36 mills be levied in 1986 from within its present authorized millage rate. The maximum additional proposed millage rate would increase revenue from all taxable property tax levies in 1986 otherwise permitted by Act 3, Public Acts of Michigan, 1982, by 0.001 percent.

Entered as official communications were: a letter from Mr. and Mrs. Gary Tuttle regarding a rewarding school year for their daughter at Beach school, and an inquiry from William Johnson regarding possible establishment of a girls golf team.

Assistant superintendent Mills reviewed the summer custodial/maintenance projects currently underway in the district. These projects include cleaning all rooms (floors, walls); stripping and waxing floors; cleaning all furniture; stripping and refinishing all gym floors; repairing lights, pencil sharpeners, etc.; cleaning windows; repairing faucets and plumbing; changing furnace filters; replacing or repairing window locks, hinges, etc.; cleaning drapes and shades; repairing broken furniture; cleaning (shampooing) all carpets; outdoor work (mowing lawns, spraying and fertilizing, shrubbery work); heating ducts and cleaning boilers; custodial services for summer programs; and major pool maintenance.

The board approved the First Agency of Kalamazoo as student accident insurance carrier; the cost of the 1986-87 school year will be \$8,320. This was the lowest of three bids.

The board approved the renewal of the National School Lunch Program Agreement/Certification for 1986-87.

The board granted approval for curriculum director Laurie Bissell to submit the district's study skills program for a "Share the Success" clinic of the National Association of School Boards with no financial commitment.

The board approved a daily pay rate of \$40 for substitute teachers.

The board adopted, as board policy, the federal guidelines relating to Chapter 1, Section 200.53 of the Federal Register, May 19, 1985, "Consultation with parents and teachers." The Federal Government is requiring this approval for Chapter 1 programs (reading) this year. The district has been following this policy in the past.

The board approved membership in the Michigan Association for Equity in Taxation for a fee of \$50. This is a co-operative effort of local governments to help increase their chances of winning property tax appeal cases.

The board appointed Jackie Rogers, director of community education, to serve as the board's representative to the Village Recreation Council.

Meeting adjourned at 9 p.m.

Disabled women represent 8.5 percent of all working age women (ages 16 to 64) in 1981 or slightly more than 1 out of every 12 women in this age group, according to a fact sheet published by the Women's Bureau of the U. S. Department of Labor.

Don't forget to renew your Chelsea Standard subscription!

School Editors Attend Workshops

The co-editors of Chelsea High school's newspaper, The Bleu Print, are primed for a successful autumn after attending workshops on newspaper production this summer.

Tami Harris and Stacey Murphy, 1745 juniors who will split the editing duties this fall, each attended workshops designed to familiarize students with newspaper production techniques.

Tami attended a workshop at Ball State University in Muncie, Ind., July 13-18. Stacey attended an earlier session held at Michigan State University.

"I learned a lot, and it was a lot of fun but a lot of work, too," Tami, 16, said of the experience.

All but \$40 of the \$140 charge for the workshop was paid by Chelsea High school, she added.

About 275 students from across the country attended the session, which was directed by John Cusinger, an Austin, Tex., high school teacher and newspaper adviser.

Tami, who served as copy editor on The Bleu Print last spring semester, said she would like to make the paper's layout more interesting by using techniques demonstrated at the Ball State workshop. "We were told to break up the copy."

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NEW LYNDON TOWNSHIP SUPERVISOR, John Francis, gave up police work after 15 years and now is completing law school. He combines his studies with township duties, family life and several outdoor (and indoor) pursuits. Francis took over the post July 22.

Wear Many Hats? New Lyndon Supervisor Does It

In Lyndon township, the zoning maps and measure's charts that are indigenous to a township supervisor's office are sharing quarters these days with John Francis' scuba gear and cross-country skis.

Francis was appointed July 22 to fill the unexpired term of John Hurd, who left Michigan July 15 with his family in order to assume the presidency of a Connecticut community college. The term expires in November of 1988.

Hurd turned over all the paraphernalia to Francis, who deployed it in the basement study of his family's home at 5019 South Lake Rd. Francis and his wife, Katie, a Spanish teacher at Ann Arbor's Tappan Junior High, built the house themselves in 1974. Today they own much of the adjoining property as well.

That year, their son Matt, now 13, was just a baby and Francis was in his third year on the Ann Arbor police force. In 1972, he had received a bachelor of science degree in criminal justice from Michigan State University. A year of police work in 1983 had convinced him to pursue the law.

But Francis left police work in 1984 so he could get a law degree at Wayne State University in Detroit. That first year, when he had classes five days a week, he got 30,000 miles on his car. Last year he cut back to a less demanding schedule and only totaled 13,000 miles.

"Also last year, he began to serve as Lyndon township's zoning inspector. He still holds the position but hopes the township board will find a replacement before its next meeting Aug. 19. Candidates for the position must live in the township and should contact Lyndon township clerk Linda Wade at 496-2042."

About to begin his final year of law school, Francis finds himself reaching to receive certification as he can serve as township assessor, which he sees as the supervisor's main job. He would like to be certified before school starts again in the fall.

He hopes to practice law in a small firm for a time, then teach criminal justice courses at a community college or university level. "I'm very flexible," he said of his plans for the law degree.

As for township matters, Francis says the leaders' basic concerns are "health, education and welfare," but thinks three areas will bear lots of attention in the future.

One is the regulation of growth, which he calls "steady" if not spectacular. It is important to upgrade roads—for example, the present widening of Meester Rd.—in order to provide adequate passage for emergency vehicles and to handle traffic.

A second priority is "the Cassidy Lake situation," as Francis labels it.

"I think there's definite reason to be concerned," he said. "It's a problem that's not going to go away."

The solution, he thinks, may lie with a revision of the selection process that sends serious offenders to the low-security facility because of overcrowding elsewhere in the prison system. In the meantime, better containment procedures are needed.

Third among the priorities is what he termed the "integrity of [township] ordinances." Zoning, road and displaced-building ordinances are to be revamped. "The board is going to do some re-organizing and updating to prepare the township for future growth." The changes will probably involve language clarifications, and Francis was quick to point out that the public will be

notified of impending action through the usual channels.

Of these priorities, the over-all objective is to maintain the township's "quality life-style," which Francis compares to that of northern California's Marin County.

So the business of running a township, which Francis found himself being "drawn right into" about the time he was appointed zoning inspector, has just about consumed what law school leaves of him.

Just about, but not completely. As soon as the discussion shifts to scuba diving, Francis becomes animated and tells how he and his friends dive in South Lake and at locations in Mexico. And there's the family's sailboat on the lakeshore, and the walks that he and his wife go on.

These are characteristics that are not going to go away.

Melanie Lee on Kalamazoo College Dean's Honor List

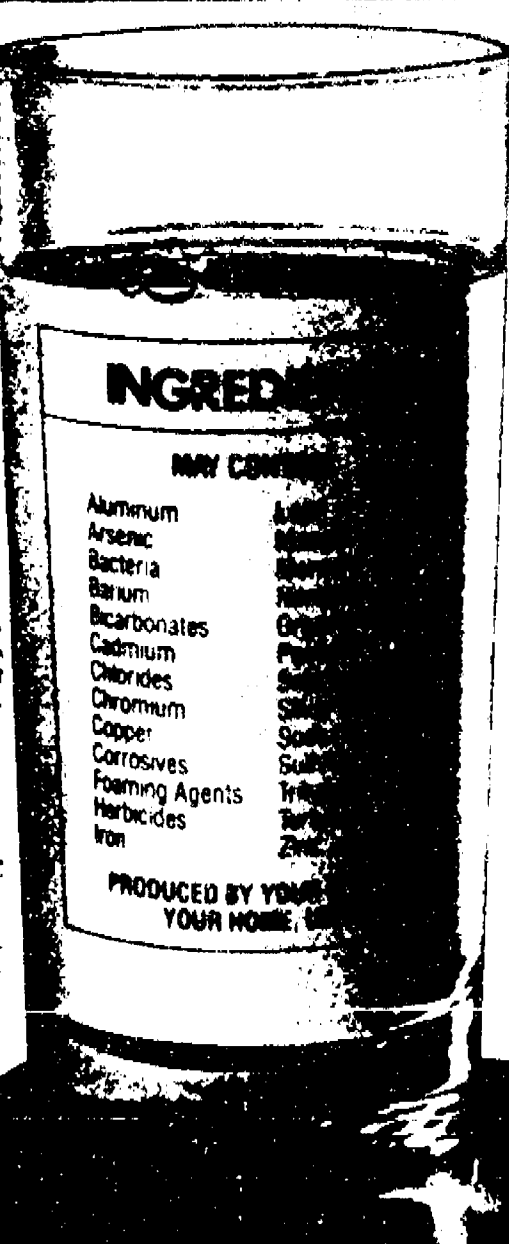
Melanie Jane Lee, daughter of Mr. and Mrs. Richard O. Lee, 14230 Hay Lake Hollow, Chelsea, was named to the Kalamazoo College dean's list for the 1986 spring quarter, school officials reported.

The 1985 Chelsea High school graduate was one of 141 Kalamazoo students who achieved a grade point average of at least 3.5. (A mark of 4.0 is perfect.)

Now in her junior year, the Spanish major spent last fall and winter in Spain at the University of Madrid. In September, she will leave for a semester of study in the Central American nation of Costa Rica.

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THE INDIANS, front row from left: Sam Moreau, Jeremy Mortzoff, Matt Colombo, Eric LeFurge, Justin Strong. Back row from left: David Wolfrum, Calvin Poe, R. C. Hart, Doug Marshall, Curt Carpenter, Kevin Walker, Matt Morris. Coached by Stan Moreau.

View from the Clock Tower Wheat Crop In Trouble

(Continued from page five)

have court of appeals. Appellate judges of judges. If an appellate court upholds the decision of the lower court in a "smoking gun" case, has justice not been fully and fairly done?

Or should we proceed further at public expense, appealing the appeals decision? Should we proceed on behalf of the killer claiming that the appeals court has rendered a sloppy, illegal judgment that is to be corrected by the Supreme Court?

The Michigan Bar Association may think so, but citizen taxpayers have the right to disagree. The Supreme courts deal with situations of institutional quality. They must deal with *first ever* Constitutional questions or review previous decisions which may have been in error or rendered obsolete by the passing of time.

Having said this far, I think the law profession should encourage faster and more economical treatment of all felony public processes. I don't think the public should attempt such reforms until the law profession has first shown with reality, as courts do, to have.

As I have said strongly in favor of immediate death for all "smoking gun" cases where guilt has been clearly established at the trial and appeals court levels. It costs about \$20,000 a year to maintain a prisoner in jail and what for?

The prosecutor's capital crime which has been tolerated far too long, and is rape. Close kin to the crime of rape is tampering sexually with a child. Both crimes are disgusting violations of decency and human relations with severe permanent damage to the victim. Both rape and sexual molestation of children should be corrected by castration.

Now the Civil Liberties Union and others may rush to the rescue of these violations by pleading that castration is unconstitutional because it is cruel and unusual punishment. Yet, with court approval, psychiatrists have used electric shock treatment for psychiatric outpatients.

These cases are not to be trapped between law, medicine, or religion. They are to be solved. You can get into all sorts of trouble by measuring by having a half used can of paint into the rubbish. The table is set for this and so does the town dump.

So, I take you to the... The August 1986 issue (page 23) of National Wildlife suggests offering poisonous paint letters to your neighbors to show business people.

(Continued from page one)

they're getting about \$2.40 or less, depending on the discounts.

Heydiauff said the average test weight has been in the 33-34 pounds-per-bushel range, and that anything under 36 pounds is discounted. He said moisture content has been in the 14-15 percent range, and that anything higher than 14 percent is also discounted.

Heydiauff also said the red wheat, which accounts for about 25 percent of his mill's intake, is in much better shape than white wheat because it tends to stand the weather a little better.

"There's no two ways about it, it's tough on the farmers this year," Heydiauff said.

Chelsea Milling Co. vice-president Dudley Holmes, Jr., said his company is also accepting wheat that doesn't come close to last year's crop. He said test weights have been from 37-44 pounds per bushel, compared to last year weights of 50-60 pounds, and, in some cases, 62 pounds.

Holmes also said moisture content is running about 13 to 13.6 percent. The company begins discounts above 14 percent.

Chelsea Milling gets most of its wheat from the thumb area of the state, where the crop is in substantially better shape, Holmes said.

If you draw a line from Grand Haven to Port Huron, above that you have good wheat. Below that line, the wheat gets worse the farther south you go. Below I-94, it's pathetic.



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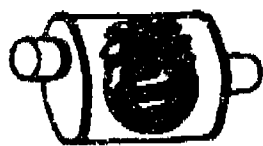
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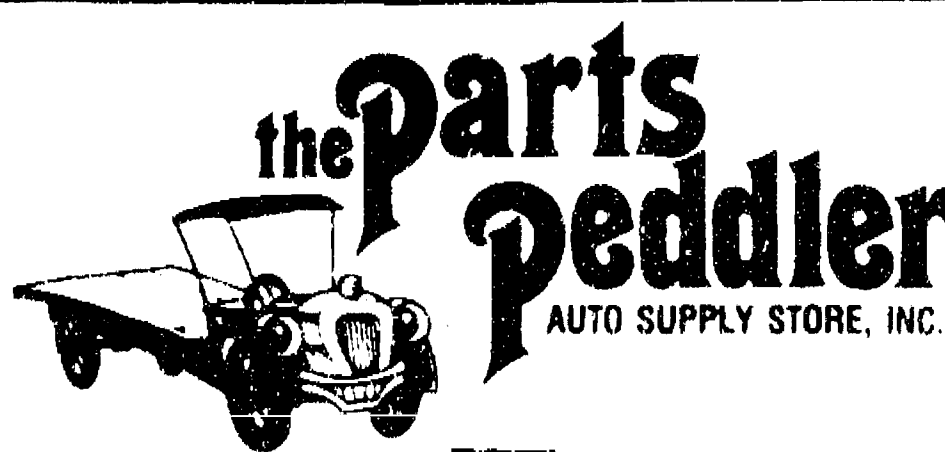
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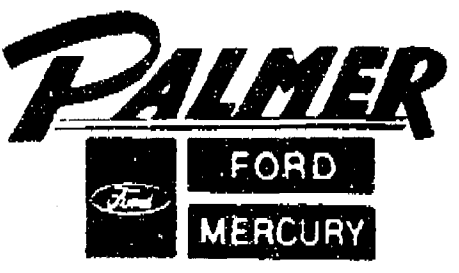


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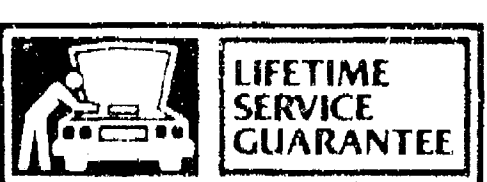
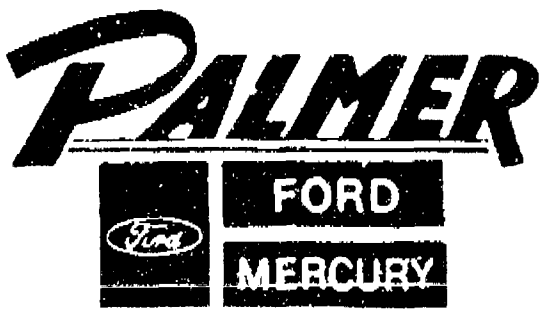
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Friday, Aug. 1, 8:30 to 8:30 — Saturday, Aug. 2, 8:30 to 5:30

DDA Says Its Plan 'Only a Starting Point' For Upgrading Town

While concerns that the people of Chelsea may be getting the wrong impression about the intentions of the Downtown Development Authority, DDA chairman Mark Heydlauff arranged an informal meeting last Friday of Chelsea businessmen, village administrators, and a Standard reporter to try to "get some things out in the open."

Attending the meeting were village manager Fritz Weber, assistant village manager Lee Palmer, insurance agent Jerry Apple, also a member of the DDA and Luther Kusterer, owner of Kusterer's.

At the last village council meeting Tuesday, July 22, DDA presented its plans for the central business district in a 30-page document called, "Chelsea Revitalization Strategy." A public hearing on the plan has been set for 7:30 p.m. Aug. 5, before the next village council meeting.

Heydlauff said that, in particular, two aspects of the plan were receiving far too much attention—tree planting on Main St. and studies on constructing a track by-pass around Chelsea.

Heydlauff said there are no concrete plans to plant trees all down Main St., "and in no way do we want to try to resemble Ann Arbor."

"I don't think the mention of Ann Arbor is a plus for us. They have a lot of things we can't have and a lot of things we don't want."

Sketches in the DDA plan, however, show quite a few trees being planted on Main St. in the central business district.

"What we are selling is a concept," Heydlauff said.

"Until we get this engineered out, we don't know if any trees can be planted, and then we'd only want them in appropriate places. I sure don't want a tree out in front of my building. Heydlauff's appliance store obscuring my sign."

Considering construction of a track by-pass is mentioned at least twice in the report, but Heydlauff said it is "a garbage part" of the plan, no one on the DDA supports such a project, and that he would have it eliminated from the plan.

Although Heydlauff says the DDA plan is meant to be no more than a starting point, "a very conceptual plan," the plan lists a number of specific projects, along with rough estimates of their cost.

The plan was based on a study by Johnson, Johnson & Roy, an urban planning firm in Ann Arbor.

"The whole purpose behind this, and for presenting it to council, and going for their approval is so something can be adopted, a tool to work with, to get started with, to generate discussions so that we can do some engineering drawings, decide what's feasible and what's not feasible, and the costs involved," Heydlauff said.

"Until we can get something to work from, we're just kicking around ideas. We felt the plan was good enough to start with. It's a sure not engineered concrete plans."

Heydlauff said the DDA, since its inception early this year, has worked mostly on developing the first few pages of the plan.

The first page is mostly a statement of the DDA's philosophy toward developing the downtown district. It mentions:

- Maintaining the strength of the downtown business district as an active community and market center
- Maintaining the historic character through restoration and renovation
- Encouraging the viability of the downtown area by providing adequate off-street parking and lighting within an attractive setting.

The second page mentions 18 specific immediate needs. Some of them include:

- Planting trees and improvement of the landscaping on N. Main St.
 - Beginning discussions with Corral and the Michigan Department of Transportation about plans for M-42 and land around the railroad
 - Helping the 14th District Court-house expansion
 - Studying post office driveway improvements
 - Switching parking lots with Harper Pontiac
 - Studies on land acquisition for parking
 - Improving the visual quality of Main St.
 - Improving the functional aspects for an over-all pedestrian system including walk signals, barrier-free ramped crosswalks and pedestrian signs
 - Enhancing the historic character with improved lower style lighting
 - Soften the pedestrian rights-of-way by planting trees
 - Studying financing options
- Village council has to approve the DDA's plan with a resolution before it can proceed.

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4-H Livestock Sale Slated At Farm Council Grounds

Thinking of filling the freezer? Washenaw county residents will have the perfect opportunity this month to do just that, with high quality, ground beef, pork or lamb.

The 4-H Fair Livestock Sale will be held at 7 p.m. Thursday, July 31 (tomorrow night), at the Farm Council Grounds on Saline-Ann Arbor Rd.

A list of meat processors will be available at the sale and arrangements may be made while you wait," advised Mrs. Archie (Cindy) Bradbury.

Free trucking is provided for purchasers at the Livestock Sale, making even fewer details necessary for the purchaser to worry about.

Anyone who feels they would like to purchase beef, pork or lamb, but who considers a whole animal is "too much" for them, may get one or more friends to

join them at the Livestock Sale (or make an agreement to share in advance of the sale) and have one person do the bidding.

A further benefit mentioned by one of the 4-H leaders and passed along by Cindy Bradbury concerns price.

"Lots of people probably think they couldn't afford to bid at the Livestock Sale, but actually prices are generally quite reasonable."

Any amount above "market price" on the date of the Livestock Sale (Thursday, July 31) may be used as a tax deduction by the purchaser.

Many of the same purchasers return each year to bid at the 4-H Fair Livestock Sale and they have only compliments about their previous purchases.

(Continued on page 19)

The Chelsea Standard

Section 2

Chelsea, Michigan, Wednesday, July 30, 1986

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PAVING WAS COMPLETED on W. Middle St. last week by Ajax Paving Co. of Jackson. According to assistant village manager Lee Palmer, the project should come in just below the estimated total

cost of \$282,000. The project replaced 1,100 feet of storm sewer and repaved 1,400 feet of road. It is the only major street project scheduled for this year by the village.

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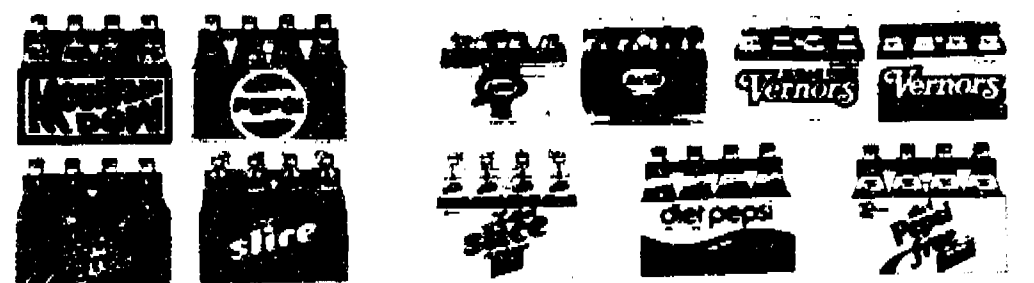
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SPORTS

Amy Unterbrink Tours Italy Pitching for Athletes in Action

When most people think of Italy, they're probably more inclined to think of meatballs than softballs.

As it turns out, though, softball is a growing sport in Italy, and Chelsea's Amy Unterbrink may have helped it become just a little bigger this summer.

Less than two weeks ago, Amy returned from Italy where she played for a team sponsored by Athletes in Action, a division of the Campus Crusade for Christ.

In addition to playing some of the best teams in Italy, the team also held daily clinics for the Italian teams.

Amy, of course, taught her

specialty, pitching.

Athletes in Action couldn't have picked a more qualified person. Earlier this year, Amy was chosen Woman Athlete of the Year at Indiana University after dominating the Big 10 and leading the team to the softball World Series in Omaha. She was 12-13 this season, with 26 strikeouts, five no-hitters, and a .40 earned run average.

Amy is also an education major at Indiana, and she plans to help coach the Central Michigan University team next season.

"They had pretty good, tough players with good fundamentals," Amy said.

"Their skills just weren't polished. That was our job, to show them the way to polish their skills. They were very open to what we had to say."

Amy found quickly that some aspects of the game were considerably easier to teach than others. A lot of it had to do with the language barrier.

"The skills part like base running was not hard because you can demonstrate those," she said.

"The hard part was teaching the strategy of pitching and hitting, such as when to throw a curve ball. I had to use an interpreter a lot."

The Italians, she said, had never been exposed to some of the finer points of the game, such as footwork.

"They were real excited about that."

Before leaving for Europe, the team spent two weeks in rigorous training in San Diego. She practiced six hours a day, five days a week, and played six games.

From there it was on to Torino, Italy, for four days, and then Bologna for two weeks, where they probably played a dozen games (she hadn't kept track). She came back before the tour was over to marry Rick Poljan last week-end. They are spending this week on a boat in Lake Michigan.

Pitching on a stomach full of pasta wasn't something Amy made a habit of before she left, but it was one of her daily routines in Italy. Her typical day included beginning with a light breakfast and starting her softball with a morning clinic. She spent the middle of each day with a family of one of the Italian players.

"They have a huge meal in the middle of day and they eat a lot of heavy pasta," Amy said.

"We'd have to roll back out on the field in the afternoon."

After playing softball for another few hours, including a 7 p.m. game, she'd have another big meal in the evening, perhaps followed by a little sight-seeing.

She even found time to do a little overseas consulting on her wedding plans.

"It was hard to get much done in three minutes," she said.

As far as the games themselves go, she said the competition was good and "I hit a lot better than I ever did at Indiana."

"It was similar to playing against a college team here, except the pitching wasn't quite as good."

When Amy wasn't pitching, she played first base.

"By the time I left, we had pulled together a pretty decent team," she said.

"That was something considering every player was from a different college and we came from all different divisions. The team got to be very close."

Amy and Rick will be living in Mt. Pleasant, where Rick, an offensive guard on the football team, has a year of eligibility left.

Any plans to take the 15 credit hours necessary to finish her degree. And she'll help coach the softball team, a team the Hoosiers beat on their way to the World Series.

Beyond that, Amy said she like to teach and coach, and perhaps try out for a spot on the Pan Am Games softball team next year.



AMY UNTERBRINK toured Italy this summer with Athletes in Action. The 16-player team competed against the best women's teams in Torino and Bologna, and conducted clinics. Her wedding plans cut the trip short.

Summer Baseball Team Bows Out With Losses

Chelsea's week-end summer baseball team completed their season on a sour note with a double-header loss to Saline, 5-2, and 10-7, on Saturday, July 26.

The first game was scoreless until the third inning when Saline took a 1-0 lead.

Chelsea struck back with two runs in the fourth inning as Larry Nix and Jon Lane led off with walks, Haist doubled in one run and Jeff Stacey squeezed in the second.

Saline regained the lead in the fifth inning on a three-run home run. They added their final run in the sixth.

Chelsea was held to three hits, singles by Lane and Anderson, and the double by Haist.

"It was just one of those games where Chelsea couldn't get the bats going," said coach Akel Marshall.

Nix pitched the first six innings and Haist finished the game. Nix allowed seven hits and five walks while striking out four.

In the second game, Chelsea fell behind 4-1 after three innings. Chelsea hitters managed only five hits, as Lane doubled and singled, Haist and Scott Gietzen doubled, and Randy Ferry singled.

"We had many runners in scoring position but couldn't get the big hit when it counted," Marshall said.

Greg Boughton pitched until the fourth inning and was relieved by Ferry. Ferry pitched shut out ball the rest of the way.

Boughton and Ferry struck out 12.

Chelsea finished week-end play with a 3-7 record, and 9-9 mark overall.

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LITTLE LEAGUE DODGERS look cool enough, but underneath they're a bunch of fun loving guys. In the front row, from left, are Eric Montague, Richie Dushane, Kevin McClellan, Chris Gilman, Steve Gross, Mike Eder and Jason Garvin. In the back row, from

left, are Corey Weid, Andy Wetzell, Cory Brown, Jason Tripp, Mark Eder and Jeremy Zeigler. The coaches are Earl Gray, left, and Tom Eder. Not pictured are Jason Lien and Jason Johnson.

Indians Nip Wildcats For Farm Tourney Title

Indians were the winners of the first tournament for Farm League baseball teams held last Saturday at Dunn Park. For their efforts, they received gold medals.

Second place went to the Wildcats, who received silver medals. All teams and coaches were given bronze medals for their participation.

A run down of the tournament games follows.

Cubs 14, Angels 5—
 Jon Clark and Boone Gegenheimer started the Cubs off by knocking in three runs. The Angels fought back with good hitting by Jason Hakken, Kent Young and Evan Knott.

Wildcats 9, Dolphins 4—
 Heavy hitting by Cameron Farmer, Chad Brown, Nathan Young and Dirk Wales had the crowd roaring. Fine defensive play by Brown and Matt Delong saved the game for the Cats.

Clippers 5, Tigers 3—
 Clippers came from behind. Clipper Jason Brown threw out a runner at second from right field. Robert Gonzalez and Jeffrey Branch also played well defensively.

Indians 12, Orioles 11—
 Biggest upset of the day. The game was close all the way until time ran out. David Beeman smacked a home run, Jason Rusner hit a grand slam, and Brandon Miller and Brad Jedele also hit well. Ryan Guenther and Gerrick Baize played well defensively. The winning run was scored by K. C. Harr. Doug Martell, Kevin Hafner, Sam Morseau and Calvin Poe each scored two runs for the Indians.

Cubs 9, Clippers 5—
 The game was tied early, but the Cubs scored three in the fourth to take the lead for good. Tim and Jim Erwin hit well. Jeff Branch made a diving catch.

Justin Navin, Jason Brown and Robert Gonzalez had good hits in the fourth inning.

Indians 10, Wildcats 12—
 Wildcats were in the lead, 12-11, until the Indians scored two in the fifth to take the lead. Dirk Wales was a big hitter for the Cats. Kurt Carpenter, Sam Morseau, K. C. Harr and Calvin Poe scored for the Indians.

Indians 16, Cubs 5—
 Good hitting for the Indians by Doug Martell, Kevin Hafner, Sam Morseau and Eric Lefurge. Good defense by Joe Aspiranti and David Peske.

Orioles 15, Tigers 2—
 David Beeman hit a triple and a home run, and Brad Jedele hit a home run. Jedele, Beeman, Drew Kyte and Ryan Guenther played well defensively.

Wildcats 11, Clippers 6—
 Brian Altee caught fly balls for the second and third outs in the first inning.

Orioles won by forfeit.
 A score discrepancy resulted in a forfeit by the Cubs, who were ahead 13-11.

Wildcats 12, Dolphins 4—
 A fine game by both teams.

Wildcats 8, Orioles 5—
 Good defensive play by Brad Jedele and David Beeman. Ryan Guenther and Damon McLaughlin were top hitters.

Wildcats 14, Indians 1—
 Wildcats jumped out to a commanding lead so that the Indians couldn't come back under the five-run-per-inning rule. Wildcats played excellent defense. Each Wildcat scored at least one run.

Indians 5, Wildcats 4—
 Wildcats scored two runs in their half of the first inning by Chad Brown and Dirk Wales.

Continued on page 13



DAVID BEEMAN was the number one home run hitter in last Saturday's Farm League baseball tournament. He plays for the Orioles.

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ENDING EIGHT YEARS OF SERVICE: Joe Cesarz reached Chelsea Aquatic Club swimmers for that long but now plans to open a gym in Ann Arbor. Pat McVittie, representing club members, presented Cesarz with this plaque and a gift certificate.

Chelsea Connie Mack Team Wins Two, Regains Top Spot

Chelsea's Connie Mack baseball team regained first place in week-day play last week with a 3-2 win over Comerica of Ann Arbor and a 14-4 mercy win in Lincoln.

Chelsea trailed Comerica in the standings by 1/2 game going into the match-up, which took nine innings to decide.

Comerica took an early 2-0 lead in the game with single runs in each of the first two innings.

Chelsea rallied for one in the third inning as Matt Bohlender, Greg Lane and Greg Haist strung hits together.

Chelsea tied the score in the fifth inning as Jeff Stacey's clutch hit scored Jeff Harvey on second base.

The locals loaded the bases in the eighth inning but couldn't get a hit.

The winning run was scored on a error.

Haist pitched all nine innings for Chelsea, giving up just two hits while striking out 16.

"His only negative was that he walked nine batters," said coach Abel Marshall.

"But when the situation called

for it, Haist had the good stuff to put the fire out. It was just an excellent job of pitching. He really wanted this game."

Junior Morseau led Chelsea hitters with three singles. Haist and Lane had two singles each, and Brian Beard added another hit.

On Thursday, July 24, Chelsea mercied Lincoln in five innings.

Chelsea scored three times in the first inning and never trailed. Through three innings they had scored eight runs on 12 hits.

Haist nearly hit for the cycle, with a single, double and triple. Five other players had two hits.

Harvey smacked two homers, Bohlender doubled and singled, Lane tripled and doubled, Greg Beightson doubled twice and Stacey doubled and singled. In addition, Randy Ferry tripled, and Tim Anderson and Beard singled.

Over-all, Chelsea had 11 extra-base hits.

Lincoln scored one run in the third and three in the fifth, but Chelsea came right back in the bottom of the fifth with four more to complete the mercy.

Aquatic Club's 9th At Inter-Club Meet

Chelsea Aquatic Club ended its summer season with a ninth place over-all finish in the Washtenaw Inter-Club Swimming Championships.

Huron Valley won the meet for the 10th year in a row with 1,822 1/2 points. Chelsea finished behind Milan, Travis Pointe, Ann Arbor Country Club, Orchard Hills, Staquet Club, Chippewa and Perseus with 443 points. Georgetown, Barton Hills and Willow Run finished behind Chelsea.

Chelsea finished 10th in the 8-and-under boys; 12th in 8-and-under girls; 2nd in 9-10 boys; 11th in 9-10 girls; 12th in 11-12 boys; 5th in 11-12 girls; 6th in 13-14 boys; 11th in 13-14 girls; 9th in 15-16 boys; and 7th in 15-16 girls.

In the 8-and-under division, Steven Strub was the only scorer for the boys while Erin Beard was the lone girl scorer. Strub was 6th in the 25-yard backstroke and Beard was 12th in both the 25 and 50-yard freestyles.

The 9-10 boys were paced by Joe Cesarz, Dana Schumuk, Jason McVittie and Colby Skelton with a first place finish in the 100-yard medley relay. Matt Fischer, Bryndon Skelton, Chris Gibson and Kevin Lane took 9th in the same event.

Schumuk was 4th in both the 50 and 100-yard freestyles, and 7th in the 50-yard breaststroke.

Cesarz placed third in the 50-yard backstroke and 8th in the 100-yard individual medley.

McVittie was 4th in the 50-yard butterfly and 9th in the 100-yard individual medley.

Bryndon Skelton was 11th in the 100-yard individual medley and 12th in the 50-yard breaststroke.

Fischer was 8th in the 50-yard backstroke.

Cesarz, Gibson, Lane and Bryndon Skelton took 7th place in the 200-yard freestyle relay.

In the 11-12 girls division, the 200-yard medley relay team of Kathleen Wilson, Melissa Thiel, Kelly Crowe and Sara Nicola finished 4th. The 200-yard freestyle relay team of Thiel, Erica Beightson, Nicola and Crowe placed 6th.

Wilcox won the 50-yard freestyle and was 2nd in the 100-yard individual medley and the 50-yard backstroke.

Thiel was 10th in the 50-yard breaststroke and 12th in the 200-yard freestyle.

Crowe placed 5th in the 50-yard backstroke and 8th in the 50-yard freestyle.

Nicola placed 9th in the 100-yard individual medley and Beightson was 11th in the 50-yard fly.

Brett Paddeck, David Oesterle, Garth Girard and Brian Brock swam to a 5th place in the 200-yard medley relay and 8th place in the 200-yard freestyle relay.

Paddeck was 6th in the 50-yard backstroke, Girard was 6th in the 200-yard freestyle, and Oesterle was 8th in the 50-yard breaststroke.

Kevin Brock placed 6th in the 50-yard butterfly and 9th in the 200-yard individual medley in the 15-16 age group.

Darren Girard was 12th in the 200-yard individual medley and Terry Draper was 10th in the 50-yard breaststroke.

Howard Muehl joined Brock, Girard and Draper for a 7th place finish in the 200-yard freestyle relay.

In the 13-16 girls, Susan Schumuk took 2nd place in the 50-yard freestyle, 3rd in the 50-yard breaststroke, and 4th in the 200-yard freestyle.

Sharon Colombo was 11th in the 50-yard backstroke.

Other participants in the meet

were David Mote, Steven Thiel, Paul Monti, Garth Hammer, Rourke Skelton, Curtis Street, Nick Woods, Jake Hurst, Christina Gibson, Carrie Buse, Vicki Lane, Jackie Setta, Jeanne Moulleaux, Jenny Sakakura, Genny Hummery, Brandi Berg, Jennifer Kapp, Tracy Dufek, Jessica Bitter, David Brock, Adam Bragg, Brian Dufek, Beay Schumuk, Erica Street, Lesley Berg, Lori Ritter, Regina Craft, Shanna Woods, Steven Brock, Mark Kemmer, Krista Selektem, Sandy Schmid, Monica Hansen, Jennifer Kach and Karen Gras.

Skelton Sets Swim Record

Ten-year-old Colby Skelton set a league record at the Washtenaw Inter-Club Swimming Championships last week.

Skelton set the mark in the 50-yard breaststroke with a time of :37.19. The previous record of :37.56 was set in 1982.

Skelton also won the freestyle leg of the first place 100-yard medley relay. Joe Cesarz (backstroke), Dana Schumuk (breaststroke), Jason McVittie (butterfly), and Skelton swam the event in 1:46.9, beating second place Huron Valley by .81 seconds.

"This was an exciting meet," said coach Dave Brinklow.

"Those four boys just decided they weren't going to get beat. Jason swam the butterfly leg like I've never seen him swim before. They all had fantastic swims."

The only other first place finish for Chelsea was Kathleen Wilcox in the 11-12 division. She won the 50-yard freestyle in :27.97. She was second in her other two individual events, and the backstroke on the fourth place 200-yard medley relay.

The only varsity position yet to be filled is for boys track. Bill Wehrwein resigned the position this summer. Athletic Director Larry Reed said he hopes to find someone already employed by the school system to fill the spot.

Another open position is assistant junior varsity football coach. Reed says he has his eye on a former Chelsea High school athlete for the position. However, nothing has been firmed up.

Reed also has to find someone to take Ted Hendricks' place as freshman baseball coach. Hendricks has decided to concentrate on JV basketball this year.

Several positions have already been filled. Bert Kruse has been hired as an assistant to varsity girls track coach Bill Baunton. Kruse has helped out with the track program for a number of years, but this is the first time an official assistant's position has been established. That means he'll be paid for his time rather than donating it. The position was created in the latest school contract.

At Beach Middle school, Dave Brinklow will take over as swimming coach.

Mike Wade, the son of former Chelsea high teacher Pat Wade, will take the reins from Pat Clarke as wrestling coach. Wade

Coaching Changes Made in Schools

A number of coaching changes have been made as Chelsea High school prepares for the beginning of its 1988-89 school year.

The only varsity position yet to be filled is for boys track. Bill Wehrwein resigned the position this summer. Athletic Director Larry Reed said he hopes to find someone already employed by the school system to fill the spot.

Another open position is assistant junior varsity football coach. Reed says he has his eye on a former Chelsea High school athlete for the position. However, nothing has been firmed up.

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At Beach Middle school, Dave Brinklow will take over as swimming coach.

Mike Wade, the son of former Chelsea high teacher Pat Wade, will take the reins from Pat Clarke as wrestling coach. Wade

will also be an assistant junior high football coach.

Charlie Walker will become the new seventh grade boys basketball coach.

There have been several changes in the cheerleader coaching ranks as well. Helen Barreis will still coach the varsity girls. However, Maureen Bohl, who coached the freshmen cheerleaders last year, will take over as junior varsity coach. Sue Starkey, who coached last year, resigned the position.

The new freshman cheerleading coach will be Beth Flaska.

Fall sports practices officially begin Monday, Aug. 11.

A work-disabled person is defined as one under age 65 who has a physical or mental condition that prevents her or him from working or limits the amount of work that can be done, or who is retired because of ill health, according to a fact sheet on working women published by the Women's Bureau of the U. S. Department of Labor.

The Chelsea Standard Wednesday, July 30, 1988

SPORTS NOTES

BY BRIAN HAMILTON



A couple of weeks ago, a woman wrote complaining about what I had said about the Fourth of July mud bog at the Chelsea fairgrounds.

Although she didn't change my mind about mud bogs, she did make an interesting point.

She said that a guy who intentionally chooses to drive a truck as fast as he can into a pit of mud is no dumber than another guy who intentionally fun to chase a ball around a field.

It's a point well taken. Most sports seem pretty sane when you take a close look at what goes on.

Take football for instance. Even though I played offensive guard (admittedly, very poorly) in high school for a couple of years, I still can't understand why anyone would really want to be a lineman. All you do is get battered and bruised one week and go right back out the next week and do it again, but not before getting beat up in practice during the week. It doesn't matter all that much how good you are at it, you still get beat up. It just hurts a little less when you think the guy on the other side of the line hurts more than you do.

And after every game, you get to watch yourself getting beat up on videotape, which must bring back some painful memories. I can think of more pleasant ways to live.

Hundreds of linemen tear up arguments in their knees every year. Others break limbs, get their teeth knocked out, sprain ankles, and get their eyes gouged. Yet even those threats don't deter most linemen. Stranger is that some linemen feel some sort of perverse pride when they continue to play with an injury.

Maybe it's as John Cawgar Mellenkamp wrote. "It hurts so you're not To someone who isn't a football fan, though, it probably seems like the guy is missing a few bottles from the wine cellar."

Nobody gets beat up in a mud bog that I can tell, at least in the competition. I suppose it's possible to drown, but not very often. Mud bogs probably have too much sense to play with painkillers. It's too much to push in the church, what fun is it?

Trying to hit a ball with a club, and failing at it more often than not, seems like a pretty useless thing to spend time doing. Too few people, including yours truly, go crazy for baseball every summer. (I'm a respected sports analyst think it's the most perfect sport ever invented. But baseball is simply one guy trying to hit the ball and the other team trying to stop him. The rest is embellishment.)

To some, that's only a little more complex than driving a ball through into black mud.

There are many more examples. But what it all comes down to is we'll compete at anything, no matter how stupid or life-threatening, because we can enjoy bowling or a marathon or boxing, or shot putting or a mud bog, for that matter.

It's even more fun if you're part of a team and you can keep reminding each other just how much fun you're having doing stupid things together. And you can re-inforce how important it is to do them better than the other guys. How it builds character and turns boys into corporate presidents.

Team mud bogging, anyone?

When you read the results of youth baseball and softball games in this newspaper, it's pretty easy to figure out which are the boys' teams and which are the girls' teams without reading a single player's name.

Would any self-respecting boys' team name itself the Pink Elephants? Or my favorite, the Green M&M's (everyone knows the green ones are best)? Probably not, but I wish they would.

The boys, or maybe their coaches, don't seem to put a premium on imagination when it comes to selecting team names.

Tigers, Cubs, Angels, Bulldogs, Panthers, Ravens, Braves, everywhere.

But how about Blue Racers, Blue Bombers (sounds more like a water Derby), Queens (now THAT would be a great name for a softball team. Pat Davis, Brady Bunch and Golden Girls, too much TV, and Red Hot Chili one Giants or Dodgers among them).

I have a theory about all this. My theory is that boys and their coaches view summer ball as business as usual. Like going to school, it's expected of them. Girls see it as more of an experience. It's the beginning to the end. Naming the team is part of that experience.

And, from what little I've seen of the leagues, the girls seem to enjoy themselves more, perhaps because less is expected of them, they feel freer to experiment. They worry less about what people will think if they don't follow tradition.

Perhaps the rec department ought to sponsor an annual pre-season contest to see which team can come up with the most original name. Might as well get the kids to use their brains, too. That's permissible even though school's not in session.

My all-time favorite name belonged to a softball team I played against last year—Neil's Base Desires. That might not go over with the Junior Miss League, though.

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AUG. 8-9-10

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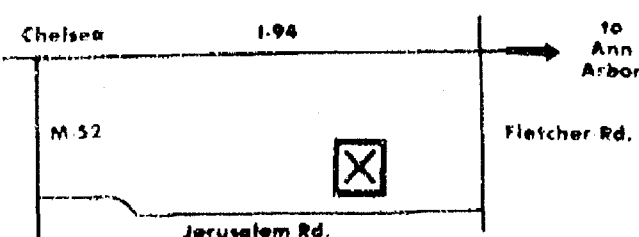
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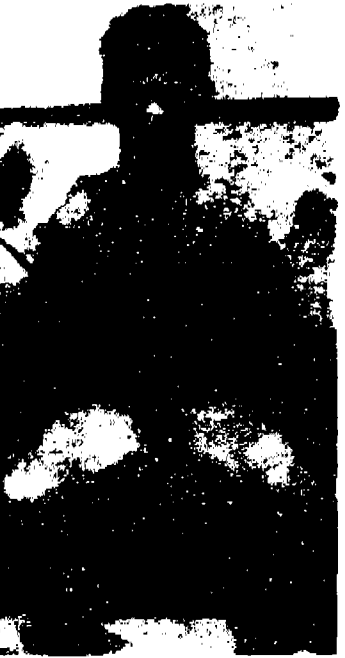
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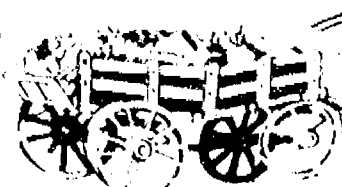
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AN EXPERT SHOOTER, and former Chelsea Rod & Gun Club. He has his shells reloaded paratrooper, is Tim Franklin, a director of the club. He has his shells reloaded at 5,000 a time.

Trap Shooting Enjoyed at Chelsea Rod & Gun Club

For 50 years members of the Chelsea Rod and Gun Club have probably demolished a million of more clay pigeons as they winged their ways over the shotgun target range.

Modern trap shooting is a prime method for training and practice in the shooting of game birds, but trap shooting is also a favorite form of competition.

Trap shooting originated in England during the early years of

the 18th century. At that time, live pigeons were released, on command, to be shot down or escape into the wild. As time went by, live pigeons were replaced with "pigeons" made of

clay. They were flying discs four and a half inches in diameter and weighing three and a half ounces. They had the smooth aerodynamics of our modern "frisbees."

The first clay pigeons hurled at the Chelsea Rod and Gun Club were thrown with hand held, spring actuated devices.

Trap shooting, as practiced at the Chelsea Rod and Gun Club, is shown in the pictures accompanying this article. Other outdoor sports at the Chelsea Rod and Gun Club include pistol and rifle shooting, archery and the year long enjoyment of game fishing.



TRAP SHOOTING at the Chelsea Rod & Gun Club. The range is located on Lingane Rd. after each round of 25 shots. The range is located on Lingane Rd. after each round of 25 shots. The range is located on Lingane Rd. after each round of 25 shots.



MACHINE that flings the clay targets is a heavily shielded shelter below and ahead of the gun position. Jim Mooney loads the machine but it is electrically fired from above at the command "Fire!"

Adult Softball

The following are results of games in both men's and women's slow pitch recreation leagues in Chelsea. Games are from the week of July 21.

WOMEN

Jerry's Shell, 17.

Gemini, 4—

Mark Klink was the winning pitcher. Rhonda Allen hit a double for two RBIs and added a grand slam later in the game.

Jiffy Mix, 14.

Big Boy, 13—

Lill Matties was the winning pitcher. Nora Morseau hit a three-run homer. Linda House hit a home run and Harriet Hamilton doubled. House's home run was the game winner.

Jerry's Shell, 11.

C.A.T.S., 1—

Mary Klink was the winning pitcher. Tracy Taylor had two hits and three RBIs for Jerry's. Linda Topping had two hits and one RBI. Tonya Corser was 2-2 with an RBI, and Yvonne Burrison hit a triple for an RBI. Lisa Fletcher played an errorless defensive game at third base with five assists.

Gemini, 12, C.A.T.S., 10—

Jean Weitzon was the winning pitcher. Shelly Weber and Kathy Walsh each went 3-4 for Gemini. Sue Nix, Shelly Weber, Sarah Haz, Barbey Wilson, Jean Weitzon, Jamie Seyfried and Theresa Broderick each had two hits. Wilson, Weber, Nix and Broderick were defensive stand-outs.

Jerry's Shell, 16.

Big Boy, 6—

Bonnie Carr was the winning pitcher for Jerry's Shell. Jo Jo Kitley led Jerry's in hitting with a 3-3 performance, including two home runs and four RBIs. Charlene U'Ren hit a solid double for the game winning RBIs.

Chelsea State Bank, 24.

McDonald's, 6—

Shelly Weber was the winning pitcher and had two hits. Patti Hume had three hits for three runs; Anne Weber had two hits for four runs; Beth Unterbrink had three hits including a home run; Julie Koch had three hits and Jennifer Guenther had four hits.

BookCrafters, 15.

Citizen's Trust, 6—

Melissa Bellus and Sandy Poe combined on the mound for the win. Linda Rivers hit a home run and two singles; Linda Landrum hit a double and a triple; Dawn Williams hit two doubles; Darla Rowe hit three singles; and Dee Salyer hit a single and a double.

Jiffy Mix, 10, Big Boy, 1—

Lill Matties was the winning pitcher. Ruby Sowards and Sara Ousley were each 3-3 for Jiffy. Sowards also made a fine catch at third base.

MEN

Spartan's Bar, 15.

Chelsea Industries II, 9—

Norm Lampe was the winning pitcher. For Spartan's, Rich Bobs was 4-4 with two home runs, and Lampe, Tim Stacey and Mark Wisely were each 2-4. Al Knight made several outstanding plays in left center.

Broderick Shell, 13.

Stockbridge Merchants, 1—

Dave Moody was the winning pitcher. Don Moody was 3-4 and Don Elliott and Ernie Hadley were each 2-4. Broderick turned two double plays.

A.A.W., 14, Hansen & Sons, 6—

Jeff Mead was the winning pitcher.

A.A.W., 9, Wolverine, 3—

Jiffy Mix, 16, NAPA, 1—

Leading Jiffy hitters were Scott Dault, Chuck Elkins (home run), Kevin Walt, George Roberts and Sam Coomes.

Hansen & Sons, 5, NAPA, 1—

Randy Risner was the winning pitcher. For Hansen, Mike Hieber was 2-2, and Rick Beeman and Bob Beeman were each 2-3. Dale Poertner had an unassisted double play.

Klink/Dault, 14, Wolverine, 6—

Rick Foytik was the winning pitcher. Phil Klink, Ray Arneel and Dave Gause each hit home runs. Mike Wahl hit two triples in pacing Klink/Dault.

Broderick Shell, 12.

Jiffy Mix, 6—

Ron Schuyler was the winning pitcher. Don "The Hammer" Moody went 4-4, and Chuck Broderick was 3-4. Shell turned three double plays. The game was dedicated to Jeffery Robert Elliot, who was born July 20.

BookCrafters, 7.

Cavanaugh Lake Clams, 4—

Mark Schwab was the winning pitcher. Rick Furman was 3-3. Schwab was 3-4 and Tim Hampton, Randy Logan and Tim Turton were each 2-3.

Stockbridge Merchants, 12.

Chelsea Industries II, 1—

Jimmy Hughes and Todd Salyers were each 4-4.

Summers Aces Lakeland 8th

Cal Summers, Jr. recorded the first hole-in-one of his career last week-end when he aced the 151-yard number eight hole at Lakeland Hills Golf Course.

Summers used a three wood to drive the ball over the pond that lies in front of the green.

Summers was playing with Howard and Rick Frinkle of Stockbridge, Mark Ramalia, and his son, Cal Summers, III.

T-BALL RESULTS

The following are results from t-ball games played in the Chelsea recreation league the week of July 21.

Sox, 15, Eagles, 15—

Sox had outstanding plays by Steven Thiel, Matt Damm, Trevor Kipmiller and Jason Sprawls. Brian Jankovich, Leslie Parker and Chaise Hunt were home-run-hitters for the Eagles. Beth Flinoff caught a pop up.

Tigers, 24, Giants, 23—

Ashley Coy hit two home runs for the Tigers. Kevin Cross singled in two runs. Jeff Hughes had an RBI and Scott Boughton had three RBIs. Cross, Boughton, Coy all played good defense. For the Giants, Lance Chung, Mariah Cherum, Jamie Bauer, Scott Kiel and Tommy Hewitt were the leading hitters. Jake Bell, Bekah Knight, Derek Albers and Adam Erskine were the top defenders.

Buildogs, 29, Cubs, 4—

Dan Johnson homered and Anthony Franklin tripled. Cory Dixon, Adam Daniels, Chris Hatch and Ben Potocki also hit well. Garth Hammer, John Beeman, Nathan Clark and Sarah Pruess led the defense.

Buildogs, 17, Giants, 6—

Leading Bulldog hitters were Ben Potocki, Adam Daniels, Cory Dixon, Deacon Holton, John Beeman, Nathan Clark and Kase Ruhlman. Dan Johnson, Garth Hammer, Dusty White, Chris Hatch, Wayne Newman and Sarah Pruess all played good defense.

Rangers, 28, Eagles, 22—

Tim Lawrence tripled and Mike Clark and Benjamin Meza doubled for the Rangers. Joey Barkman, Jennifer Gentner and Kim Niehaus also hit well.

Rangers, 35, Dolphins, 27—

Good hitting by Bobby Armstrong, Todd Pearsall, and Tim Lawrence while Anthony Meza, Mike Clark and Jennifer Gentner played good defense for the Rangers.

Tigers, 17, Sox, 16—

Leading hitters for the Tigers were Kristy Cox, Jeff Hughes, Scott Boughton, Steve Walt and Neil Hubert. Steven Thiel and Trevor Kipmiller turned a double play for the Sox.

Cubs, 28, Dolphins, 19—

Leading hitters for the Cubs were Don Keilly and Joshua Aspiranti with home runs, Jason Middleton, Rusty Blackwell and Cindy Richards with singles, and Jake Hurst, Brian Keilly and Billy Honke with doubles. Thomas Holdsworth knocked in a run.

PONY LEAGUE RESULTS

The following are results from Pony League baseball games played in the Chelsea recreation league the week of July 21.

STANDINGS

(As of July 24)

	W	L	T
Mets	7	1	1
Orioles	4	4	2
Tigers	4	6	0
Cubs	3	7	0

Cubs & Tigers 2—

Leading hitters for the Cubs were Aaron Seymour, Jeremy MacKinder and Kyle Erickson. Playing well for the Tigers were Tom White, Rob Chen and Paul Wade, Jr.

Orioles 12, Mets 2—

Pressing the ball for the Orioles were Aaron Tisser, Neil Klink and John Wolaborg. Mets were led by Jeff Shamp, Brad Mitchell and Adam Tillman.

LITTLE LEAGUE RESULTS

The following are results from Little League games played in the Chelsea recreation league the week of July 21.

STANDINGS

(As of July 24)

	W	L	T
Dodgers	7	1	0
Yankees	7	2	0
Reds	6	0	0
Tigers	4	4	1
Padres	2	8	0
Royals	1	8	0

Tigers & Padres 4—

Top players for the Tigers were Ian Dyer, Sean Gradford, and David Setz. For the Padres, Matt Gaken, J. D. Alford and Matt Jackalke played well.

Reds 12, Yankees 6—

For the Reds, Scott Beard, Dana Schmunk and Nathan Talbot played well. For the Yankees, top hitters were Steve Harness, Jason McVittie, and Scott Peterson.

Dodgers 18, Royals 3—

Kevin McAlain, Jason Johnson and Cory Weid pounded the ball for the Dodgers. For the Royals, good plays were made by Jeremy Beauchamp, Mike Trepere and Andrew Parker.

In 1981, the average disabled woman was not employed, nor was she looking for work, and her total 1980 annual income was less than \$3,500. The average age for a work-disabled woman was 51; for a nondisabled woman it was 33, according to a fact sheet on working women published by the Women's Bureau of the U.S. Department of Labor.

CLUB MEMBER JIM MOONEY prepares to empty one box of trap targets and open another for a morning's shoot at the club on Lingane Rd.



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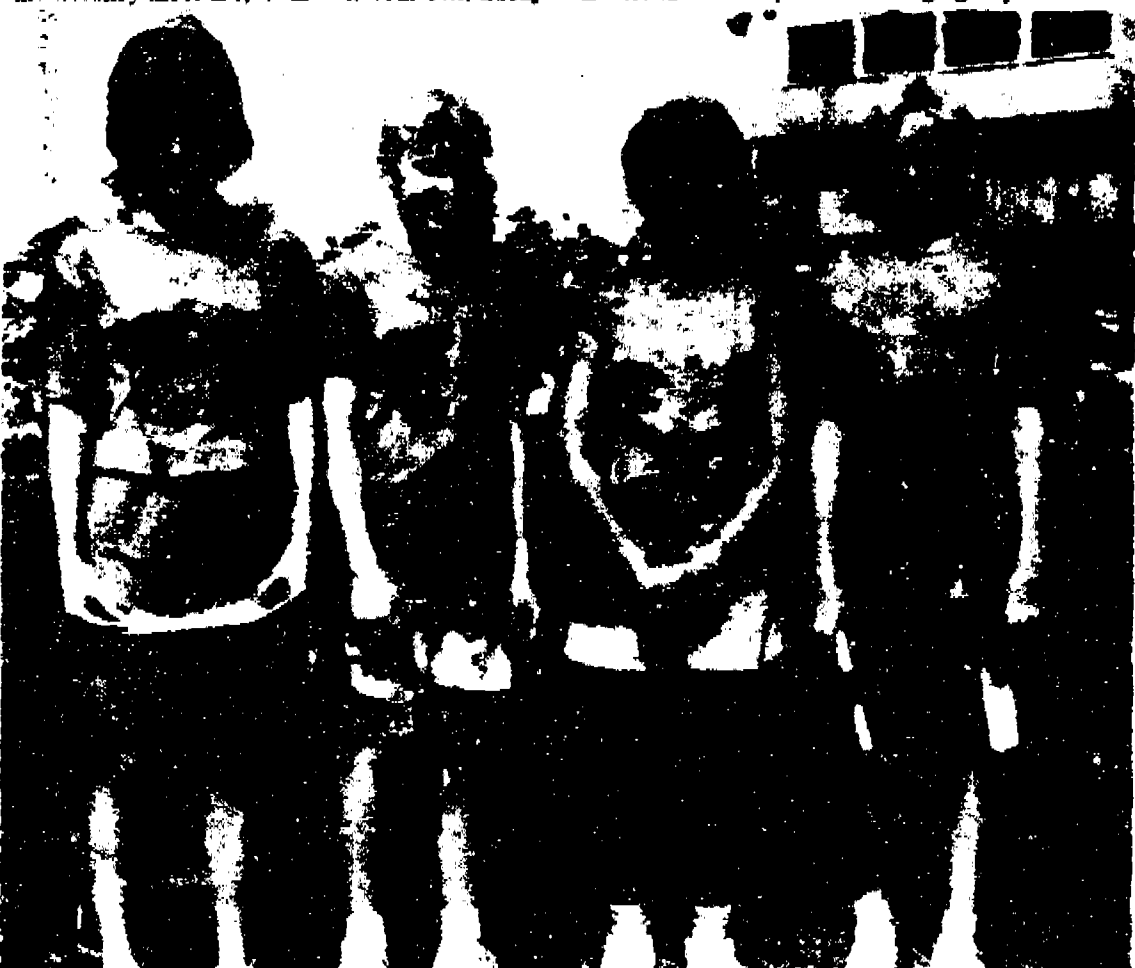
McAuley Health Plan is a non-profit Health Maintenance Organization affiliated with Catherine McAuley Health Center.



DAN PETTY captured eighth place in the finals of the 400-meter dash. He's standing over the number 2 on the winner's platform at the Hershey Track & Field State Meet.



SHOWING OFF their seventh place ribbons at the Hershey meet are, from left, Beth Bell, Becky Hubert, Tracy Haas and Betsy Schunk, who ran the 400-meter relay in the 9-10 age group.



THESE GIRLS TOOK THIRD PLACE in the 11-12, 400-meter relay at the Hershey meet July 19. From left are Heather McConeghy, Amy Weir, Angie Pace and Erica Boughton.



SCHARME PETTY, standing over the number 4, waits on the winners platform after taking fourth place in the 13-14 softball throw. The scene was the Hershey Track and Field State Meet in Lansing July 19.



RIK HENSON, the Chelsea champion in the long jump, gets set for his second try.



BECKY HUBERT gets ready to make the bases pass to Beth Bell in the 9-10, 400-meter relay at the Hershey Track & Field State Meet in Lansing. A large Chelsea contingent took part in the meet.



A SEVENTH PLACE FINISH in the 13-14, 400-meter relay had these girls in high spirits. From left are Anne Steffenson, Christine Burg, Sheila Haas and Jeanine Rossi.

Standard Want Ads Get Quick Results!



LUCKY BEEMAN gets a well-earned handshake from one of the judges for placing seventh in the softball throw at the Hershey Track & Field State Meet July 19.



DAVE BEEMAN shows off his form in the softball throw, where he finished second in the 9-10 group with a toss of 120 feet.

Hershey Meet Draws Chelsea Boys and Girls

A big group of Chelsea boys and girls took part in the Hershey Track & Field State Meet in Lansing July 19.

The youngsters qualified for the meet based on their performance at the local Hershey meet held at Chelsea High school earlier this summer.

Chelsea athletes who placed in the meet are listed below.

David Beeman finished second in the 9-10 softball throw, and his brother, Lucky, took seventh place in the 13-14 softball throw.

Jeanine Rossi placed eighth in the 100-meter dash.

Scharme Petty took fourth place in the 13-14 softball throw.

Dan Petty was eighth in the 400-meter run.

Vicki Bullock finished 10th in the 800-meter run.

Holden Harris was fifth in the

1600-meter run.

Girls 9-10, 400-meter relay team of Becky Hubert, Beth Bell, Betsy Schunk and Tracy Haas finished in seventh place.

Girls 11-12, 400-meter relay team of Amy Weir, Angie Pace, Erica Boughton and Heather McConeghy took third place.

Girls 13-14, 400-meter relay team of Jeanine Rossi, Sheila Haas, Christi Burg and Anne Steffenson finished in seventh place.

Jeff Evison finished ninth in the 100-meter dash.

Boys 9-10 400-meter relay team of Evison, Nathan MacKinder, Matt Powell and Adam Waring were in second place after three hand-offs. However, the baton was knocked from the anchorman's hand, also knocking the team out of the race.

FARM LEAGUE RESULTS

The following are results from Farm League baseball games played the week of July 21 in the Chelsea recreation league.

Cubs, 11, Dolphins, 5—

Tim Stecker and David Pieske were leading hitters for the Cubs. Cubs had good defense from Jon Clark and Dan Watson. For the Dolphins, Scott Colvin hit two home runs, and Kevin Coy and Bobby Coon each hit well. Jeff Pearsall and Koby Foytik led the Dolphin defense.

Angels, 12, Clippers, 11—

Angels scored five runs in the last inning. Angels had key hits by Ryan Ludwig, Eric Bergman, Evan Knott, Kent Young, Willie Hewitt, Tom Barkman and Jason Hakken to spark the rally. Kent Young also made a double play to set up the comeback. Clippers had good hitting by Brian Atlee and Jeff Branch, and fine fielding by Ben Rodenkirch and Jason Brown.

Wildcats, 7, Tigers, 4—

David Payton, Mark Hand and Jeremy Muha hit well for the Wildcats, while Chad Brown, Nathan Young, Muha and Craig Leonard were top Wildcat defenders. For the Tigers, Steve Straub, Nick Brink and Josh Inwood were leading hitters. Jeff Montange led the Tiger offense.

Orioles, 14, Indians, 3—

Drew Kyte, Bryndon Skelton and David Beeman each hit home runs for the Orioles. Jesse Hammett, K. C. Harr and Curt Carpenter scored runs for the Indians. Oriole defenders were led by Jason Rusner, Ryan Guenther, Raymond Hatch, and Dornon McLaughlin. Jamie Polent of the Orioles snagged a line drive, which tore his glove off, but he recovered and threw the runner out. Danny Wehrwein and Matt Cabanuss turned a double play for the Indians.

Cubs, 9, Clippers, 8—

Jason Rosentreter hit a home run for the Cubs. Nick Kramer and David Pieske also hit well for the Cubs. Ben Rodenkirch and Tom Erwin led the Clipper attack. Defensively, Phil Steele and Dan Watson played well for the Cubs, while Jordan Dyer and Brian Atlee stood out for the Clippers.

Indians, 13, Angels, 7—

Leading hitters for the Indians were K. C. Harr with three RBIs, and Justin Strong, Jesse Hammett and Calvin Poe each had two RBIs. Matt Cabanuss, Doug Martell, Jeff Landrum and Jeremy Martzoff each knocked in a run. Matt Martin made a fine tag at the plate to take away a home run. Calvin Poe hit a two-run home run. Hammett made a good running catch.

Dolphins, 16, Wildcats, 12—

The Dolphins had great hitting with four home runs, including two by Kevin Coy, and one each by Scott Colvin and Matt Fischer.

Other key hits were by Tom Payne, Koby Foytik, and Jeremy Feldkamp. Defense was led by Casey McCalla, Jeff Pearsall and Casey Wescott. Wildcat hitters were led by David Payton with a home run, Matt DeLong, Adam Bragg, and Cameron Farmer. Dirk Wailes and Craig Leonard led the defense.

Orioles, 13, Tigers, 3—

David Beeman hit a grand slam for the Orioles. Gerrick Baize, Brandon Miller, Jason Rusner, Keith Rowe also hit well. Leading hitters for the Tigers were Josh Bernhardt, Josh Inwood and Jeff Montange. Leading Oriole defenders were Bryndon Skelton and Raymond Hatch. Ryan Dunlap, Rick Brink and Nathan Hulet paced the Tiger defense.

Hawker Ranks 13th Nationally With 0.56 ERA

Kelly Hawker, a freshman pitcher on the Wayne State University softball team this spring, finished 13th in the country in earned run average in the recently-released NCAA Division II national softball statistics.

Hawker, a former Chelsea High school standout, finished with a 0.56 ERA in 178 innings. She pitched in 77 games, allowed 14 earned runs and 91 runs total.

Hawker, who finished with a 15-11 record, also set a new school single season record for strikeouts with 148, the first player ever to record more than 100. Hawker finished in the top 20 in strikeouts in NCAA-II with a 5.5 per game average.

Hawker finished with a 0.48 ERA in 133 IAC conference play, second in the league only to team-mate Cheryl Spiegel.

Farm Tourney

(Continued from page ten)

Eric Lefurge made all three outs unassisted to stop the Wildcats. The Indians scored three runs in the bottom of the first inning as Kevin Hafner, Sam Morseau and Calvin Poe scored. Matt Cabanuss bunted home the third run. Wildcats scored two more in the second to lead by one run. Dan Wehrwein and Justin Strong scored one run each for the Indians in the bottom of the second to take the lead for good. The game was finally called due to darkness.

The head umpire for the tournament was Larry Nix. Larry Nix, Jr., Junior Morseau and Jeff Patterson helped out with the umpiring.

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Midget League Results

The following are results of Midget League softball games played in the Chelsea recreation league the week of July 14.

STANDINGS (As of July 24)	W	L	T
Rhonda's Rowdies	7	2	0
Golden Girls	6	2	0
Blue Racers	6	2	0
Blue Sluggers	5	3	0
Brady Bunch	2	5	1
Red Hots	2	6	0
Orange Sluggers	0	6	1

Rhonda's Rowdies 15, Blue Sluggers 12—

Excellent defensive play by both teams. The Rowdies racked up several singles, a triple by Shannon Allen and a home run by Julie Allen. Alison Myers did a fine job as catcher.

Brady Bunch 20, Orange Sluggers 11—

Good defense and several key hits helped the Bunch. Michelle Hibran caught a pop-up and turned a double play. Hitting well for the team were Courtney Stewart and Shannon Williams with singles, and Penny Wilson and Hibran had doubles. Kelley Wright and Jodi Baldwin tripled. Top hitters for the Sluggers were Cindy Tripp, Amy Petty, Jessica Holton, and Melinda Haffley with doubles. Annie Terpstra hit three doubles and Haffley whacked a triple.

Blue Racers 15, Red Hots 10—

Defense was strong for the Racers. Katie Nell converted a double play and Robin Gillen made an outstanding catch on a fly ball. Top hitters for the Racers were Susie Steele, with a single, Meagan Robison with a double, and Neil, who tripled and homered. Jennifer Ceccacci and

Chrissy Vargo showed good defensive play throughout the game. Julie Gray-Lion hit a home run for the Red Hots.

Rhonda's Rowdies 25, Golden Girls 11—

Every Rowdie had a least one hit. Melissa Clark had two triples and a home run, and Julie Allen had a triple and two home runs. Terry Turner and Julie Allen played excellent defense, catching two pop flies. The Girls played well defensively with fly ball catches by Shauna Woods, Anne Frederick and Danielle Longe. Playing well for the Girls were Kathy Kattula, Sarah Burkel, Melissa Hand and Michelle Mast.

Blue Sluggers 27, Orange Sluggers 17—

Two home runs by Jenni Thrush and one by Casey White led the Blue team. There were excellent defensive plays by Joni Thrush and Anne Armstrong. Key hits by Melissa Smith aided the win. Annie Terpstra had a solid double for the Orange team, while Amy Petty and Cindy Tripp hit singles. Val Bullock converted two double plays.

Red Hots 12, Brady Bunch 6—

Hitting well for the Red hots were Jennifer Ceccacci, Elizabeth Holdsworth and Romano Gray-Lion with doubles. Kristy Lacro went 4-4 and scored four runs. Myra Musolf made an outstanding catch. Ceccacci and Chrissy Vargo converted a game-ending double play. Leading hitters for the Bunch were Jamie Zick, Shannon Williams, Amanda Noble and Heather Justus, who doubled. Playing well defensively were Courtney Stewart and Amanda Noble.

Blue Bombers 32, Stockbridge Panthers 14—

Sara Musolf struck out four of seven batters she faced. Cari Thurkow had a three-run homer. Key hits were contributed by Brooke Pitts, Sandy Schmid, Sarah Franklin, Stacy Gallagher, Jill Heim, Brenda Brede, Michelle Stimpson, Jennifer McEachern. Musolf doubled.

Pink Edition 15, Green M&Ms 14—

M&Ms fought back in the last inning. Leading hitters for the M&Ms were Shawn Losey, Jennifer Koch, Melissa Thiel and Kristin Bohlender with singles and Danielle Taylor and Alice Durham with doubles. Losey and Bohlender had a nice play at the plate.

Red Devils 21, Stockbridge Panthers 12—

Erica Thery was the spark for the Devils with two hits, two runs scored, and two unassisted outs at second base. Heather McConaghy had a double and Liz Sager, Getchen Knutsen and Erica Boughton contributed timely hits.

Queens 15, Pink Edition 8—

Queens played well defensively. Stephanie Norris pitched a strong game for the Pink team. Chris Berg, Lissa Hamrick and Sara Musolf fielded well for the Edition. Leading hitters were Berg, with two, Amy Mitchell, Cari Thurkow, Norris and Hamrick. Musolf also homered.



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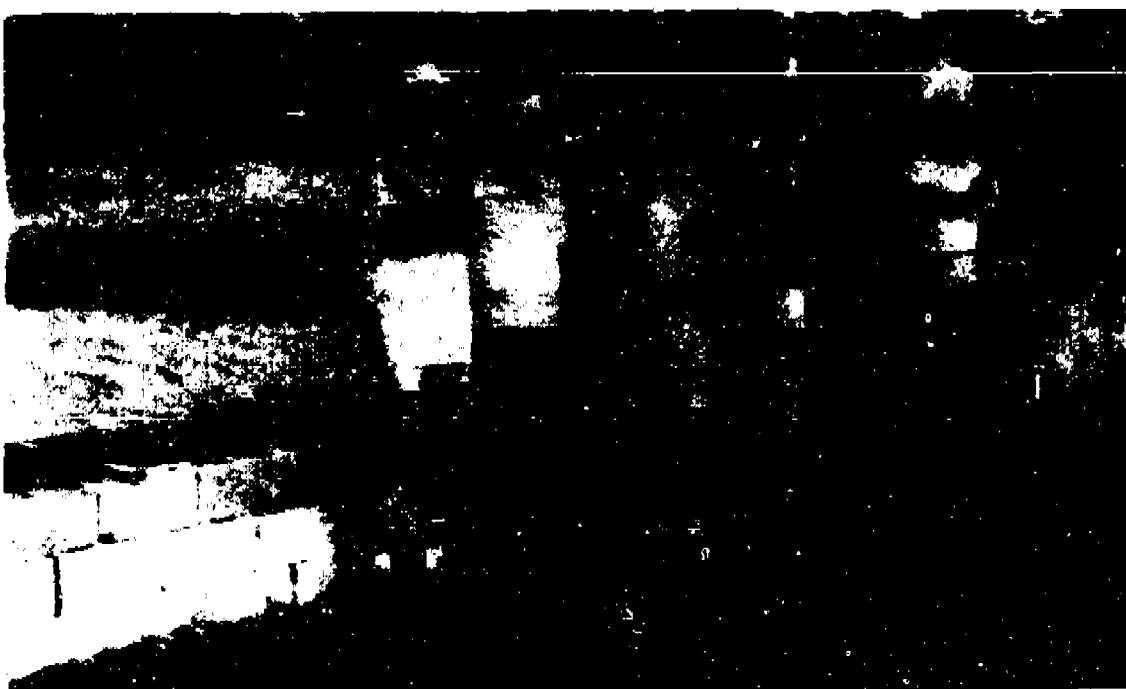
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CELEBRATING THE 150th ANNIVERSARY of North Lake United Methodist church, many of the church members joined its pastor, the Rev. Sandra Willabee, at the 8th annual Chicken Barbecue and Corn Feast on the church grounds located along North Territorial Rd., Saturday, July 26. From left, members sat in the

front row of 150 years ago are Jack and Ginny Parisho, Diane Tandy, Doris Lindsay, Doris and Carl Newman. As the membership continues with the sesquicentennial celebration throughout 1986, they will have a special Sunday event during September.



WITHOUT REVEALING HIS SECRET ingredients, chief cook Norm Colby is shown at far right helping Scott Lindsay shake down the metal grill before the entire grilling crew began to barbecue the chickens at the North Lake Chicken Barbecue and Corn Feast, held Saturday, July 26, at the church grounds on North Territorial Rd. Others working at the pits were, from left, Neil

Ernst, John Parisho and Bob Lindsay. Only pure butter seasoned with Colby's special mixture was used to brush the chickens. The first chickens were placed on the grill at 2 p.m. and serving began at 4 p.m. and continued until 8 p.m. The annual event was particularly significant during 1986, the year in which North Lake United Methodist church celebrated its sesquicentennial year.



DRESSED IN TOGS WORN 150 YEARS AGO, this group of people spearheaded activities on the grounds at North Lake United Methodist church, Saturday, July 26, when the church celebrated its sesquicentennial year. Established on North Territorial Rd. in 1836, the church itself is a historic country structure reminiscent of years past. From right to left, the front row includes Jack Parisho, Ginny Parisho, Carl Newman, Doris Newman and Stormy Smith. Standing behind them, from left, are two ladies of the kitchen committee wearing their caps, Doris Lindsay and Diane Tandy, and the pastor at North Lake, the Rev. Sandra Willabee. A total of 450 dinners were served, about a third of them to take-out. The menu included chicken brushed with seasoned butter using chief cook Norm Colby's special ingredients and played over open, outdoor pits; beans, all of them baked by Ginny Parisho; home-made rolls which four of the church ladies baked a few days before the feast, then heated on Sunday before spreading them with butter. Cole slaw and corn on the cob completed the menu. The Parishes and the Newmans co-chaired the event as they have for several years.

SIDEWALK DAYS

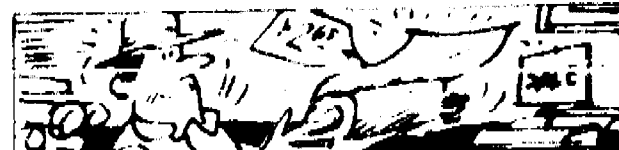
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Fire Department Runs Decrease

Chelsea Fire Department made 24 runs in June, 15 fewer than in June of 1985, according to the department's monthly report submitted by Chief Bud Harker.

Sylvan township had the most runs with nine, followed by the Village of Chelsea with six. Lima township had four runs, and Lyndon and Sharon each had two. Dexter township had one.

Personal injury calls accounted for the greatest number of calls, 10. There were seven medical emergencies and three calls for down electrical wires. Two automobile fires, a grass fire and a building fire accounted for the other runs.

A total of 228.5 manhours were spent.

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Church Services

Assembly of God—
FIRST ASSEMBLY OF GOD
The Rev. Phil Farnsworth, Pastor
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Worship service and Sunday
school assembly for pre-schoolers
6:00 p.m.—Evening worship
Every Wednesday
7:00 p.m.—Christ's Antislavery Bible
Study and prayer

Baptist—
GREGORY BAPTIST
The Rev. W. Truman Cochran, Pastor
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Morning worship
6:00 p.m.—Young people
7:00 p.m.—Evening worship
Every Wednesday
7:00 p.m.—Youth group

Fellowship Baptist—
The Rev. Larry Motte,
The Rev. Ray Harrison, Pastors
Every Sunday
9:00 a.m.—Worship service at the
Fellowship Hall

Episcopal—
ST. MARY
The Rev. Fr. David Philip Dupuis, Pastor
Every Sunday
7:00 a.m.—Mass
8:00 a.m.—Mass
9:00 a.m.—Mass
Every Wednesday
12:00 p.m.—1:00 p.m.—Confessions
6:00 p.m.—Mass

Christian Scientist—
FIRST CHURCH OF CHRIST SCIENTIST
1500 Westwood Ave., Ann Arbor
Every Sunday
10:00 a.m.—Sunday school, morning serv-
ice

Church of Christ—
CHURCH OF CHRIST
1201 Old US-12, East
Every Sunday
9:00 a.m.—Bible classes, all ages
10:00 a.m.—Worship service, Nursery
available
6:00 p.m.—Worship service, Nursery
available
Every Wednesday
7:00 p.m.—Bible classes, all ages
First and Third Tuesday of every month—
7:00 p.m.—Ladies class

Episcopal—
ST. BARNABAS
3800 Old US-12
(Directly across from the Postoffice)
The Rev. Fr. Gerald P. Beaumont, O.S.P.
757-2600 or 478-0779

Every Sunday
9:00 a.m.—Inquirers class
9:30 a.m.—Acolytes
10:00 a.m.—Choir
10:30 a.m.—Worship service
11:00 a.m.—Bible school (Holy Com-
munion, First, Second and Third Sundays)
11:30 a.m.—Morning Prayer, Second and
Third Sundays (Holy Communion available
immediately following service)
12:30 p.m.—Church school, K-12
1:00 p.m.—Family coffee hour
1:30 p.m.—First Sunday of the month,
prayer service
Nursery available for all services

Lutheran—
FIRST EVANGELICAL LUTHERAN
The Rev. Mark Partridge, Pastor
Every Sunday
9:00 a.m.—Evening worship with Lord's
Supper
Sunday, Aug. 3—
9:00 a.m.—Worship, Sermon on Jonah
1:00 p.m.—Lenten Service by the Great
Psalter Psalms Grace Service
Monday, Aug. 4—
9:00 a.m.—12 noon—Vacation Bible school
1:00 p.m.—Bible study
Tuesday, Aug. 5—
9:00 a.m.—Vacation Bible school
1:00 p.m.—Evening worship

SUN SAVIOR LUTHERAN
1515 S. Main St., Chelsea
The Rev. Franklin H. Gabel, Pastor
Sunday, Aug. 3
9:00 a.m.—Worship service with Holy
Communion

ST. JACOB EVANGELICAL
LUTHERAN
1201 Westwood Rd., Grand Lake
The Rev. Andrew Neeson, Pastor
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Divine services

ST. THOMAS LUTHERAN
Kilworth and Main Sts.
The Rev. John Hulse, Pastor
August
Sunday, Aug. 3—
9:00 a.m.—Worship
10:00 a.m.—Worship

TRINITY LUTHERAN
5700 Main St.
William J. Trueman, Pastor
Every Sunday—
9:00 a.m.—Worship service
9:30 a.m.—Sunday and Bible school
10:00 a.m.—Worship service

ZION LUTHERAN
Corner of Fletcher and Waters Rd.
The Rev. John R. Morris, Pastor
Sunday, Aug. 3—11th Sunday after
Trinity
9:00 a.m.—Sunday school
10:00 a.m.—Worship

Methodist—
CHELSEA FREE METHODIST
1000 Westwood Rd.
Mark Partridge, Pastor
Every Sunday
9:00 a.m.—Worship service
10:00 a.m.—Worship service

Wednesday, July 30—
Senior Team camp
Thursday, July 31—
Senior Team camp
Saturday, Aug. 1—
4:00 a.m.—Meet at church for Junior
High trip to Cedar Point. Return at mid-
night
Sunday, Aug. 3—
9:00 a.m.—Sunday school
10:00 a.m.—Morning worship with Com-
munion
11:00 a.m.—North Metro church planting
dedication
7:00 p.m.—Evening worship
Monday, Aug. 4—
Young Team camp
Tuesday, Aug. 5—
Herald Day camp
7:00 p.m.—Growth Group
Wednesday, Aug. 6—
Young Team camp
7:00 p.m.—Mid-week service
Friday, Sunday and Joyce will be on vaca-
tion Aug. 4-10

SALEM GROVE UNITED METHODIST
320 Nottan Rd.
Donald Weisman, Pastor
Every Sunday
9:00 a.m.—Church school
10:00 a.m.—Morning worship

FIRST UNITED METHODIST
Parks and Territorial Rd.
The Rev. Larry Nichols and
The Rev. David Goldsmith, Pastors
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Worship service
11:00 a.m.—Worship service

WATERLOO VILLAGE UNITED METHODIST
830 Washington St.
The Rev. Larry Nichols and
The Rev. David Goldsmith, Pastors
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Worship service
11:00 a.m.—Worship service

FIRST UNITED METHODIST
The Rev. Dr. Jerry Parker, Pastor
Sunday, Aug. 3—
9:00 a.m.—Adult Fellowship class
9:30 a.m.—Church school
10:00 a.m.—Worship service
11:00 a.m.—Church school for pre-
schoolers
12:00 p.m.—Summer social time
1:00 p.m.—Crisis Nursery classes
Wednesday, Aug. 6—
8:30 p.m.—Prayer Group meets in church
school annex
7:30 p.m.—Study Group meets in church
school annex

NORTH LAKE UNITED METHODIST CHURCH
1411 North Territorial Road
The Rev. Sandra Wilkes, Pastor
Every Sunday—
10:00 a.m.—Worship Service
11:00 a.m.—Fellowship hour, Sunday
school

METHODIST HOME CHAPEL
Every Sunday
9:00 a.m.—Worship service

SHARON UNITED METHODIST
Corner Pleasant Lake Rd. and Main
The Rev. Frank Bentley, Pastor
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Worship service

Methodist—
CHURCH OF JESUS CHRIST
OF LATTER-DAY SAINTS
1200 Freer Rd.
Wayne L. Wynn, President
Every Sunday
9:00 a.m.—Sacrament
10:00 a.m.—Sunday school
11:00 a.m.—Prayerhood

Non-Denominational—
CHELSEA CHRISTIAN FELLOWSHIP
5770 Main St.
Zack Hansen, Pastor
Every Sunday
9:00 a.m.—Learning from God's word
10:00 a.m.—Morning worship, prayer,
service, and Junior church
6:00 p.m.—Bible instruction and fel-
lowship
Every Monday
7:00 p.m.—Faith, Hope and Love,
women's ministry. Location to be an-
nounced
Every Tuesday
7:00 p.m.—Royal Roster Christian
Singing
Every Wednesday
7:00 p.m.—Bible study and prayer for
special needs

CHELSEA CHRISTIAN MEN'S
FELLOWSHIP PRAYER BREAKFAST
Chelsea Hospital Cafeteria
Second Saturday Each Month—
9:00 a.m.—Breakfast
9:30-10:00 a.m.—Program

CHELSEA FULL GOSPEL
1145 Jackson Rd. (Limo Top, Hall)
The Rev. Chuck Coleman, Pastor
Every Sunday
9:00 a.m.—Sunday school
10:00 a.m.—Morning worship
6:00 p.m.—Evening worship
Every Wednesday
7:00 p.m.—Mid-week prayer and Bible
study

CHELSEA HOSPITAL MINISTRY
Every Sunday—
9:00 a.m.—Morning service, Chelsea
Community Hospital Cafeteria

COVENANT
34 N. Freer Rd.
The Rev. Ron Snowman, Pastor
Sunday, Aug. 3—
9:00 a.m.—Family worship, includes
children's church. Nursery provided

DMANUEL BIBLE
145 F. Summit St.
Non-Lark, Pastor
Every Sunday—
9:00 a.m.—Sunday school, nursery pro-
vided
11:00 a.m.—Morning worship, nursery
provided
4:00 p.m.—Evening worship
Every Wednesday
7:00 p.m.—Family hour, prayer meeting
and Bible study

NORTH SHARON BIBLE
Sylvan and Washington Rds.
The Rev. Timothy E. Smith, Pastor
Every Sunday—
9:00 a.m.—Sunday school
10:00 a.m.—Worship service
5:00 p.m.—Senior High Youth meeting
Youth choir
6:00 p.m.—Evening worship service, nursery
available. All services interpreted for
the deaf
Every Wednesday
7:00 p.m.—Bible study and prayer
meeting, nursery available

Presbyterian—
FIRST UNITED PRESBYTERIAN
Chelsea
John Morris, Pastor
Every Sunday—
11:00 a.m.—Worship service

United Church of Christ—
RENEE EVANGELICAL AND
REFORMED
Freedom Township
The Rev. Herman A. Kramack, Pastor
Every Sunday—
10:00 a.m.—Worship service

CONGREGATIONAL
131 East Middle Street
The Rev. John Gibson, Pastor
Sunday, Aug. 3
9:30 a.m.—Nursery for pre-schoolers
9:30 a.m.—Summer ecumenical Sunday
school
9:30 a.m.—Worship service and Sacra-
ment of Communion
10:30 a.m.—Coffee and fellowship gather-
ing
12:00 p.m.—Sunday school pool party

ST. JOHN'S
Rogers Center, Waters and Fletcher Rds.
The Rev. Theodore Wimmer, Pastor
Every Sunday—
10:00 a.m.—Worship service, Sunday
school

ST. JOHN'S EVANGELICAL
AND REFORMED
FARMERS
The Rev. Paul McKenna, Pastor
Every Sunday—
10:00 a.m.—Sunday school and worship
service
First Sunday of every month—
Communion

ST. PAUL
The Rev. Edwin R. Koch, Pastor
Wednesday, July 30
7:30 p.m.—Department of Christian
Education
Thursday, July 31
8:30 p.m.—Church league softball game
at St. Mary's field
Sunday, Aug. 1
9:15-10:00 a.m.—Continental breakfast
10:00 a.m.—Church school classes
10:30 a.m.—Morning worship service
Mid-summer Communion

Chelsea Village Council Proceedings

July 15, 1986

Regular Session.
The meeting was called to
order at 7:30 p.m. by President
Satterthwaite.

Present: President Satterth-
waite, Clerk Rosentreter and
Village Manager Weber.

Absent: Assistant Village
Manager Febrner.

Trustees Present: Steele,
Kanten, Radloff, Boham, Bentley
and Merkel.

Others Present: Zoning Inspec-
tor Harook, Police Chief
McDougall, Treasurer Chapman,
Janet Tuttle, Charles Eder, Phil
Musolf, Connie Musolf, Mark
Heydauff, Tina Kamey, Kathy
Thompson, Mark Cwik, Brian
Hamilton, Luther Kusterer, P.
Schechtman, Mike Young, Frank
Grobner, Linda Reed, Randy
Smits, Tom & Dawn Wachert,
Jerry Ashby, Judy McArthur,
Bob Merkel, Tom Tuttle and Paul
Frisinger.

Motion by Steele, supported by
Boham, to approve the minutes of
the regular meeting of July 1,
1986 with the correction of the roll
call vote on the motion to pay R.
Walters pro-rated longevity pay.

Vote corrected as follows:
Ayes—Boham, Merkel and
Kanten. Nays—Steele and
Satterthwaite. Result of vote re-
mains the same. Roll call: Ayes
all. Motion carried.

The DDA Board presented the
Downtown Development Plan.
Motion by Boham, supported by
Radloff, to hold a public hear-
ing on August 5, 1986 on the
Downtown Development Plan as
presented by the DDA. Roll call:
Ayes all. Motion carried.

Fire Chief Hankerd submitted
the Fire Department Report for
the month of June 1986.
Motion by Merkel, supported by
Bentley, to table the June 1986
Budget Report until the next
meeting of August 5, 1986. Roll
call: Ayes all. Motion carried.

Mr. M. Young of 720 N. Main
Street requested permission to in-
stall a fence in the utility easement
at the rear of his property. Action
was tabled for further review.

Zoning Inspector Harook
discussed the Zoning Ordinance
and possible sign violations.

Ms. K. Thompson, Chelsea
Faith in Action, Mark Cwik,
Chelsea Hospital Assistant Ad-
ministrator and Perry Schecht-
man, AATA, discussed bus ser-
vice between Ann Arbor and
Chelsea provided by AATA.

RESOLUTION RE:
BUS SERVICE BETWEEN
CHELSEA AND ANN ARBOR
RESOLVED, that this Village
Council, for the Village of
Chelsea, Michigan, herein re-
quests the Ann Arbor Transpor-
tation Authority to file an applica-
tion for grant funding to provide
bus service between Ann Arbor
and Chelsea.

Motion by Merkel, supported
by Bentley, to adopt the above
resolution as read. Roll call:
Ayes—Bentley, Merkel, Kanten,
and Steele. Nays—Radloff. Ab-
stain—Boham. Motion carried.
Resolution adopted.

Existing park ordinance was
reviewed. No action was taken.
President Satterthwaite ap-
pointed John Yelak as hearing
officer, pursuant to Section 5 of
Ordinance No. 95 (Dangerous
Buildings).

Motion by Boham, supported
by Kanten, to enter into an agree-
ment with New World Systems
for a village computer system.
Roll call: Ayes all. Motion car-
ried.

RESOLUTION RE:
CLOSE SPECIAL ASSESSMENT
DISTRICT 75-1 FUND

WHEREAS, The Chelsea Vil-
lage Council, by Resolution of Ju-
ly 7, 1975, did establish a
Special Assessment District
(SAD 75-1) for certain im-
provements along Freer Road
and the far eastern portion of
Washington Street; and

WHEREAS, said Resolution
stipulated that one-half (1/2) of
the cost for said improvements
be paid by Special Assessment by
the affected property owners
fronting the adjoining said im-
provements; and

WHEREAS, Village Council
Resolution of April 6, 1976 pro-
vided for the payment of said Special
Assessment "... by each in-
dividual taxpayer, either in one
lump sum or in ten (10) equal an-
nual installments with 1% in-
terest on the unpaid balance, said
interest shall be for the purpose
of paying administrative costs
and shall be deposited into the
General Fund of the Village ...";

and
WHEREAS, all Special Assess-
ments have been paid in full and
all monies borrowed to pay for
the above mentioned im-
provements have been repaid;

and
WHEREAS, a balance of
\$49.37 has accumulated in the
SAD 75-1 Fund from the 1% in-

terest charge above mentioned;
now

BE IT RESOLVED, that pur-
suant to Council Resolution of
April 6, 1976, the sum of \$49.37 be
transferred to the General Fund
and said SAD 75-1 Fund be closed.

Motion by Bentley, supported
by Radloff, to adopt the above
resolution as read. Roll call:
Ayes—Bentley, Boham, Kanten,
Merkel, Radloff, and Steele.
Nays—None. Motion carried.
Resolution adopted.

Motion by Radloff, supported
by Kanten, to grant a request for
Sidewalk and Art Festival to be
held August 1 and 2, 1986 and to
close off East Middle Street from
Main Street to the main parking
lot entrance and South Street
from Main Street to the back of
the court building. Roll call: Ayes
all. Motion carried.

RESOLUTION RE:
CHELSEA AREA
TELEPHONE SYSTEM

WHEREAS, the Village of
Chelsea has received numerous
complaints concerning the condi-
tion and capability of the
Michigan Bell Telephone Com-
pany system in the Chelsea area;

and
WHEREAS, said complaints
report delayed dial tones, no dial
tones, calls cut off for no reason,
high amounts of static on the
lines, the inability to make long
distance calls, messages indi-
cating all circuits are busy, the
inability to make credit card
calls, pay phones inoperative and
the lack of touch tone dialing;

and
WHEREAS, it is essential for
the existing businesses in Chelsea

to have good communications;
and

WHEREAS it is difficult for the
Village to attract new business
and industry to Chelsea when we
are without an adequate and
modern telephone system; now

BE IT RESOLVED, that this
Village Council for the Village of
Chelsea, Michigan strongly urge
Michigan Bell Telephone Com-
pany to act in a responsible man-
ner by initiating plans im-
mediately to modernize with ade-
quate capacity, the telephone
system for the Chelsea area; and

BE IT FURTHER RESOLV-
ED, that a copy of this resolution
be sent to the Chief Executive Of-
ficer of Michigan Bell Telephone
Company, the regional and
district offices of Michigan Bell
Telephone Company and to the
Michigan Public Service Com-
mission.

Motion by Kanten, supported
by Bentley, to adopt the above
resolution as read. Roll call:
Ayes all. Motion carried. Resolu-
tion adopted.

Motion by Kanten, supported
by Steele, to appoint Lee Fairner
as Safety Co-ordinator with Self
Insured Risks Service. Roll call:
Ayes all. Motion carried.

Motion by Bentley, supported
by Kanten, to authorize payment
of bills as submitted. Roll call:
Ayes all. Motion carried.

Motion by Radloff, supported
by Boham, to adjourn. Roll call:
Ayes all. Motion carried. Meeting
adjourned.

Evelyn Rosentreter,
Village Clerk,
Village of Chelsea.

'Pause for Peace' Set By Congregational Church To Mark Nuclear Bomb

Aug. 6 marks the day when a
nuclear weapon was first used in
our world. Considering the in-
creased numbers and power of to-
day's nuclear arsenals, the First
Congregational United Church of
Christ invites the people of
Chelsea to participate in a
"Pause for Peace."

"Pause for Peace" is concern-
ed about the fact that nuclear
weapons have been used two
times in our history and seeks to
remind us that peace is the only

viable solution to the nuclear
threat.

At 3:30 p.m. (when the bomb
dropped on Hiroshima), the
church bell will be rung. At that
time we hope as many people as
possible will pause for a moment
to pray for peace in their own
way. The doors of the church will
be open from 9 a.m. to 6 p.m. for
anyone desiring to gather and
pray.

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Notice to Church Secretaries

All church schedules must
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later than Thursday at 1 p.m.
in order to appear in the next
week's edition.

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Auto
1979 GILANO PRINX
V-8 car
1978 FURY 2 dr
Air, heaters
1978 MAZDA Wagon
1977 MAVERICK
Low miles
1978 CADILLAC Seville
Like new. \$7,000 miles

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IN STOCK
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Stereo cassette
1983 5-10 EXT. CAB
4-cyl. auto
1982 C-10 SILVERADO
Auto
1980 SUBURBAN 1-ton 4x4
4 speed
1980 CHEVY 1-ton 4x4
1979 R-5 BLAZER
Sherry
1978 FORD F-250 4x4

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79 PLYMOUTH DUSTER 11 runs
\$125 Ph. 426-2329
84 CHEVY Cavalier Wagon. Blue. 24,000 miles. mint condition.
5 speed. ave. drive. trans. AM-FM
with electronic clock. air condition-
ing. cruise. tilt and much more.
\$5,995. Call even. at 428-9489 after 6
p.m.
78 CHRYSLER LEARON Runs
great. little rust. new battery. 2
snow tires included. Call 475-8974 or
769-9855
1982 ESCORT WAGON 4 speed.
power steering and brakes.
\$1,900 475-3241
84 BUICK Skylark Wagon. Limited.
Air. auto. AM-FM cassette. rear
delugger. roof rack. 25,000 miles.
Ph. 426-8680
76 FORD F150 truck. C-750. Roll
back. 391 CID. 10-speed dual rear
wheels. 8-3/4 inch. 10,000 lb. haul-
ing capacity. for trucks and cars.
Hydraulic winch. drive-on ramp.
Good heater. trailer towing hitch.
Ph. 426-5500.

BODY SHOP

COMPLETE FULL TIME
Estimates Available

PALMER FORD

222 S. Main 475-1301
76 FORD Flatbed Truck for sale
Ph. 426-5500.

Cash or Consign

Let us pay top dollar for your quality
used car, truck. Cash, check, payoffs
arranged.

Let us sell your car, truck on consigna-
ment. Two contracts available, flat
fee or straight percentage.

CALL FOR DETAILS
Palmer Motor Sales
An Exclusive Agent for
National Autofinders

475-1800 Chelsea 475-3650
45th

Automotive

FOR SALE 1981 Buick Skylark
excellent condition \$2,000
475-2829
79 DATSUN 210 Station Wagon
5 speed AM-FM cruise excellent
condition \$900 Ph. 475-9952 leave
message
73 PONTIAC CATALINA 73,000
miles. 4 door. good condition.
426-2373

Farm & Garden

FARM EQUIPMENT and small engine
repair. Reasonable rates. 475-7547
evenings
COMBINE John Deere 40 self
propelled for sale with grain head.
Good condition. \$400. Call after 9
p.m. 475-1813
BLACK DIRT & PEAT 6 yards
delivered. \$50. Satisfaction
guaranteed. Call 426-7784

INGLIS ROADSIDE MARKET

Sweet corn and large lettuce
Melons
Other fresh produce
Jackson Rd. at Dexter
475-1862

FOR RENT Stone picker by day
or week. 475-7631
FARM TRACTOR 55 Ford Series
650 6 ft blade chains drawbar
plus miscellaneous \$2,800 Ph.
475-9414
LAWN TRACTOR Wheelhorse 11
h.p. 36 mowing deck 42 snow
thrower \$1,800 Ph. 475-9414
FARM TRACTORS for sale. Use-
small Ph. 475-8141 or 475-8726

Fresh Produce

New Red or White Potatoes
Green Beans
Summer Squash Zucchini
Tomatoes Corn Shells
Now Taking orders for
Cucumbers Pickles
Call 475-8054

BLUEBERRIES

U Pick 50¢ lb.
ZABINSKY FARMS
10810 Beach Rd.
Dexter, MI
426-2900

3 PIECE WICKER FURNITURE
2 chairs and ottoman. Set. Ph.
663-8228
MERGANTHALER Linocore 1 type
letter. Kodak Extensile processor
and misc. supplies for layout and
paste up. Ideal for print shop or
small publication. Reasonably priced.
for package. Call 663-2105 evenings
to arrange demonstration.
FM STEREO TUNER for car. 8 track
player. \$15. Audiotape tape deck
lock mount. never used. \$10. Car
radio. Delco AM-8 track player. \$25.
Call 663-8228 after 5 p.m.

COIN OPERATED
PINBALL & VIDEO
GAMES
FOR HOME USE.
Call
662-1771

FOR SALE 18x7 aluminum patio
awning with 4 posts or could be
used as a car-port awning. Good con-
dition and very sturdy. Ph. 475-8835.
Telephone your club news
to 475-1371

For Sale

FOR SALE Older range and
refrigerator \$100 for both. Call
475-9480 if no answer leave
message on machine
FOR SALE Solid maple twin bed
French Provincial twin bed. Both
complete with box springs and mat-
resses. Twin headboards without
bedside stand. Made A-bed rocker.
4 drawer chest. Walnut drop-leaf
table. Solid oak dresser. King
bedspread. 2 twin bedspreads. Twin
sheet sets. Draperies for children's
room. 2 new telephones. one wall.
one desk. girls 20-inch table. Ph.
663-2640.

Auction

FARM AUCTION

Moving out farming. we will sell the
farming at auction on

851 S. Steinhart Rd.,
Chelsea

Take 94 to Baker Rd. Exit 167 then
west to Jackson Rd. then south 2 miles

Saturday, Aug. 2
at 10:30 a.m.

Antique oak 5 curve roll top desk &
gallon oak pressed back cane bottom
chairs. three 1900's cabinet radios
kitchen cabinet with flower sifter and
sauce jars. large cut glass punch bowl
with cups. cut glass creamer &
sugar. roses beautiful stemware.
Depression glass. pieces. candle
sticks. oak drop leaf table. 30-40
Crab bait action rifle. 22 larger rifle
with bolt action. Winchester model
70 bolt action rifle with 24.3 gauge
and built barrel. in excellent condi-
tion. shotgun reloading equipment.
Mec 500 complete with 100 lb. lead
shot. Duncan Flyer drop leaf dining
table. steamer trunk. turnip back
hunk. tinners and lace. 75 mm shell
lamp. baby. heavy oak fern stand
with two feet. large glass balls.
antique pine safe. occasional chairs.
cane beds. American. antique fire
engine. antique pictures and
frames. 4 oak kitchen chairs. cham-
ber pot. bow front commode. large
kay. beds. luggage. GE kitchen
stove. school desks. ice range. grape
thrasher. barrels. large cracks. 1954
D. D. 7 Caterpillar tractor.
diesel. runs good. 1967 Deere 15
row grain drill. 20 speed. 10 ft.
over. 20 steel box beam hydraulic
hoist. runs good. 1967 Ford 800C
tractor with dual diesel. good road
tires. sharp. flat rack wagon with
grain sides. 10 ft. grain hydraulic lift.
1967 Ford 400 tractor in good con-
dition. adjustable wheels. Cardinal 36
8. transport auger. Ford Melroe semi
mount. 5 bottom. auto. reset. plow.
Kewanee model 500 4 ft. grain and
weed harrow. 1967 Deere 15
3 pt. scraper. blade. 3 ft. 1100 lb.
mesh round corn cobs. John Deere
trailer. 3 pt. Ford 7. 160. mower.
Ford 3 pt. wire bar mower. Kubota
350 grain box with 10 ton Kubota
running gear and hydraulic
auger. sells complete. 3 pt. 160. sub
soiler. John Deere 484 4 row
weed sprayer. John Deere 15
row grain drill. 20 speed. 10 ft.
over. 17. Ford field cultivator. 10
Ford plowing disc with 24. blades.
10. Britton cultimulcher. 4 section.
rotary. hoe. 10 cultipacker. 3 section.
drag. roller. utility trailer. with
hydraulic lift. platform scales. 3 pt. 4
row. H. cultivator. Ford 602 2 row
mounted corn picker. 500 gallon oil
tank. 90 4 well pipe used. 2 rails.
plastic pipe. 20 ton corn sheller. 65
12. plastic culvert. 20 ton hydraulic
bottle. oak. hies. 8. clay. log
chains. pipe wrenches. 6. table. law
mower. electronic crow. C. Clamps. low
hitch. tables. cement mixer. pipe
dies. pipe cutter. wood pulleys. snow
fence. milk cans. 29. 5th wheel
Spinner travel trailer. in excellent
condition. air. craft seats. Ford
rotator for 124 lawn tractor. 1965
Sunbeam Tiger. Roadster. hard and
soft top. needs engine.

This is a good clean auction.
Machinery always housed
Owners.
Joe & Irene Egan
Brian & Helmer Auction Service
LLOYD R. BRAUN, CAI
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Give a
Gift Subscription to
The Chelsea Standard

Garage Sales

UNPACKING SALE 1026 Warkner
Rd. Chelsea. 2 bikes. children's
items. antiques. Christmas items and
more. Sale Sat. Aug. 2. 9 a.m. to
5 p.m.
GARAGE SALE Furniture items.
clothes. drapes and misc. Lots of
good bargains. Fri. and Sat. Aug.
1 & 2. 9 a.m. to 4 p.m. 750 N. Main St.

PICKNEY 3 family yard sale 9875
Dexter. Pickney Rd. 3 miles north
of North Territorial. Aug. 1-2. 8 a.m.
to 6 p.m.
GARAGE SALE View the Waterloo
Farm. Mumum. 9988 Waterloo
Avenue. Jackson Co. Reserve 50¢
off the price of one adult admission
with this ad. Hours. Tues. Sun. 1-4
p.m.

MOVING SALE Aug. 1-3. 9815
Dexter. Pickney Rd. 3 miles north
of North Territorial. Aug. 1-2. 8 a.m.
to 6 p.m.

YARD SALE Thursday July 31
9 a.m. to 4 p.m. 361 Chandler
Chelsea. Baby clothes and items.
children's table and chair set. toys.
C. S. cameras. misc. Run or shine.

GARAGE SALE 139 Clairdale
Court. Chelsea. Sat. Aug. 2. 8
a.m. to 4 p.m. Lots of children's items
and clothes.

GARAGE SALE Mother-daughter
belongings sale. 1023 N. Fraser Rd.
10 a.m. to 2 p.m. A great variety. Yall
come.

YARD SALE 211 Lincoln St.
Chelsea. Thurs. & Friday. July 31
Aug. 2. 9 a.m. to 2 p.m. 723 Lin-
coln St. Chelsea. Lots of women's
items. infants and children's
clothing. household items. small
appliances. toys and many more
years of treasures.

MOVING SALE Sat. Aug. 2. 9 a.m.
to 5 p.m. 36 Sycamore St. Chelsea.
wood. Chelsea. Furniture. books.
clothing. appliances and much more.

GARAGE SALE Antiques. oak
furniture. library table. telephone
table. drop-leaf table. oak wagon
wheel. cracks. copper. butter
kayser. and. casset. clothes.
miscellaneous. 560 Chandler
Chelsea. Friday. Aug. 1. 9 a.m. to 5
p.m. Sat. 9 a.m. to 1 p.m.

GARAGE SALE July 30 through
Aug. 3. Wed. thru Sun. 10 a.m. to
6 p.m. Sheltonway. tools. sporting
goods. electric range and lots of
miscellaneous items. 17250 Garvie
Rd. 194 exit 136.

GARAGE SALE Fri. and Sat.
Aug. 1 & 2. 10 a.m. to 4 p.m. Sport-
ing goods. household items. clothing
and more. 18374 Bush Rd. Chelsea.

MOVING TO SOUTHERN CITY from
northern country home. Many ant-
iques. jewelry. garden supplies. tools.
old freezer and both tub. small ap-
pliance. books. sewing machine.
king size bed. 77 Toyota. large dog
house. and Golden Retriever dog.
9841 Huron River Dr. North of Dex-
ter. Sat. & Sun. Aug. 2 & 3. 9 a.m. to 4
p.m.

FIRST EVER YARD SALE 2601
S. Fletcher between Scio Church
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Aug. 1. 8:30 a.m. to 6 p.m. Sat.
Aug. 2. 8:30 a.m. to 4 p.m. Beer.
cans. bottles. advertising trailers.
all kinds of bottles. insulators.
cracks. antiques. collectibles and
household items. No nothing. Run
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Real Estate

Real Estate One

993-1818
For more information DAYS or EVENINGS
Contact

Nelly Cobb, REALTOR
475-7236

MANCHESTER spacious 3-bedroom
ranch 2 baths. attached garage. full
basement. 20x40 pole barn. On 5
acres. \$74,500

WATERLOO REC AREA - 3-bedroom
2 baths. brick ranch. full finished
basement. natural woodwork. hard
wood floors. \$75,000

CHICK WOODS building sites ad-
jacent to state land. access to Wayne
state lake

COMPLETELY REMODELED old-
home 3 or 4 bedrooms. 2 full bath.
custom built. brick wall. fireplace.
newly insulated. back with privacy
fence on large lot with garden area
\$60,000

MIRK FABRA Large 4 bedroom
home with new kitchen. formal din-
ing and family room with fireplace.
on 17.5 acre with 40x100 pole
barn and large stock barn. \$95,000

VERY NICE 3-bedroom 2-bath home
with full walk-out basement and
large in-ground pool. Walking
distance to South Elementary school.
\$69,500

Compiled by the Americanism Department, Veterans of Foreign Wars
Presented Locally by VFW Post No. 4076

CONSOLIDATED REPORT OF CONDITION OF CHELSEA STATE BANK

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JOHN W. MEKKEL
ROBERT L. DANIELS
Directors

GEORGE H. CRESS
WILLIAM M. BROUCE
RICHARD A. WARE
Directors

426-4677

ARLENE BAREIS
CLERK



DEXTER PHARMACY TEAM PLAYERS are seen on the Dexter softball field during Monday Night Women's League competition. Shown in the photo, front row from left, are Cheryl Vogel, Cheryl Michelsfelder, player-coach Linda Landrum and Robin Schneider. Players pictured in the middle row, left to right, are Val O'Gorman, Melissa Bellus, Ruth Menard and Diane Tandy. In the back row, from left, are Nanette Cooper, Diane Hubert, Carolyn Parker and Kathy Newman. Player Beth Ramsey is missing from the photo.

Wheat Diseases Could Cause Market Problems

According to Michigan Farm Bureau commodity specialist Doug Fleming, disease-reduced wheat yields, caused by the wet June weather, could lead to marketing problems for farmers. Yields have been reduced by as much as 50% in southern Michigan, he said.

"The greatest problem right now is for those farmers who may have forward-priced up to 70% of their crop," Fleming said. "With yields down, these farmers may have to end up buying wheat to fulfill contracts."

Fleming said another problem is that elevators may refuse to purchase disease-tainted wheat. "That doesn't leave too many alternatives for a farmer. Diseased wheat is deadly to hogs, but he can test feed the wheat to a couple of cattle over a two-week period and monitor how the cattle react to it. Other than that, there's not a lot that can be done," he said.



MEMBERS of the Farm League have had a good season, but it's about to end. In the front row, from left, are Gerrick Reine, Ryan Lafferty, Brandon Miller, Ryan Guenther, Jamie Pulick, Raymond Black, and Bryndon Stahler. In the back row, from left, are Damon McLaughlin, David Reesman, Brad Jedels, Drew Kye, Keith Rowe, Jason Rimmer, Jim Tallman, and Eric McCalla. The coaches are Mary Guenther and Ken McCalla.

Dial-A-Garden Topics Listed

The following is a schedule of Dial-A-Garden, the system of pre-recorded daily gardening tips sponsored by the Washtenaw County Cooperative Extension Service.

The system is in operation 24 hours per day, 7 days per week. Interested persons are invited to call 971-1122 at their convenience and receive timely, up-to-date gardening information.

Topics for the next week are as follows:

Wednesday, July 30—"Controlling Perennial Weed Grasses"

Thursday, July 31—"Thatch in Your Lawn"

Friday, Aug. 1—"Grass Varieties"

Monday, Aug. 4—"Preparing the Soil for a New Lawn"

Tuesday, Aug. 5—"Seeding a New Lawn"

Wednesday, Aug. 6—"Sodding a New Lawn"

Fund Run To Benefit United Way

Once again Warner-Lambert Co., in cooperation with Edwards Brothers, Inc., and American Dental P.C., will sponsor the United Way Fund to benefit the Washtenaw United Way.

The race will be held Saturday, Aug. 2, beginning at the Warner-Lambert/Parke-Davis Pharmaceutical Research Facility located at 2800 Plymouth Rd., Ann Arbor.

Two courses, a 10-kilometer and 2-mile fun run will be available, with starting times at 7:30 a.m. for the 2-mile and 8 a.m. for the 10-kilometer race.

Check-in time for both races is 6:30-7:30 a.m. with an entry fee of \$8.

Livestock Sale Slated Thursday

(Continued from page nine)

Last year, Detroit Edison Co. sent Al Shelton from the Ann Arbor office's customer relations staff to the Livestock Sale to purchase some high quality beef, later used as Edison hosted the county's senior citizens and a lot of the young people involved in 4-H work.

The seniors are still discussing how great the beef was.

If people are not looking to make a purchase, but would like to stop at the Saline Farm Council Grounds and observe the young people from the various 4-H clubs demonstrate "showmanship" at the Livestock Sale, it's well worth the trip out Saline-Ann Arbor Rd., Thursday evening.

Elect

Edward L. VANDENBERG, Jr. for Probate Judge

- Practiced law in Ann Arbor & Ypsilanti for 29 years, specializing in Probate Law
- Appointed Grievance Officer (Ombudsman) for City of Ann Arbor, 1970-1974
- Board of Washtenaw County Legal Aid Society - President
- Board of Ecumenical Campus Center - President
- Board of Senior Citizens Guild of Ann Arbor - President
- Council on Religious Affairs at UM - Chairman
- Taught classes on Probate & Estate Planning for Retirement

VOTE TUESDAY, AUGUST 5 • NON-PARTISAN

Paid for by Vandenberg for Probate Judge Comm. J. Michael Forsythe, Treas. 111 S. Main St., Ann Arbor, Mich. 48104



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Presents These and many more JULY SPECIALS

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ALL FOR ONLY **\$39.95**

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our garage is having a huge truck tire sale.

Check Our Low Prices Before You Buy Elsewhere!

Now thru July 31st
Hamburger, French Fries
and Pepsi
\$1.76

Pancakes & Coffee
All-you-can-eat & drink
99¢

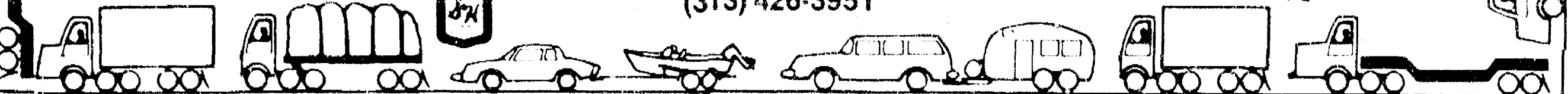
FULL LOAD MEAL

8-oz. Hamburger Steak
4 eggs
Home Fries
Toast & Coffee

\$1.00 off

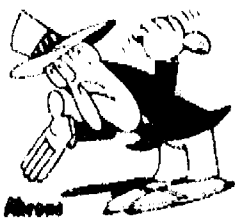


All Features while Supplies Last



Baggy Paragraphs

By Ronald Brown



Television's most disgusting commercials are its Bodily Function Ads that appear at supper-time. At this hour, the purveyors of various remedies seize the airwaves to promise relief for the weary masses. It's like being punished for watching the news during dinner.

My wife and I watch anyway.

We realize that in some homes this decadent practice is regarded as a detriment to conversation. But we focus on videotaped global conflict in order to avert the real-life domestic strife conversation would cause.

A secondary benefit is the potential advantage we gain over people who don't watch the news and so miss out on all the oddball information.

Since one never knows when he may find himself appearing on a TV game show or playing a board game, it's important to maintain that fine edge in trivial knowledge. After all, how often is one reminded that Tirana is Albania's capital? Or that the Permian period followed the Pennsylvanian in geologic history?

The games I've mentioned demand you know this:

For example, once on a flight from Chicago to Los Angeles, a stewardess invited the passengers to play a trivia game.

"Which city is known as 'Little Havana'?" she asked over the loudspeaker. I scrawled Miami on my answer sheet.

"The mother of which British prime minister was born in Brooklyn?" she asked. I wrote down Churchill's name. And so on.

I tied for high score but lost the playoff after underestimating the number of statute miles between Chicago and L.A. (Tom Brokaw and

Dan Rather have never reported this statistic.)

Still, I could thank TV for getting me that far. Without news reports on racial hatred between Miami's whites, blacks and Cubans, I would only think of that city as a center of cocaine smuggling.

But knowledge doesn't come cheap. The commercials aired during newscasts exact a toll in mental anguish. Every night during our meal we hear about gas pain, constipation, diarrhea and hemorrhoids.

Or, when the complaints originate outside the digestive tract, it's eczema, psoriasis, swelling, flaking and itching.

And lately, a subculture of afflictions that require extra-absorbent pads has also gone on the tube.

The half-hour when a grim-faced announcer enumerates the world's woes is the most cramped, nauseated, congested, malodorous time-slot TV offers.

Sponsors must think the viewers are falling apart.

That may be—due to the acts of terrorism, chemical spills, derailments, hurricanes, crooked politicians and last-minute upset victories. But they don't have to endorse all this suffering with their flimsy promises of relief. When I'm gagging down my tube steak I'm not hearing an actor moan about his blocked passages.

Do the same ads make it to prime time? Never. It's as if osteoporosis and diverticulitis don't exist on "The Cosby Show." And Michael Jackson may do Pepsi ads, but he wouldn't sign with Preparation "H" for all the money in California.

Yes, we new-seekers are an oppressed minority. Advertisers aren't stupid. They know older people watch at this hour, hence the carefully targeted commercials.

There is a bright side. We are spared the same remedies. These will stay with "American Bandstand." I prefer hearing about throbbing and swelling to oozing and popping. It's more civilized.

And that's the reason why kids should watch the news. It shows them how dignified it is to grow up.



CHELSEA BOOSTER CLUB jackets will be on sale during the Sidewalk Festival this week-end to raise money for the Chelsea athletic program. The jackets, according to the club, will vary in price depending on how many are ordered and what inscriptions are desired. Above, Rick Niehammer models one of the jackets. The jackets are, of course, blue and gold.

Morgan Horse Open Barn Day Set Aug. 3

Sunday, Aug. 3 is the date set this year for Morgan Horse open barns in southeastern Michigan. Numerous breeding farms and training facilities will be open to the public and many will be preparing free demonstrations to show the versatility of America's first breed of horse.

Justin Morgan, the legendary progenitor of the Morgan horse breed, was born in Springfield, Mass., in 1789 the same year George Washington became America's first president. The Morgan is a light horse breed (900-1100 lbs.), beautiful headed with lovely high leg action. They are famous as carriage and riding horses known for their trotting ability. The Morgan's ancestry shall forever remain a secret, but we do know that this animal was a mutation possessing the ability to transmit to his offspring characteristics unique of himself and, many generations later, the same characteristics predominate.

Justin Morgan was originally named "Figure" and later got his name from the man who first owned him, Justin Morgan. He lived for 32 years and produced many get, but his most famous were his three sons: Sherman, Woodbury and Bulrush. Today's Morgans descend from these three sons and crosses between them. He worked hard during his lifetime, earning the enviable reputation that he could out-work, race, and out-shine any horse of his day. Walt Disney immortalized these consistent Morgan qualities in the film, "Justin Morgan Had A Horse."

The Morgan is the only registered breed of horse ever perpetuated by the United States Government. In 1907 the U.S. Morgan Farm was established in Middlebury, Vt., and operated by the Department of Agriculture. The purpose of the farm was to breed Morgans to provide stallions for Remount Stations at various points across the country.

The Morgan horse was used to develop such breeds as the Standardbred, the Saddlebred, the Quarterhorse and the Tennessee Walker. He has adjusted to the changing times down through the years.

Today the Morgan's versatility is widely recognized. They are wonderful family horses, and their disposition lends them to kindness toward young and old alike. They are show animals that are magnificent to watch, ride, and drive. As driving animals, they are superb. A pair of New England Morgans competed in the 1985 World Pair Driving Championships in Sandringham, England and placed in the top rankings.

If you are unable to attend the open barns on Aug. 3, but would like information, please contact: American Morgan Horse Association, P.O. Box 1, Westmoreland, N.Y. 13490. Or contact the Michigan Justin Morgan Horse Association, largest state club in the United States, Carolyn Gaton, membership chairman, 1970 Applewood Lane, Milford 48042, (313) 685-8027.

The following farms in this area are opening their doors on Aug. 3 and look forward to the opportunity of introducing the public to Michigan's famous Morgan horses:

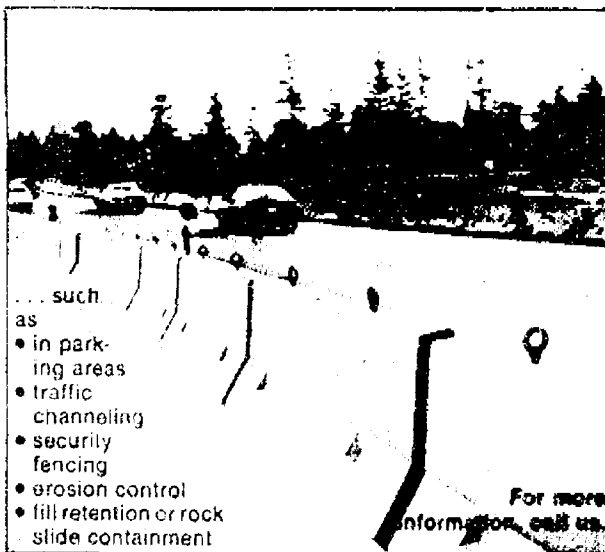
Renaissance Morgan Farm
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(313) 475-2134
(313) 475-1554
Wagner Farms Inc.
3500 Wagner Rd., Ann Arbor
(313) 761-6106

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Fill out form, clip and send with payment in advance to
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Friday and Saturday, Aug. 1-2

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VALUES TO \$15.00

SPECIAL SELECTION

Timex Watches . . . 50% off

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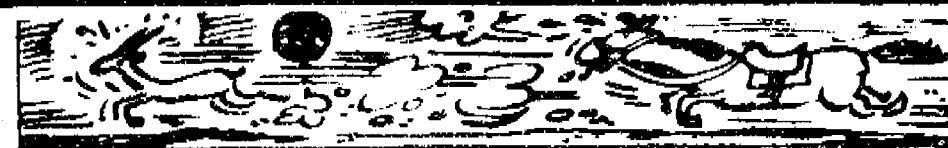
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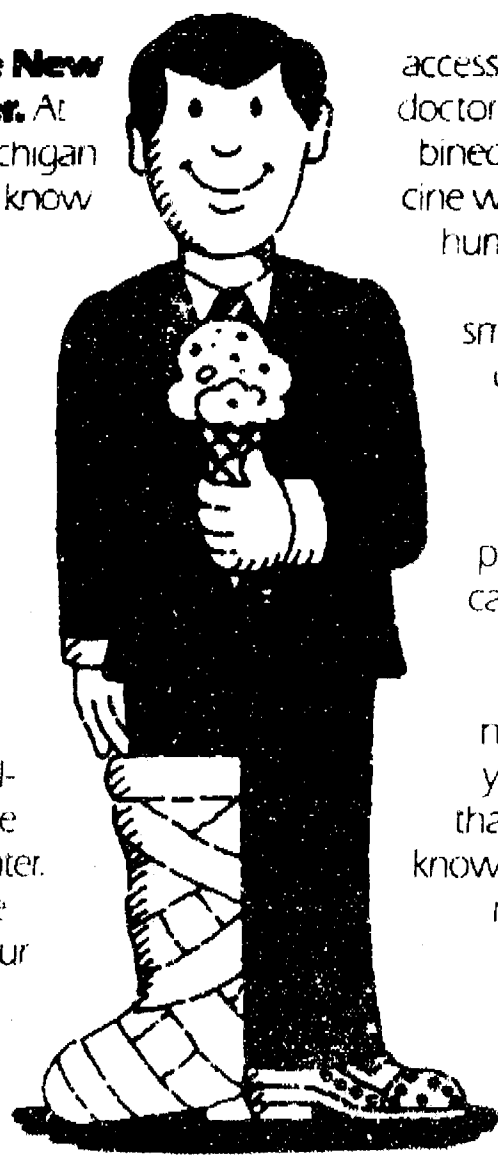
We designed the Taubman Center, our new outpatient facility, to be as

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Including such small, but significant conveniences as a central location, inviting lounges, ample attached parking and a door captain to assist you or park your car.

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The new
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University of Michigan Medical Center
Knowledge heals.

AREA DEATHS

Harry E. Reinke

805 W. Middle St.
Chelsea

Harry E. Reinke, 88, of 805 W. Middle St., died July 25 at the Chelsea United Methodist Retirement Home.

He was born Aug. 1, 1897 in Michigan, the son of William and Elida (Grieg) Reinke. His wife, Esther, preceded him in death.

He had lived at 805 W. Middle St. for many years. Prior to his retirement, he was in sales at the Borden Dairy in Bay City. He was a member of Messiah Lutheran Church of Bay City and was active in Masonic organizations.

Survivors include a daughter, Elida Matila of Ann Arbor; a son, Walter C. of Birmingham; seven grandchildren; and a sister, Nettie Steyer of Roseville.

Funeral services were July 28 at the Penzien Funeral Home of Bay City. Burial was in Floral Gardens Cemetery, Bay City.

Local arrangements were by Staffan-Mitchell Funeral Home.

William J. Manley

41 Batteraut Ct.
Chelsea

William J. Manley, II, died Monday afternoon, July 28, at his home following a brief illness.

He was born June 26, 1924 in Yuma, Ariz., the son of William J. and Mary Baggett Manley. Sr. He married Joyce A. Clement in Detroit on July 22, 1950, and she survives.

He lived in Chelsea for 10 years after coming here from Detroit. He was employed at Chrysler Proving Grounds. He was a member of St. Mary's Catholic Church and took part in the ushers club there. He was a former chancellor of the Knights of Columbus Council 3092 of Chelsea. He was also a volunteer at St. Louis Center. He served in the Air Force during World War II and received the Purple Heart and other medals.

Other survivors include a daughter, Marcia M. Manley of Southfield; four sons, William J., III, and Mark E., both of Houston, Tex.; James A. of Ypsilanti and Tim J. of Southfield; and a brother, Frank Manley of Farmington. He was preceded in death by his parents and two sisters, Ann Schmidt and Marje Murphy.

A funeral mass will be celebrated today at 11 a.m. at St. Mary's Catholic church by the Rev. Fr. Philip Dupuis, the Rev. Fr. Joseph Rinaldo, the Rev. Fr. Joseph Immel and Deacon Richard Cesarz. Burial will be at 1:30 p.m. at Holy Sepulchre Cemetery in Southfield. A rosary was recited Tuesday evening at Staffan-Mitchell Funeral Home.

Ethel May Walz

327 W. Middle St.
Chelsea

Ethel May Walz, 85, of 327 W. Middle St., died July 23 at the Geriatric Center of Stockbridge after a short illness.

She was born Sept. 17, 1900 in Lima, N.Y., the daughter of George and Francena (Coel) Roberts. She lived in Chelsea since 1920 and at the same residence since 1928.

She married Clare Walz in Chelsea on Jan. 17, 1920. He preceded her in death on May 18, 1969.

Survivors include a son and daughter-in-law, Robert and Alice Walz of Chelsea; a daughter, Ruth Leander of Plymouth; a grandson, Mark Leander of Portland, Ore.; a granddaughter, Janet Walz of College Park, Md.; four sisters, Margie Parker of Dexter, Clarabel Glenn of Stockbridge, Georgia Gauss of Ann Arbor and Eleanor Payne of Holt, and many nieces, nephews and friends. She was preceded in death by a sister, Marian Kirshman, and three brothers, James, Chester and Glen Roberts.

Funeral services were Saturday, July 26 at 11 a.m. at Cole-Burghardt Funeral Chapel with the Rev. Dr. Jerry Parker of the First United Methodist church of Chelsea officiating. Burial was in Oak Grove Cemetery.

Memorial contributions may be made to the First United Methodist church of Chelsea.

Arrangements were by the Cole-Burghardt Funeral Chapel.

Births

A daughter, Morgan Danielle, Wednesday, July 16, to Randy and Dawn Seitz of Chelsea, at St. Joseph Mercy Hospital, Ann Arbor. Paternal grandparents are Junior and Alyn Seitz of Chelsea. Maternal grandparents are Richard and Sonia Spaulding of Grand Rapids. Morgan has a brother, Justin, 2½, at home.

A son, Zachary Michael, July 19th, at St. Joseph Mercy Hospital, Ann Arbor, to Mary and Michael Garris, 511 Miller, Ann Arbor. Paternal grandparents are Jack and Helen Garris of Ann Arbor. Maternal grandparents are Harriet and Kenneth Wilson of Ypsilanti.

Courthouse Plans To Be Presented Monday Evening

The public is invited to attend next Monday evening's presentation of the architect's plans for the renovation of the 14th District Courthouse, a spokesman for the restoration committee has announced.

The presentation will be at 7:30 p.m. on Monday, Aug. 4, at the courthouse, 122 S. Main. Architect Lincoln Poley, Jr., of Mitchell/Poley Architects will turn over the restoration plans.

A number of local officials will be on hand to answer questions.



A FLAG WAS DONATED to the Village of Chelsea for Dana Park by VFW Post No. 4076 and the VFW Auxiliary last week. On the left, Ginny Boyer and Kathleen Packard of the VFW Auxiliary.

They enjoyed themselves as they presented the flag to Department of Public Works Superintendent Bud Hufner. Mae Packard, right, was on hand to represent the VFW Post.



AMERICAN FLAG was donated to the Village of Chelsea by VFW Post No. 4076 and the VFW Auxiliary. The flag is now flying at Dana Park, thanks, in part, to this village worker, who had to be lifted to the top of the flag pole to attach it.

CHS Class of '90 Meeting Weekly for Float Construction

Chelsea High School Class of '90 fair float construction is now in progress. Members of the freshman class are holding weekly meetings. All interested freshmen are urged to attend these meetings and help.

For further information call Debbie Webb (475-3200), Vicky Niethammer (475-8907) or Sarah Gray (475-7333).



SAM MORESAU scores a run for the Indians during last Saturday's Farm League Tournament. The Indians were the eventual champions. Tim Stecker is the catcher for the Cubs. Bob Strong coaches third base for the Indians.



"Great Egret with Water Lilies," shown above, is one of the many paintings done by Chelsea native artist Diane Hayes Mayer and available from her art gallery in Fort Myers, Fla.

Inquiries may be directed to:

WHITE BIRD GALLERY

7180 Kenwood Lane, Fort Myers, Fla. 33907

Please Note: The zip code stored in the story in July 26 issue is incorrect. The correct zip code is shown above.



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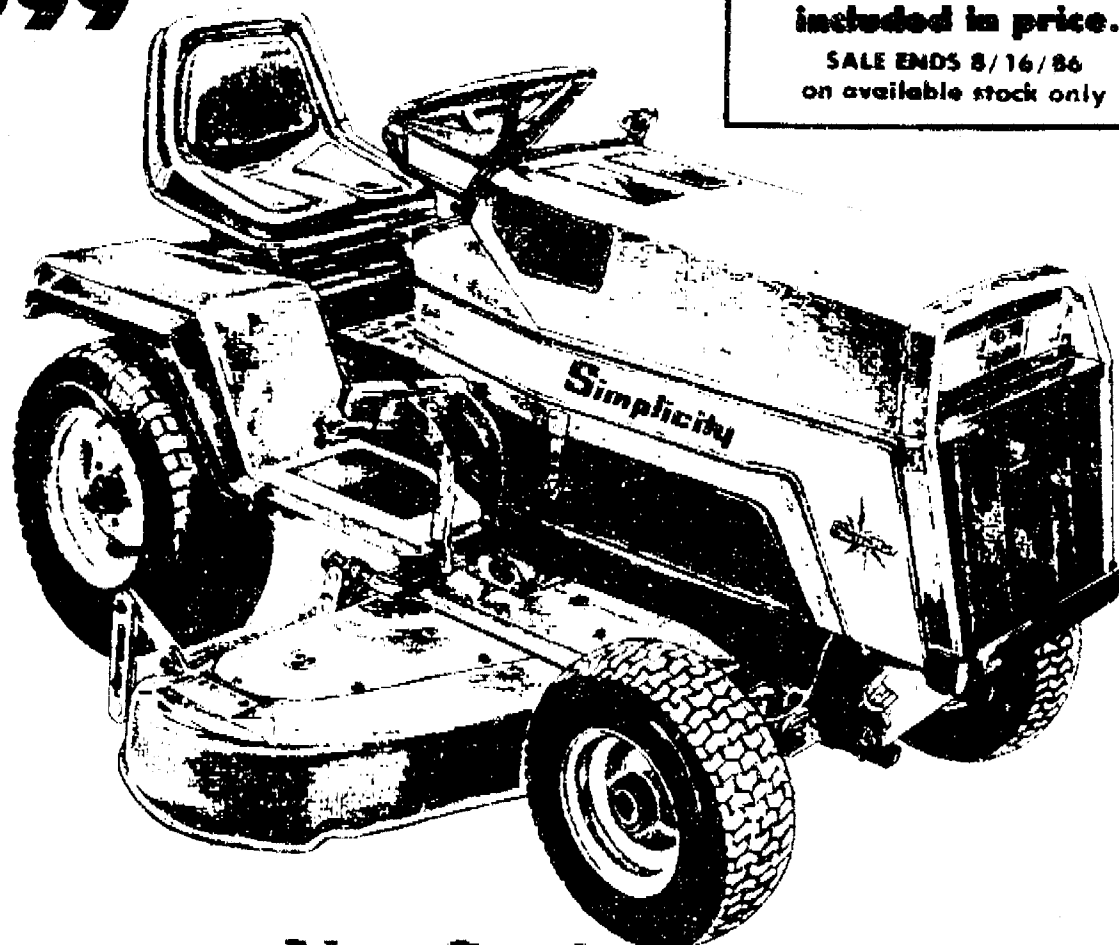
Simplicity

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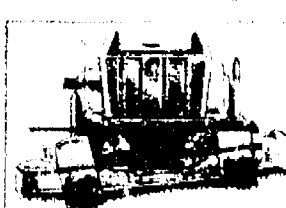
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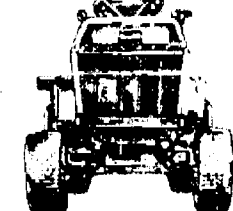


the cut. The Simplicity "free floating" mower hugs the contours of your lawn. The best cut in the business!

Exclusive design double pivoting front axle for greater stability when mowing across slopes.

They're big. They're tough. They're loaded with innovative new engineering developments. And best of all, they compromise on nothing. Introducing SunStar™ new 18 and 20 hp garden tractors from Simplicity.

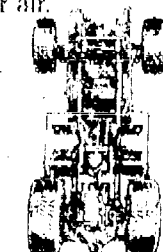
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Kohler "Magnum" cast iron engine. Unbeatable for durability, smoothness and torque. And it's cooled by a unique enclosed cooling system that draws only cleaner, cooler above-tractor air.

Heavy-duty, inside and out. Massive computer designed frame. Big cast iron trans-axle. Large 7" diameter drum type brakes.

And there's plenty more. Like electric PTO's, front and rear. And a full range of time-saving shaft-driven attachments. Put yourself in an uncompromising position — see the SunStar today.



Other models on sale from \$1,299 up

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120 S. Main St., Chelsea

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THE OLD DEPOT SIGN, we hope, will be back in place in time for Sidewalk Sale Days at the end of this week. Artisans from Michigan Signs, Inc., are making a replica of the missing sign and expect to have it completed in time for the Aug. 1 and 2 events.

Depot Open House Set for Visitors During Sidewalk Sale

As visitors to the Chelsea Sidewalk Sales enjoy their shopping Friday and Saturday, a happy surprise will await them at Main St., and Jackson, just before they reach the railroad tracks. There they will behold the beautifully restored exterior of the rail depot, freshly painted in its original 1880 colors, with its doors wide open in a festive open house.

Between noon and 5 p.m. Saturday the street will be closed to vehicular traffic, so leave your horse and stay at home. All of the parking stalls will be filled with gleaming restorations of ancient motor cars.

The entire family will enjoy a walk around the station to see the Victorian depot as it appeared 100 years ago. More pleasures and surprises will await visitors to the inside of the depot.

The visit will not only be admission free to the whole family, there will be souvenirs for all—Amtrak balloons (floating on Community Hospital helium), Amtrak caps and literature on many fascinating travels by railroad train from sea to shining sea.

Charles Shiver, the restoration maestro, will offer bushels of fresh, hot popcorn served with McDonald's famous cool orange drink.

In addition, there will be depot guides to offer information and answer questions as visitors move from one room to another of the 3,500 square foot station.

Handsome Donor Certificates bearing an embossed gold seal will be available to those who contribute \$10 or more to the restoration fund. A choice of Chelsea History Books in either

the 1959 or the 1984 edition will be given with each Donor Certificate.

There will be music, too, from the melodious harmonica and banjo of Duane and Frank.

Hours of the Depot open house will be 10 a.m. to 5 p.m. Friday, and 10 a.m. to 5 p.m. Saturday.

Portage Lake Residents Form Wastewater Force

A group of Portage Lake property owners is exploring the possibility of developing a sewage system in that area.

The Portage Lake Wastewater Task Force was formed July 9 in a meeting at Dexter Town Hall to push for a pressure-type sewer system to be in use within two years, said Robert H. Miller, chairman of the group.

Miller said the system would help alleviate phosphate contamination and the proliferation of nutrients that is caused largely by current sewage disposal methods.

Such a system would divert waste to a central disposal site. The group has optioned 120 acres of state-owned land at Stinchfield Woods and Dexter-Pinckney Rd. for this purpose, he said.

Funding for the system would come from a special assessment district, with about 450 Dexter township homes likely to be affected. An additional 200-300 Putnam township homes are in the lakeside community.

The task force's first step will be to petition the Dexter township

High School Preparations Underway

Even though it is summer time and most high school students are working, vacationing or just plain doing whatever they want to do, the office staff at Chelsea High school is busily making preparations for the first day of school. This goes on all summer long. Contrary to popular belief, the high school administrators and some of the office staff work all summer long to ensure a smooth opening in the fall.

One of the major activities over the summer is preparing and finalizing the Master Student and Teacher Schedule.

John Williams, principal at the high school, stated that students will have an opportunity to correct any problems with their schedules during the week of Aug. 25, similar to the procedure that was used last summer. He stated that there has been some difficulty with the computer program this summer so preparations are a bit behind schedule but seem to be okay now.

Within the next couple of weeks, students will receive a copy of their schedule in the mail and those with problems can be taken care of the week of Aug. 25. Students who simply wish to try to make a change will have to wait until school starts.

Preparations are also being made in the maintenance and cleaning areas around the school, all instructional supplies and textbooks and equipment have been ordered and all preparations are well under way.



THE ANGELS, front row from left: Ryan Ludwig, Jesse Mahken, Tom Collins, Sean Perkins. Back row from left: Jesse Mahken, Eric Freilich, Kent Young, Evan Knott, Jesse Petty. Coached by David Collins, left, and Tom Ludwig.

Faith Lutheran Church Vacation Bible School

Faith Lutheran church will be holding its annual Vacation Bible School next week, Aug. 4-8, from 9:00-11:45 a.m.

This year, the theme will be "Jesus Is the Way."

There will be Bible lessons, singing, art projects and refreshments.

Children ages 4 through 12 are

welcome, especially those who do not have a church of their own.

Faith Lutheran is located at 9575 North Territorial Rd., approximately one quarter mile west of Dexter-Pinckney Rd.

There is no registration fee. Any questions may be addressed to the pastor, the Rev. Mark Porinsky, at 435-8442.

Take this to heart

Have your blood pressure checked.

AMERICAN HEART ASSOCIATION

Sharon Glassford Receives U. of M. Degree June 27

A 1983 Chelsea High school graduate has received a bachelor of science degree in industrial and operations engineering from the University of Michigan.

Sharon Sybil Glassford, daughter of Mr. and Mrs. Frederick Glassford, 13123 Island Lake Rd., participated in spring commencement exercises May 3 and completed spring-term courses June 27.

She finished her course of study in just three years, noted her mother.

Sharon maintained a 3.5 grade point average and was named to the dean's list five times. She was elected to membership in Tau Beta Pi, the national engineering honor society, and to Alpha Pi Mu, the national industrial engineering honor society.

She also was a member of the university's Engineering Council, the Society of Women Engineers and the Institute of Industrial Engineering.

She has accepted a position as associate industrial engineer in sales operations with Frito-Lay.

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Choose from 8, 10 and 12 h.p. models

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MAGNAVOX 13" color TV w/remote.. \$239

Model RF8505AK
MAGNAVOX 37" WIDESCREEN TV..\$1,599

Model CF4700AK
MAGNAVOX 25" CONSOLE.....\$479

Model ML-40
AMANA TOUCH CONTROL MICROWAVE..\$188

Litton Over-the-Range Microwaves

Display Models—Below Dealer Cost!

No. 110
Little Litton Microwaves.. from \$148

Reg. \$19.95
GE Griddle.....Only \$10

FREE ICE MAKER—\$100 Value
On Selected GE Refrigerators!!
MANY OTHER BARGAINS

SPECIAL CLEARANCE PRICES
On Selected Appliances-TV's-Stereos-Radios

All items limited to stock
Shop Early for Best Selection

HEYDLAUFF'S

113 N. MAIN ST. CHELSEA

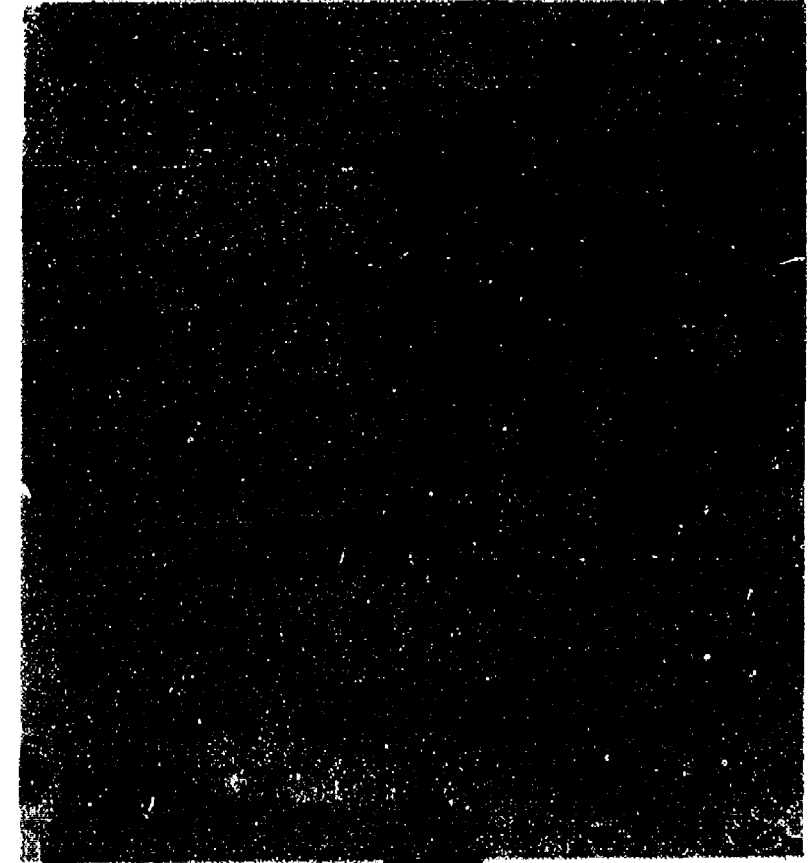
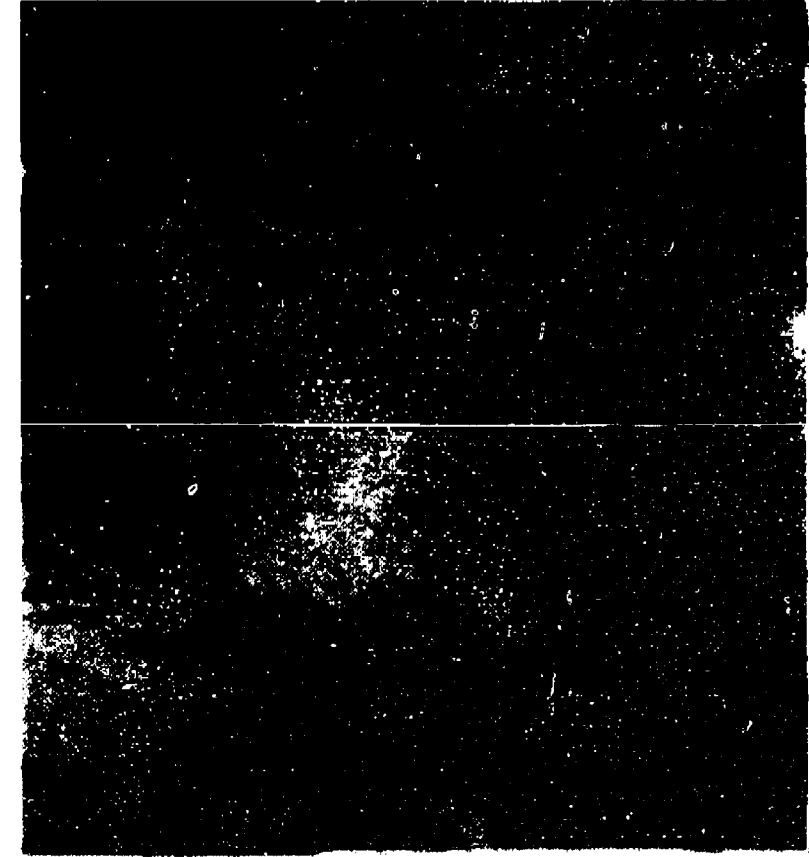
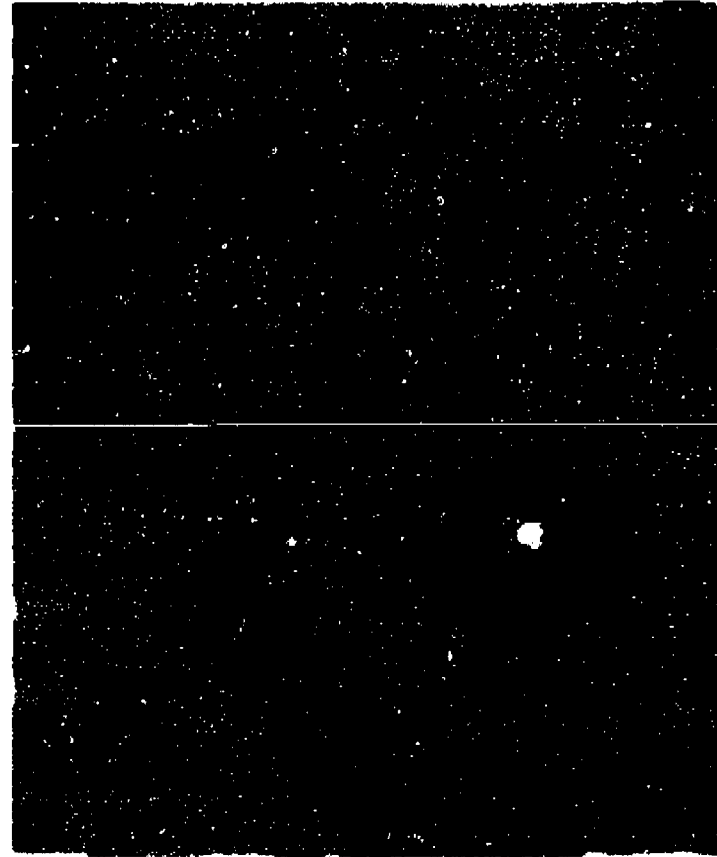
PH. 475-1221

Open Monday evening until 7:30, Tuesday through Friday until 5:30, Saturday until 4

WASHTENAW COMMUNITY COLLEGE FALL 1986 TIME SCHEDULE

Volume 15 - Number 4

August 1986

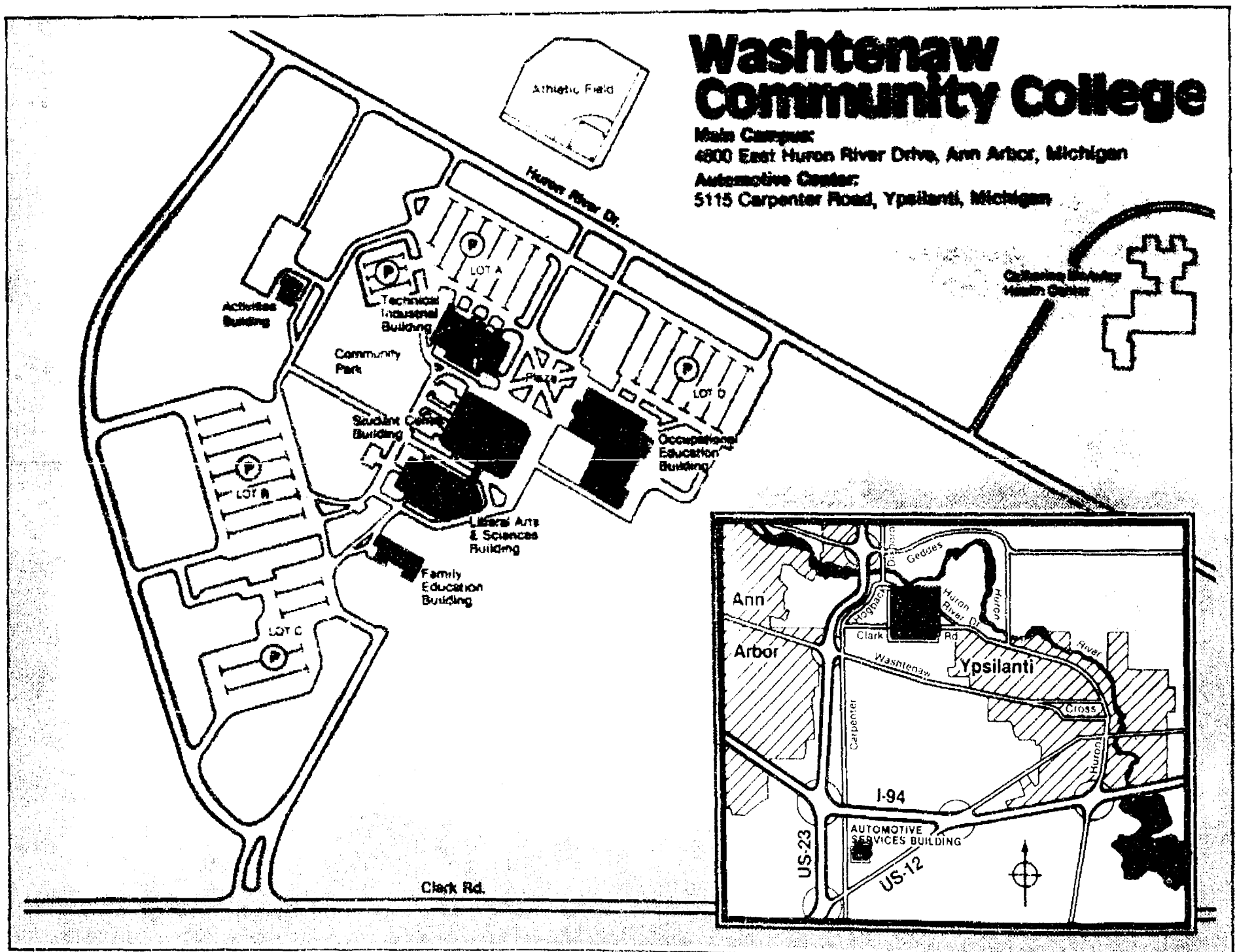


Getting Started at WCC...

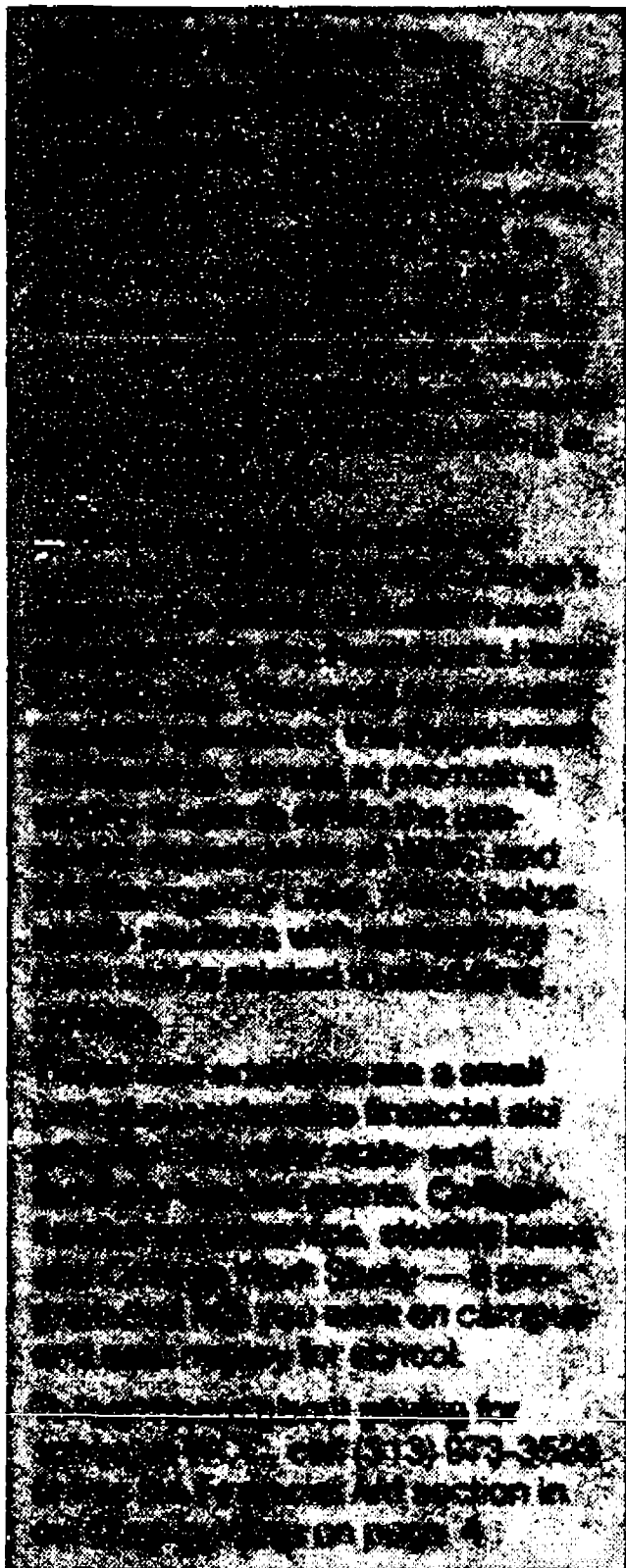
For tomorrow, start today...by looking through this Time Schedule, giving us a call or stopping by the campus at 4800 E. Huron River Drive, just west of Catherine McAuley Health Center and just east of US-23.

If you plan to attend WCC and know what you want, this schedule will give you needed information for starting the wheels in motion. If you don't know what you want or weren't planning on school right now, flip through the pages anyway. Chances are we have a place for you at WCC.

Call helpful staff at (313) 973-3300 for information.



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A Look at Our 'Typical' Student

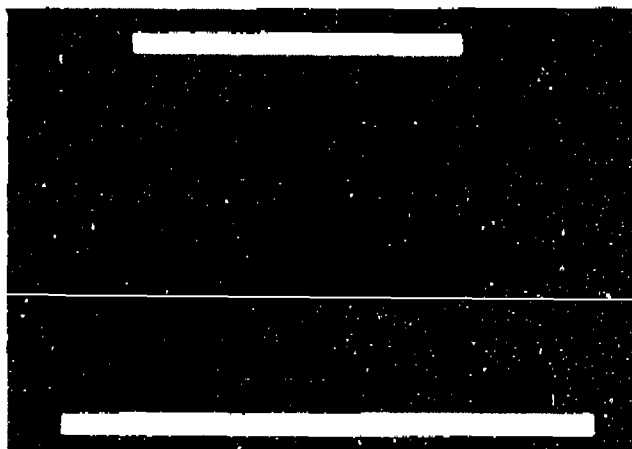
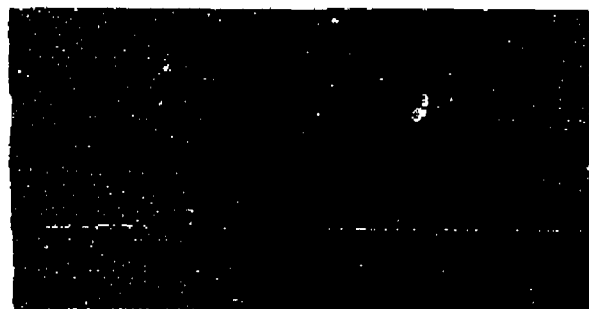
National trends in higher education show that more older adults are going to college — some for the first time, others to further their education or change careers. The trend can be seen on our campus, too. The average age here is 27.

But putting all students at WCC in a single category would be unfair. At Washtenaw, the "older student" is just the beginning.

WCC has many students who come straight out of high school and work toward two-year Associate's or General Studies Degrees. Some take those degrees into the job marketplace. Others will transfer to a four-year school and go for a bachelor's degree.

While the ages and backgrounds of WCC students vary, one common thread runs throughout our student body: work. Students of all ages juggle jobs, classes and families. In fact, about two-thirds who filled out a recent survey said they worked while attending school; over half of those work full-time.

At the other end of the spectrum are WCC's "senior students" — retired citizens who take advantage of our policy that lets senior citizens in Washtenaw County take classes for free.



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Special Services Common at WCC

There is more to attending college than lectures, note-taking and exams. Offices like Career Development, Adult Resources and the Counseling Center help smooth some of the rough edges that come with going to college. Personal advice, drop-in counseling, help with academic and personal needs and assistance with setting up a schedule of classes are some of the services available to you, free of charge.

WCC also has a Math Center, Veterans Services, Tutoring and the Special Needs Office, where handicapped and limited English-speaking students receive assistance vital to their success in school.



There are many other services that can be explored with a visit to campus.

Extension Centers Bring College Home to You

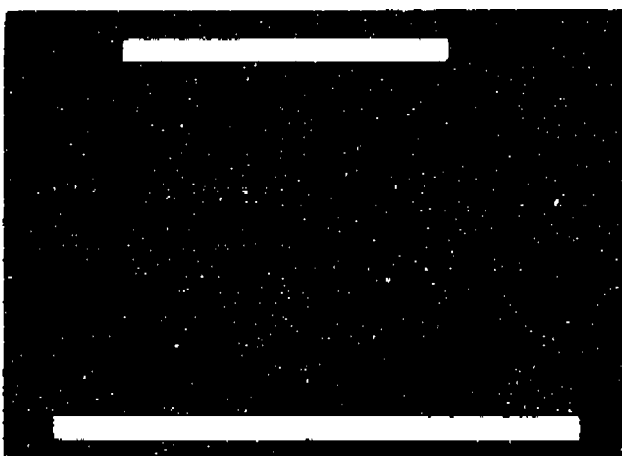
Wouldn't it be nice to have college come to you for a change? At WCC, it does. The College's Extension Centers offer courses in the high schools of Brighton, Chelsea, Dexter and Saline; in various locations in Ann Arbor (including Briarwood Mall) and in the Ypsilanti Community Center Building. To find out when and where these courses are offered, turn to page 7 of this Time Schedule or call (313) 973-3408.

Learning Labs: Places To Call Your Own

Support systems are often the determining factor when it comes to succeeding in school. Services like counseling and advising are vital, but students also need places to call their own — learning labs where they can complete homework and sharpen their skills with up-to-date equipment.

Learning labs, such as the Writing Lab, Math Center, Reading Center, Language Lab and Microcomputer Lab, provide WCC students with specialized study areas. The IBM lab in the Technical and Industrial Building is busy with students working on class assignments while the Learning Resource Center's Micro Lab is open to anyone who wants to use the Apples, Commodores and a Hewlett-Packard for functions such as word processing and graphics.

For students taking science courses, fully-equipped labs are open at convenient hours. Students studying computer-aided design have a specialized lab, too, while other programs provide similar services.



WASHTENAW COMMUNITY COLLEGE TELEPHONE ASSISTANCE

Switchboard (General Information)	(313) 973-3300
Admissions (Enrollment Services)	973-3543
Adult Resource Center	973-3528
Automotive Center	434-1555
Bookstore (Ulrich's)	973-3594
Career Development Center	973-3558
Children's Center	973-3538
Continuing Education Services	973-3493
Counseling Center	973-3464
Emeritus Program	973-3526
Extension/Evening/Weekend Programs	973-3408
Financial Aids Office (Enrollment Services)	973-3524
General Information	973-3300
Information Center (College Events, Resources)	973-3622
Learning Resource Center (Library)	973-3429
Office of Cooperative Education	973-3656
Registration	973-3548
Registration Information Tape	
(Daily Hours and General Information)	973-3650
Technical Job Training Programs	
(Apprenticeship and Trade Related Programs)	973-3533
Telecourse Hotline	973-3671
Telephone Registration	973-3100
Veteran's Counseling	973-3481

WCC and Local Business

WCC is called a community college because it draws support from the community that surrounds it. So it's only natural that the College provides local citizens and business with educational support.

Business and Industry Services

This program specializes in employee training. Employers who are expanding their operations can turn to this office for programs that train new workers or retrain current staff to fill new jobs. The office also establishes programs to train employees on new equipment and to retrain employees who might otherwise be laid off.

The courses, workshops and seminars are offered on campus and at the business or industrial site. One example of this is the recent opening of a Cooperative Training Center at the Ford Plant in Ypsilanti. Others include training for autoworkers in blueprint reading, tolerances, and automotive electrical component identification.

For more information, call
(313) 973-3533.

Continuing Education

One of the hallmarks of the community college system is continuing education — one way the College extends its services to business, industry, labor and the community.

Continuing Education is ideal for those who missed out on college earlier in their lives but now feel they need a class or two in order to sharpen skills or widen their knowledge. It's also useful for professionals who wish to learn new management techniques, for example, or for employers who turn to WCC for customized employee training.

Continuing Education's offerings run the gamut from personalized courses in office professionalism, small business management, managing conflict in the workplace or becoming a better communicator to company-wide training in finance, management, supervisory skills and employee motivation.

For more information, call
(313) 973-3493.

WCC Calendar

FALL SEMESTER, 1986

August 4-8	Telephone registration for continuing students — weekday hours are 8:30 a.m. to 8:00 p.m. except on August 8, when the hours will be 8:30 a.m. to 4:00 p.m.
August 4-13	Payment period for telephone registration — weekday hours are 8:30 a.m. to 4:00 p.m. except on August 7, 11 and 13, when the hours will be 8:30 a.m. to 8:00 p.m.
August 11-15	Orientation sessions for new students who applied for admission by July 15. For information, call 973-3464.
August 16-29	Orientation sessions open to all new students. For information, call 973-3464.
August 18-29	On-campus registration — weekday hours are 8:30 a.m. to 8:00 p.m. except on August 22, 25, 26, 27 and 29, when the hours will be 8:30 a.m. to 4:00 p.m.
September 2	All faculty report
September 3	Fall classes begin
September 3-9	Orientation sessions for all new students. For information, call 973-3464.
September 3-9	On-campus late registration, drop/add period — weekday hours are 8:30 a.m. to 8:00 p.m. except on September 5, when the hours will be 8:30 a.m. to 4:00 p.m.
November 10	Veterans' Day holiday — College closed
November 27-30	Thanksgiving holiday — College closed
December 18	Fall classes end

WINTER SEMESTER, 1987

December 1	Registration begins (tentative date)
January 12	Winter classes begin
January 12-16	On-campus late registration, drop/add period
February 26-March 2	Winter recess
March 3	Classes resume
April 17	Good Friday holiday — College closed
May 1	Winter classes end

Kids Have Special Place at WCC

The Children's Center follows the WCC academic schedule and is open Fall, Winter, Spring and Summer semesters. The hours are 7:30 a.m. to 5:30 p.m. Monday through Friday.

Children can attend the Center in one of four programs — Toddler (18 months to 2½ years), Preschool (2½ to 4 years), Preprimary (4 to 5 years) and Summer Recreation (1½ to 9 years). When registering a child for any of the programs, follow these guidelines:

1. Registration for the Center follows class registration schedules. A dated waiting list will be kept when specific rooms have closed to enrollment.
2. Each parent must pay a \$6 non-refundable registration fee at the Cashier's Office, second floor of the Student Center Building. This enables you to get enrollment packets for each child. You have

to complete these, with information from your finalized College registration, and return to the Center 24 hours before the child's first day of attendance. A space for your child will be reserved after the completed forms are returned to the Center and a bill has been prepared for you.

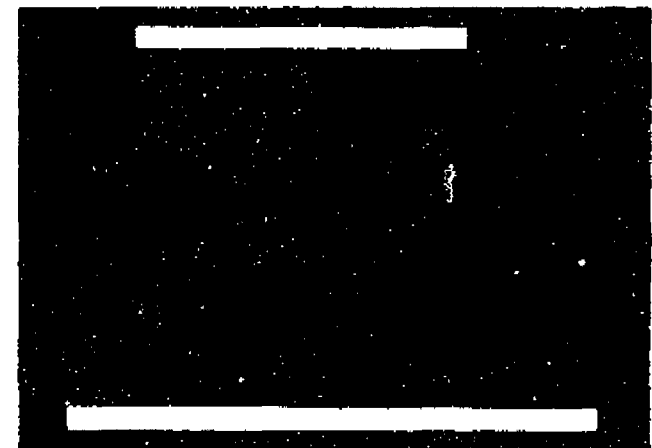
3. Hourly fees are charged based on the age of the child and family income. The fees are computed by semester and divided into four equal payments. The first payment is due before the child attends the Center. You can get copies of the fee scale and payments procedure from the Center office or the College Information Center, second floor of the Student Center Building.
4. Children attending the Center must attend at least two hours each time they attend, at least two days a week and a minimum of six hours per week.

For more information, call (313) 973-3538.

TV Courses: You're Closer to College Than You Think

The whole idea behind the community college is accessibility. It's an idea taken very seriously at WCC. For proof, turn on your television. Our telecourses are graded and worth credit hours just like others at the College. But you can fit them into *your* schedule since the specially-produced films and documentaries are offered at various times.

To learn more about the career flexibility and convenience of telecourses, turn to page 64. Or call (313) 973-3671.



Board of Trustees

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WCC STEP-BY-STEP

1

ADMISSIONS — Taking the first step

To get started, you must fill out an admissions application at Enrollment Services. Anyone who has graduated from high school or is 18 years of age may be admitted to Washtenaw Community College. When you complete the application, you must pay a \$10, non-refundable application fee. Enrollment Services is located in 221 Student Center Building. Phone (313) 973-3543.

2

TUITION, FEES AND FINANCIAL AID — Making college affordable

When you fill out an application for admission, you'll receive a financial aid application and information about WCC's financial aid program. If you want to receive consideration for financial aid, for future reference follow these deadlines when you fill out applications:

Fall semester: June 1 **Winter semester:** November 1 **Spring/Summer:** March 1

For the purpose of administering tuition charges, students enrolling at WCC are classified in-district, out-district or out-of-state/country.

Tuition (Per Credit Hour)

In-district — \$29 Out-district — \$46 Out-state/country — \$60

NOTE See the "Tuition Assessment" grid on page 6 to quickly determine tuition costs.

Fees

There is a non-refundable \$10 application fee, a \$5 fee for late registration and a \$10 processing fee for students who are registered but withdraw prior to the first day of school.

Returned check fee:

According to new College policy, checks returned by the bank for any reason will be assessed a \$15 fee.

Have a question about Financial Aid? Contact Financial Aid in Enrollment Services, Room 221 Student Center Building, or call (313) 973-3523.

3

ACADEMIC ADVISING/COUNSELING — Helping ensure your success

If you're a little confused about what courses to select or what programs are available here, see one of our counselors. It's the best way to explore your options. The counselors can be found in room 227 of the Student Center Building. Phone (313) 973-3464.

4

ORIENTATION — A step in the right direction

If you're attending WCC for the first time, you're required to attend orientation. We think orientation is a good idea because it gets you started in the right direction. A good example of this is the ASSET assessment program. This gives you information on your skills in math, English and reading, which helps you choose classes that meet your needs.

Orientation also gives you information about your new school, takes you on a campus tour, provides academic advising and information on topics like study skills and time management — all designed to enhance your opportunities for success.

To find out when orientation is available and if it's required that you attend, please turn to page 6 and see "Orientation Schedule and Exemptions."

5

REGISTRATION — WCC makes it easy

If you're registering for classes for the first time, follow these steps. (If you're attending WCC and plan to continue next semester, you might consider telephone registration).

1. Check the schedule posted in the registration area for cancelled, closed or added classes and for changes made after this time schedule was printed.
2. Have your registration form filled out and signed by your counselor or advisor. Remember, you are responsible for classes taken without a counselor or advisor's signature.
3. Present your Permit to Register and Registration Form at Station 1 in the Registration area during the appropriate registration dates (See registration schedule). A note about Permits: These are required on the first day of on-campus registration.
4. You must pay all your tuition when you register unless you're getting financial aid. In that case, you'll be directed to financial aid, then to the cashier window.
5. After you pay, you'll receive a validated ID card and a copy of your schedule. This happens at Station 5. **IMPORTANT:** when you register, you'll get a card for each class you sign up for. You are not officially registered until those cards are turned in at the station **AFTER** the cashier.

The Registrar's office is located in 223 Student Center Building. Phone (313) 973-3548.

WALK-IN REGISTRATION SCHEDULE

Fall Semester: August 18-29, 8:30 a.m. to 8 p.m. except on **August 22, 25, 26, 27** and **29**, when hours will be 8:30 a.m. to 4 p.m.

Late Registration on Campus: The late registration and drop/add period will be **September 3-9**, with weekday hours 8:30 a.m. to 8 p.m. except on **September 5**, when the hours will be 8:30 a.m. to 4 p.m.

TELEPHONE REGISTRATION

(313) 973-3100 — Continuing Students

(313) 973-3533 — Industrial Apprentices and Trainees

Fall Semester: August 4-8, with weekday hours 8:30 a.m. to 8 p.m. except on **August 8**, when the hours will be 8:30 a.m. to 4 p.m.

If you are currently enrolled and plan to continue this semester, follow these steps for phone registration:

1. Have your social security number ready.
2. Have ready the correct course, department number, title, days and hours the course will meet.
3. When you call and select your classes the operator will tell you what your tuition will cost. Your payment is due, in full, within **five calendar days** after you register. If the payment isn't received by then, your registration for those classes will be cancelled.
4. When your payment is received, a copy of your class schedule and a validated ID card will be mailed to you.

6

ADDING/DROPPING COURSES — WCC allows for flexibility

You should discuss class changes with your instructor or counselor before taking any action.

To Add a Course:

1. You can add a course during the first five class days of the semester in Fall and Winter. In the Spring/Summer semester, you're allowed to add during the first three class days.
2. Pick up an Add Card from Registration, get all the appropriate signatures on it and report to the Late Registration Area.
3. When first attending the added class, you must present the validated copy of the Add Card to the instructor. This proves that you've registered for the class.

To Drop a Course:

1. You can drop a course anytime before the semester starts and during regular registration.
2. Drops also can be processed starting the first week of the semester — but these are subject to the College's refund policy.

Remember: you are not registered in or dropped from a course until the appropriate card is accepted at the Registrar's office. If you're not sure which cards you need, ask!

REFUNDS: All refunds are calculated based on total tuition assessed and *must be initiated by the student*, including refunds for cancelled classes and all residency changes. In the case of an official withdrawal during the 100 percent refund period, a \$10 processing fee will be charged.

Refund deadlines:

- 100% — September 9
- 75% — September 19
- 50% — October 1

Exceptions to this are classes cancelled by the College and cases where an instructor shifts the student to a higher or lower level of class (i.e., mathematics, English, reading).

WITHDRAWALS

If you find yourself with no choice but to withdraw during the semester, start the process in the Counseling Office, located in Student Center Building Room 227.

The withdrawal procedure will not take place automatically if you leave campus because you or a family member is ill or injured. To guard against any misunderstanding, go to the Counseling Center first — it's your safest bet.

ORIENTATION SCHEDULE AND EXEMPTIONS

Orientation is offered at various times during the day and evening. Check below for dates and times that meet your schedule, then make sure you call (313) 973-3464 and reserve a space.

SCHEDULE

August

- 12** — 8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.
- 13** — 8-11:30 a.m.
noon-3:30 p.m.
6-9:30 p.m.
- 14** — 8-11:30 a.m.
noon-3:30 p.m.
*4-7:30 p.m.
- 15** — 8-11:30 a.m.
noon-3:30 p.m.
- 16** — 9 a.m.-noon
- 18** — 8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.
- 19** — 8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.
- 20** — *8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.
- 21** — 8-11:30 a.m.
noon-3:30 p.m.
6-9 p.m.
- 22** — 8-11:30 a.m.
noon-3:30 p.m.

- 25** — 8-11:30 a.m.
noon-3:30 p.m.
- 26** — 8-11:30 a.m.
noon-3:30 p.m.
- 27** — 8-11:30 a.m.
noon-3:30 p.m.
*4-7:30 p.m.
- 28** — 8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.
- 29** — 8-11:30 a.m.
noon-3:30 p.m.

September

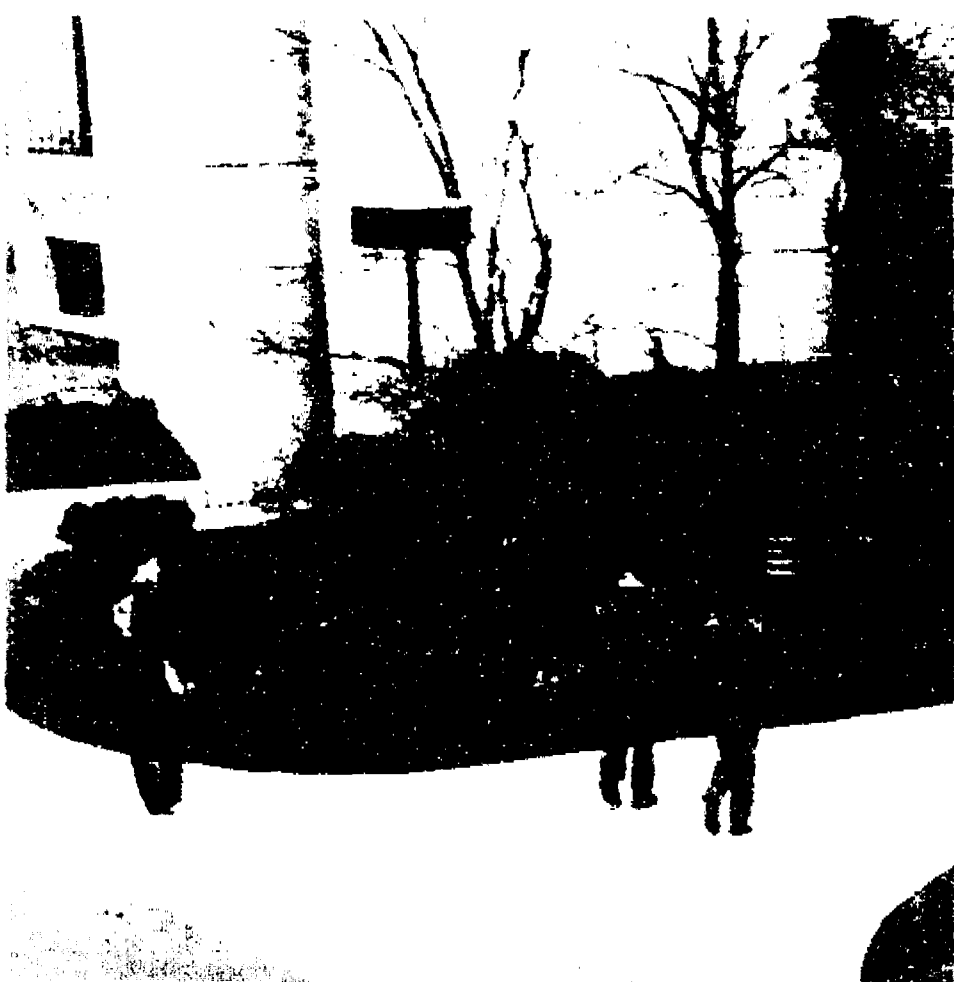
- 3** — 8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.
- 4** — 8-11:30 a.m.
*noon-3:30 p.m.
4-7:30 p.m.
- 5** — 8-11:30 a.m.
noon-3:30 p.m.
- 8** — 8-11:30 a.m.
noon-3:30 p.m.
- 9** — 8-11:30 a.m.
noon-3:30 p.m.
4-7:30 p.m.

*These sessions are for non-native speakers only.

EXEMPTIONS

The following people are exempt from attending New Student Orientation:

- students who have accumulated 10 or more credit hours of college course work with a grade of "C" or above (excluding physical education courses). **BRING A TRANSCRIPT FOR VERIFICATION.**
- students taking non-credit classes or credit activity classes
- emeritus students
- students officially admitted to one of WCC's health occupation programs
- persons enrolling in apprenticeship or pre-apprenticeship training only
- guest students from other colleges (use guest student application obtained from and approved by college personnel at your institution)
- persons who can verify that they attended a previous semester's orientation at WCC but didn't register that semester
- physically handicapped students who need readers or writers as assistants (contact Special Needs Office at (313) 973-3342)
- WCC staff (bring WCC employee identification card)
- students enrolling at WCC Extension Centers (Ann Arbor "Y," Brighton Area Center, Chelsea, Dexter, Saline or Ypsilanti Community Center)



Tuition Assessment

CREDIT HOURS	IN-DISTRICT	OUT-DISTRICT	OUT-STATE/COUNTRY
1	\$ 29.00	\$ 46.00	\$ 60.00
2	58.00	92.00	120.00
3	87.00	138.00	180.00
4	116.00	184.00	240.00
5	145.00	230.00	300.00
6	174.00	276.00	360.00
7	203.00	322.00	420.00
8	232.00	368.00	480.00
9	261.00	414.00	540.00
10	290.00	460.00	600.00
11	319.00	506.00	660.00
12	348.00	552.00	720.00
13	377.00	598.00	780.00
14	406.00	644.00	840.00
15	435.00	690.00	900.00
16	464.00	736.00	960.00
17	493.00	782.00	1,020.00
18	522.00	828.00	1,080.00

NOTE: MasterCard and VISA will be accepted during the registration period for current tuition assessment.

WCC Extension Centers Bring College Closer to Home

BRIGHTON AREA CENTER (229-5000, ext. 128)

WCC offers associate degree programs in management and accounting at its Brighton Area Center, located at the Miller Community Center, 850 Spencer Road (next to Scranton Middle School). As part of a community scholarship the College will assess tuition at \$36 per credit hour for Livingston County residents attending the Brighton Area Center.

The Fall 1986 Semester begins September 3 and finishes December 18. Textbooks, when available, can be purchased at Poor Richard's Bookshoppe, 202 W. Main Street. Or you can purchase books at the main campus in Ann Arbor. Just stop by the WCC Bookstore in room 142 of the Student Center Building.

BRIGHTON AREA CENTER REGISTRATION August 12, 18 and 27 — 5:30 to 8:30 p.m. (Miller Community Center, 850 Spencer Road)

Advising and financial aid services will be available on these registration dates. If you are a continuing student (one who attended Winter or Spring/Summer 1986 semesters) turn to page for information about telephone registration. For more information contact the Brighton Area Center's Community Education Specialist, Bill Lymangrover, at 229-5000.

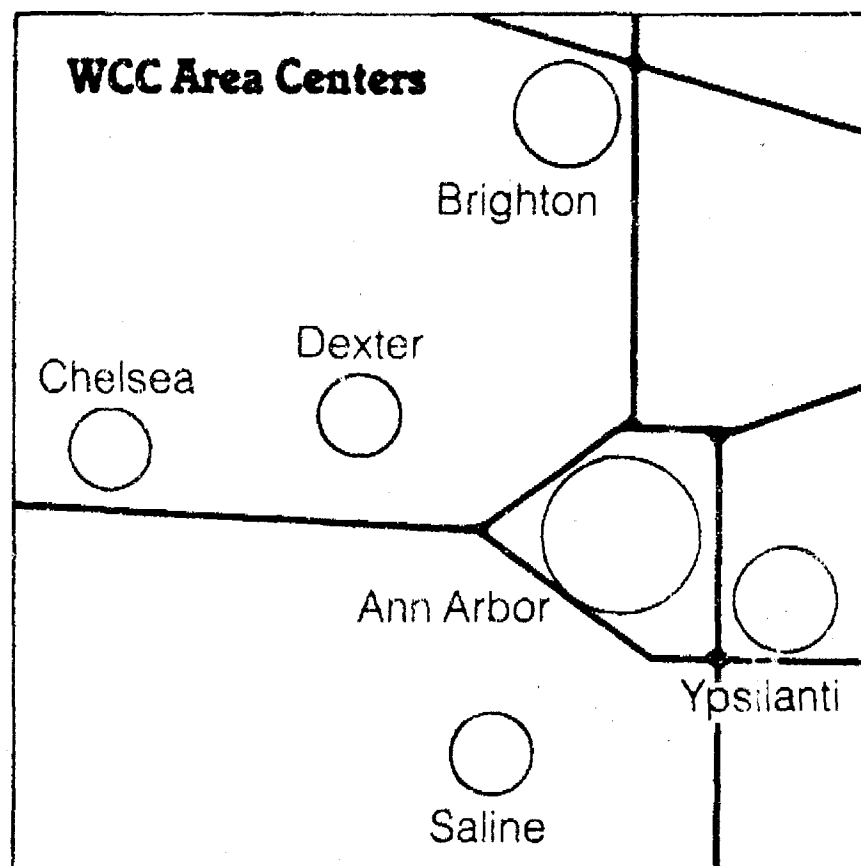
WASHTENAW COUNTY EXTENSION CENTERS (313-973-3408)

WCC offers a variety of credit courses in local communities in cooperation with high schools and other institutions. These sites include Ann Arbor (Ann Arbor 'Y' and Briarwood Mall), Ypsilanti (Community Center Building) and the high schools in Chelsea, Dexter and Saline.

We suggest you register for these classes in one of three ways:

1. On-campus registration (see page).
2. Telephone registration (see page).
3. Off-campus registration on **Wednesday, August 27**, from 7-9 p.m. at each extension center.

A minimum of 12 students is required for each class. The determination of whether a class will be continued or cancelled will be made on the night of August 27, based on the number of enrollees.



Key to Building and Center Abbreviations in this Schedule

Off-Campus Centers

AAV	Ann Arbor "Y"
BRIAR	Briarwood Shopping Mall
BRIGHT	Brighton High School
CHELS	Chelsea High School
DEXTR	Dexter High School
SALNE	Saline High School
YPER	Ypsilanti Community Center Building

On-Campus Buildings

AC	Activities Building
AS	Automotive Service Center
FE	Family Education Building
LA	Liberal Arts and Science Building
OE	Occupational Education Building
SC	Student Center Building
TI	Technical and Industrial Building

Days of the week

M	Monday
T	Tuesday
W	Wednesday
R	Thursday
F	Friday
S	Saturday

CREDIT CLASSES IN AREA CENTERS

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
ANN ARBOR "Y" 350 S. Fifth Avenue								
210	CHILDREN'S ART		3	263	T	700-1000PM	AAV	CROAKE E
270	CREATIVE WRITING		3	263	M	700-1000PM	AAV	
120	BEG CONV FRENCH		2	263	M	700- 900PM	AAV	
090	GENERAL PHOTO		2	263	W	700-1000PM	AAV	JOHNSON R
109	PSY M/LIFE CAREERS		2	263	R	700- 900PM	AAV	PLUMMER R
101	INTER CONV SPANISH	SPN 120 OR EQU	2	263	T	630- 830PM	AAV	BREDERMAN R
114	ASSERT TRAIN WOMEN		3	263	R	700-1000PM	AAV	BAKER S

BRIGHTON AREA CENTER (Miller Community Center, 850 Spencer Road)

111	PRIN OF ACCOUNTING	MTH 163 167	3	089	M	600- 800PM	BRIGHT	
210	INTERMEDIATE ACCTG	ACC 122	3	089	W	600- 800PM	BRIGHT	
140	RELIGIONS OF WORLD		3	089	W	700-1000PM	BRIGHT	
100	BULEPRINT READING		2	089	T	600- 800PM	BRIGHT	TERRY G
111	BUSINESS LAW		3	089	T	700-1000PM	BRIGHT	
140	INTRO TO BUSINESS		3	089	R	600- 800PM	BRIGHT	
207	BUS COMMUNICATION		3	089	M	700-1000PM	BRIGHT	
101	CHILD DEVELOPMENT		3	089	R	700-1000PM	BRIGHT	
100	INTRO TO COMP		3	089	R	700-1000PM	BRIGHT	
					S	900-1200	BRIGHT	
211	COMPUTER CONCEPTS	MEETS 15 WEEKS	3	089	M W	700-1000PM	BRIGHT	
211	PRINCIPLES OF ECON		3	089	T	700-1000PM	BRIGHT	
100	INTRO TELECOMM		3	089	T	600- 900PM	BRIGHT	
111	COMPOSITION I		4	089	W	600-1000PM	BRIGHT	
270	CREATIVE WRITING		3	089	W	600- 800PM	BRIGHT	MINOCK D
271	CREATIVE WRITING II	ENG 270	3	089	W	600- 900PM	BRIGHT	MINOCK D
201	US 1500 TO 1865		3	089	M	700-1000PM	BRIGHT	SMAIL M
100	TECHNICAL DRAWING		4	089	M W	600- 900PM	BRIGHT	
121	ROBOTICS INTRO		3	089	R	600-1000PM	BRIGHT	BOURGET D
160	PRIN OF SALES	BUS 140	3	089	R	700-1000PM	BRIGHT	
039	BASIC MATHEMATICS		3	089	T	630- 830PM	BRIGHT	STEELE A
039	BASIC MATHEMATICS		3	090	W	630- 830PM	BRIGHT	STEELE A
090	OCOUR MATH	MTH 039	3	089	T	630- 830PM	BRIGHT	STEELE A
090	OCOUR MATH	MTH 039	3	090	W	630- 830PM	BRIGHT	STEELE A
097	INTRO ALGEBRA	MTH 039	3	089	T	630- 830PM	BRIGHT	STEELE A
097	INTRO ALGEBRA	MTH 039	3	090	W	630- 830PM	BRIGHT	STEELE A
097	INTRO ALGEBRA	MTH 097A	3	089	T	630- 830PM	BRIGHT	STEELE A
097	INTRO ALGEBRA	MTH 097A	3	090	W	630- 830PM	BRIGHT	STEELE A
160	BUSINESS MATH	MTH 039	3	089	T	630- 830PM	BRIGHT	STEELE A
160	BUSINESS MATH	MTH 039	3	090	W	630- 830PM	BRIGHT	STEELE A
169	INTERMEDIATE ALG	MTH 097	3	089	T	630- 830PM	BRIGHT	STEELE A
169	INTERMEDIATE ALG	MTH 097	3	090	W	630- 830PM	BRIGHT	STEELE A
169	INTERMEDIATE ALG	MTH 169A	3	089	T	630- 830PM	BRIGHT	STEELE A
169	INTERMEDIATE ALG	MTH 169A	3	090	W	630- 830PM	BRIGHT	STEELE A
177	TRIANGLE TRG	MTH 097	3	089	T	530- 830PM	BRIGHT	STEELE A
177	TRIANGLE TRG	MTH 097	3	090	W	530- 830PM	BRIGHT	STEELE A
150	STATE AND LOCAL GOV		3	089	R	700-1000PM	BRIGHT	SMAIL M
100	INTRO PSYCHOLOGY		3	089	T	600- 800PM	BRIGHT	KOLLEN M
170	HATED IMPACT PERS		3	089	M	600- 900PM	BRIGHT	ROBERTS A
100	REAL ESTATE PRINCIP		3	089	M	700-1000PM	BRIGHT	
120	BEG CONV SPANISH		2	089	M	700- 900PM	BRIGHT	
114	ASSERT TRAIN WOMEN		3	089	T	700-1000PM	BRIGHT	

BRIARWOOD SHOPPING MALL (Community Room) I-94 at State

211	INTRO TO YOGA		3	060	M	1000- 100PM	BRIAR	WHITEFORD P
111	BUSINESS LAW		3	060	W	600- 800PM	BRIAR	MCNALLY R
140	INTRO TO BUSINESS		3	060	M	600- 800PM	BRIAR	MCNALLY R
207	BUS COMMUNICATION		3	060	S	100- 400PM	BRIAR	
120	BEG CONV FRENCH		2	060	S	1000-1200	BRIAR	
160	PRIN OF SALES	BUS 140	3	060	T	600- 900PM	BRIAR	
222	LOSSES & GRIEVING		3	060	R	1000- 100PM	BRIAR	HUTCHINSON D
120	BEG CONV SPANISH		2	060	W	1000-1200	BRIAR	DOW K

CREDIT CLASSES IN AREA CENTERS (Cont.)

CHELSEA HIGH SCHOOL East Washington Street

111	PRIN OF ACCOUNTING	MTH 183 187	3	055	T	700-1000PM	CHELS	
150	RELIGIONS OF WORLD		3	055	T	700-1000PM	CHELS	
111	BUSINESS LAW		3	055	R	700-1000PM	CHELS	
111	COMPUTER CONCEPTS	MEETS 15 WEEKS	3	055	MT	700-1000PM	CHELS	O'HAGAN A
111	COMPOSITION I	COREQ: ENG 000	4	055	M	800-1000PM	CHELS	
270	CREATIVE WRITING		3	055	R	700-1000PM	CHELS	
208	PRIN OF MANAGEMENT		3	055	W	700-1000PM	CHELS	
039	BASIC MATHEMATICS		3	054	W	830- 930PM	CHELS	MCGILL J
039	BASIC MATHEMATICS		3	055	R	830- 930PM	CHELS	SMITH G
090	OCCUP MATH	MTH 039	3	054	W	830- 930PM	CHELS	MCGILL J
090	OCCUP MATH	MTH 039	3	055	R	830- 930PM	CHELS	SMITH G
097	INTRO ALGEBRA	MTH 039	3	054	W	830- 930PM	CHELS	MCGILL J
097	INTRO ALGEBRA	MTH 039	3	055	R	830- 930PM	CHELS	SMITH G
097	INTRO ALGEBRA	MTH 097A	3	054	W	830- 930PM	CHELS	MCGILL J
097	INTRO ALGEBRA	MTH 097A	3	055	R	830- 930PM	CHELS	SMITH G
183	BUSINESS MATH	MTH 039	3	054	W	830- 930PM	CHELS	MCGILL J
183	BUSINESS MATH	MTH 039	3	055	R	830- 930PM	CHELS	SMITH G
169	INTERMEDIATE ALG	MTH 097	3	054	W	830- 930PM	CHELS	MCGILL J
169	INTERMEDIATE ALG	MTH 097	3	055	R	830- 930PM	CHELS	SMITH K
169	INTERMEDIATE ALG	MTH 169A	3	054	W	830- 930PM	CHELS	MCGILL J
169	INTERMEDIATE ALG	MTH 169A	3	055	R	830- 930PM	CHELS	SMITH G
177	TRIANGLE TRIG	MTH 097	3	054	W	830- 930PM	CHELS	MCGILL J
177	TRIANGLE TRIG	MTH 097	3	055	R	830- 930PM	CHELS	SMITH G
108	GOV AND SOCIETY		3	055	W	700-1000PM	CHELS	

DEXTER HIGH SCHOOL 2615 Baker Road

101	DRAWING AND PAINTING		3	062	R	700-1000PM	DEXTR	
140	INTRO TO BUSINESS		3	062	T	700-1000PM	DEXTR	
100	INTRO TO COMP		3	062	M W	700-1000PM	DEXTR	
170	INTRODUCTION TO LIT		3	062	W	700-1000PM	DEXTR	
039	BASIC MATHEMATICS		3	062	T	830- 930PM	DEXTR	BATELL M
090	OCCUP MATH	MTH 039	3	062	T	830- 930PM	DEXTR	BATELL M
097	INTRO ALGEBRA	MTH 039	3	062	T	830- 930PM	DEXTR	BATELL M
097	INTRO ALGEBRA	MTH 097A	3	062	T	830- 930PM	DEXTR	BATELL M
183	BUSINESS MATH	MTH 039	3	062	T	830- 930PM	DEXTR	BATELL M
169	INTERMEDIATE ALG	MTH 097	3	062	T	830- 930PM	DEXTR	BATELL M
169	INTERMEDIATE ALG	MTH 169A	3	062	T	830- 930PM	DEXTR	BATELL M
177	TRIANGLE TRIG	MTH 097	3	062	T	830- 930PM	DEXTR	BATELL M
100	INTRO PSYCHOLOGY		3	062	R	700-1000PM	DEXTR	

SALINE HIGH SCHOOL 7190 Maple Road

091	FUND OF ACCOUNTING	MTH 090	3	094	R	700-1000PM	SALNE	
059	CONSUMER CAR CARE	MEETS FIRST SEVEN WEEKS	1	094	W	600-1000PM	SALNE	FISHER S
100	BLUEPRINT READING		2	094	R	700-1000PM	SALNE	TERRY G
140	INTRO TO BUSINESS		3	094	W	700-1000PM	SALNE	
207	BUS COMMUNICATION		3	094	T	700-1000PM	SALNE	
211	PRINCIPLES OF ECON		3	094	R	700-1000PM	SALNE	
170	INTRODUCTION TO LIT		3	094	M	700-1000PM	SALNE	
101	WESTERN CIV TO 1600		3	094	W	700-1000PM	SALNE	
208	PRIN OF MANAGEMENT		3	094	M	700-1000PM	SALNE	
039	BASIC MATHEMATICS		3	093	M	830- 930PM	SALNE	SMITH K
039	BASIC MATHEMATICS		3	094	W	830- 930PM	SALNE	SMITH G
090	OCCUP MATH	MTH 039	3	093	M	830- 930PM	SALNE	SMITH K
090	OCCUP MATH	MTH 039	3	094	W	830- 930PM	SALNE	SMITH G
097	INTRO ALGEBRA	MTH 039	3	093	M	830- 930PM	SALNE	SMITH K
097	INTRO ALGEBRA	MTH 039	3	094	W	830- 930PM	SALNE	SMITH G
097	INTRO ALGEBRA	MTH 097A	3	093	M	830- 930PM	SALNE	SMITH K
097	INTRO ALGEBRA	MTH 097A	3	094	W	830- 930PM	SALNE	SMITH G
183	BUSINESS MATH	MTH 039	3	093	M	830- 930PM	SALNE	SMITH K
183	BUSINESS MATH	MTH 039	3	094	W	830- 930PM	SALNE	SMITH G
169	INTERMEDIATE ALG	MTH 097	3	093	M	830- 930PM	SALNE	SMITH K
169	INTERMEDIATE ALG	MTH 097	3	094	W	830- 930PM	SALNE	SMITH G
169	INTERMEDIATE ALG	MTH 169A	3	093	M	830- 930PM	SALNE	SMITH K
169	INTERMEDIATE ALG	MTH 169A	3	094	W	830- 930PM	SALNE	SMITH G
177	TRIANGLE TRIG	MTH 097	3	093	M	830- 930PM	SALNE	SMITH K
177	TRIANGLE TRIG	MTH 097	3	094	W	830- 930PM	SALNE	SMITH G
108	GOV AND SOCIETY		3	094	T	700-1000PM	SALNE	
100	PRIN OF SOCIOLOGY		3	094	T	700-1000PM	SALNE	

YPSILANTI COMMUNITY CENTER BUILDING 210 West Cross

270	CREATIVE WRITING		3	081	M	700-1000PM	YPSI	
039	BASIC MATHEMATICS		3	081	R	830- 930PM	YPSI	THOMSON B
090	OCCUP MATH	MTH 039	3	081	R	830- 930PM	YPSI	THOMSON B
097	INTRO ALGEBRA	MTH 039	3	081	R	830- 930PM	YPSI	THOMSON B
097	INTRO ALGEBRA	MTH 097A	3	081	R	830- 930PM	YPSI	THOMSON B
183	BUSINESS MATH	MTH 039	3	081	R	830- 930PM	YPSI	THOMSON B
169	INTERMEDIATE ALG	MTH 097	3	081	R	830- 930PM	YPSI	THOMSON B
169	INTERMEDIATE ALG	MTH 169A	3	081	R	830- 930PM	YPSI	THOMSON B
177	TRIANGLE TRIG	MTH 097	3	081	R	830- 930PM	YPSI	THOMSON B
090	GENERAL PHOTO		2	081	W	700-1000PM	YPSI	KELLMAN T

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Times	Room	Instructor
ACCOUNTING (ACC)								
Dept. 41								
001	FUND OF ACCOUNTING	MTH 100	3	001	M W F	8:00-9:00	10A MC	BELLEHE C
			3	002	T R	9:00-10:00PM	204 JA	
			3	003	T R	10:00-11:00PM	204 JA	
			3	004	T R	11:00-12:00PM	204 JA	
			3	005	R	12:00-1:00PM	204 JA	
			3	006	R	1:00-2:00PM	204 JA	
			3	007	R	2:00-3:00PM	204 JA	
			3	008	R	3:00-4:00PM	204 JA	
			3	009	R	4:00-5:00PM	204 JA	
			3	010	R	5:00-6:00PM	204 JA	
			3	011	R	6:00-7:00PM	204 JA	
			3	012	R	7:00-8:00PM	204 JA	
			3	013	R	8:00-9:00PM	204 JA	
			3	014	R	9:00-10:00PM	204 JA	
			3	015	R	10:00-11:00PM	204 JA	
			3	016	R	11:00-12:00PM	204 JA	
			3	017	R	12:00-1:00PM	204 JA	
			3	018	R	1:00-2:00PM	204 JA	
			3	019	R	2:00-3:00PM	204 JA	
			3	020	R	3:00-4:00PM	204 JA	
			3	021	R	4:00-5:00PM	204 JA	
			3	022	R	5:00-6:00PM	204 JA	
			3	023	R	6:00-7:00PM	204 JA	
			3	024	R	7:00-8:00PM	204 JA	
			3	025	R	8:00-9:00PM	204 JA	
			3	026	R	9:00-10:00PM	204 JA	
			3	027	R	10:00-11:00PM	204 JA	
			3	028	R	11:00-12:00PM	204 JA	
			3	029	R	12:00-1:00PM	204 JA	
			3	030	R	1:00-2:00PM	204 JA	
			3	031	R	2:00-3:00PM	204 JA	
			3	032	R	3:00-4:00PM	204 JA	
			3	033	R	4:00-5:00PM	204 JA	
			3	034	R	5:00-6:00PM	204 JA	
			3	035	R	6:00-7:00PM	204 JA	
			3	036	R	7:00-8:00PM	204 JA	
			3	037	R	8:00-9:00PM	204 JA	
			3	038	R	9:00-10:00PM	204 JA	
			3	039	R	10:00-11:00PM	204 JA	
			3	040	R	11:00-12:00PM	204 JA	
			3	041	R	12:00-1:00PM	204 JA	
			3	042	R	1:00-2:00PM	204 JA	
			3	043	R	2:00-3:00PM	204 JA	
			3	044	R	3:00-4:00PM	204 JA	
			3	045	R	4:00-5:00PM	204 JA	
			3	046	R	5:00-6:00PM	204 JA	
			3	047	R	6:00-7:00PM	204 JA	
			3	048	R	7:00-8:00PM	204 JA	
			3	049	R	8:00-9:00PM	204 JA	
			3	050	R	9:00-10:00PM	204 JA	
			3	051	R	10:00-11:00PM	204 JA	
			3	052	R	11:00-12:00PM	204 JA	
			3	053	R	12:00-1:00PM	204 JA	
			3	054	R	1:00-2:00PM	204 JA	
			3	055	R	2:00-3:00PM	204 JA	
			3	056	R	3:00-4:00PM	204 JA	
			3	057	R	4:00-5:00PM	204 JA	
			3	058	R	5:00-6:00PM	204 JA	
			3	059	R	6:00-7:00PM	204 JA	
			3	060	R	7:00-8:00PM	204 JA	
			3	061	R	8:00-9:00PM	204 JA	
			3	062	R	9:00-10:00PM	204 JA	
			3	063	R	10:00-11:00PM	204 JA	
			3	064	R	11:00-12:00PM	204 JA	
			3	065	R	12:00-1:00PM	204 JA	
			3	066	R	1:00-2:00PM	204 JA	
			3	067	R	2:00-3:00PM	204 JA	
			3	068	R	3:00-4:00PM	204 JA	
			3	069	R	4:00-5:00PM	204 JA	
			3	070	R	5:00-6:00PM	204 JA	
			3	071	R	6:00-7:00PM	204 JA	
			3	072	R	7:00-8:00PM	204 JA	
			3	073	R	8:00-9:00PM	204 JA	
			3	074	R	9:00-10:00PM	204 JA	
			3	075	R	10:00-11:00PM	204 JA	
			3	076	R	11:00-12:00PM	204 JA	
			3	077	R	12:00-1:00PM	204 JA	
			3	078	R	1:00-2:00PM	204 JA	
			3	079	R	2:00-3:00PM	204 JA	
			3	080	R	3:00-4:00PM	204 JA	
			3	081	R	4:00-5:00PM	204 JA	
			3	082	R	5:00-6:00PM	204 JA	
			3	083	R	6:00-7:00PM	204 JA	
			3	084	R	7:00-8:00PM	204 JA	
			3	085	R	8:00-9:00PM	204 JA	
			3	086	R	9:00-10:00PM	204 JA	
			3	087	R	10:00-11:00PM	204 JA	
			3	088	R	11:00-12:00PM	204 JA	
			3	089	R	12:00-1:00PM	204 JA	
			3	090	R	1:00-2:00PM	204 JA	
			3	091	R	2:00-3:00PM	204 JA	
			3	092	R	3:00-4:00PM	204 JA	
			3	093	R	4:00-5:00PM	204 JA	
			3	094	R	5:00-6:00PM	204 JA	
			3	095	R	6:00-7:00PM	204 JA	
			3	096	R	7:00-8:00PM	204 JA	
			3	097	R	8:00-9:00PM	204 JA	
			3	098	R	9:00-10:00PM	204 JA	
			3	099	R	10:00-11:00PM	204 JA	
			3	100	R	11:00-12:00PM	204 JA	
			3	101	R	12:00-1:00PM	204 JA	
			3	102	R	1:00-2:00PM	204 JA	
			3	103	R	2:00-3:00PM	204 JA	
			3	104	R	3:00-4:00PM	204 JA	
			3	105	R	4:00-5:00PM	204 JA	
			3	106	R	5:00-6:00PM	204 JA	
			3	107	R	6:00-7:00PM	204 JA	
			3	108	R	7:00-8:00PM	204 JA	
			3	109	R	8:00-9:00PM	204 JA	
			3	110	R	9:00-10:00PM	204 JA	
			3	111	R	10:00-11:00PM	204 JA	
			3	112	R	11:00-12:00PM	204 JA	
			3	113	R	12:00-1:00PM	204 JA	
			3	114	R	1:00-2:00PM	204 JA	
			3	115	R	2:00-3:00PM	204 JA	
			3	116	R	3:00-4:00PM	204 JA	
			3	117	R	4:00-5:00PM	204 JA	
			3	118	R	5:00-6:00PM	204 JA	
			3	119	R	6:00-7:00PM	204 JA	
			3	120	R	7:00-8:00PM	204 JA	
			3	121	R	8:00-9:00PM	204 JA	
			3	122	R	9:00-10:00PM	204 JA	
			3	123	R	10:00-11:00PM	204 JA	
			3	124	R	11:00-12:00PM	204 JA	
			3	125	R	12:00-1:00PM	204 JA	
			3	126	R	1:00-2:00PM	204 JA	
			3	127	R	2:00-3:00PM	204 JA	
			3	128	R	3:00-4:00PM	204 JA	
			3	129	R	4:00-5:00PM	204 JA	
			3	130	R	5:00-6:00PM	204 JA	
			3	131	R	6:00-7:00PM	204 JA	
			3	132	R	7:00-8:00PM	204 JA	
			3	133	R	8:00-9:00PM	204 JA	
			3	134	R	9:00-10:00PM	204 JA	
			3	135	R	10:00-11:00PM	204 JA	
			3	136	R	11:00-12:00PM	204 JA	
			3	137	R	12:00-1:00PM	204 JA	
			3	138	R	1:00-2:00PM	204 JA	
			3	139	R	2:00-3:00PM	204 JA	
			3	140	R	3:00-4:00PM	204 JA	
			3	141	R	4:00-5:00PM	204 JA	
			3	142	R	5:00-6:00PM	204 JA	
			3	143	R	6:00-7:00PM	204 JA	
			3	144	R	7:00-8:00PM	204 JA	
			3	145	R	8:00-9:00PM	204 JA	
			3	146	R	9:00-10:00PM	204 JA	
			3	147	R	10:00-11:00PM	204 JA	
			3	148	R	11:00-12:00PM	204 JA	
			3	149	R	12:00-1:00PM	204 JA	
			3	150	R	1:00-2:00PM	204 JA	
			3	151	R	2:00-3:00PM	204 JA	
			3	152	R	3:00-4:00PM	204 JA	
			3	153	R	4:00-5:00PM	204 JA	
			3	154	R	5:00-6:00PM	204 JA	
			3	155	R	6:00-7:00PM	204 JA	
			3	156	R	7:00-8:00PM	204 JA	
			3	157	R	8:00-9:00PM	204 JA	
			3	158	R	9:00-10:00PM	204 JA	
			3	159	R	10:00-11:00PM	204 JA	
			3	160	R	11:00-12:00PM	204 JA	
			3	161	R	12:00-1:00PM	204 JA	
			3	162	R	1:00-2:00PM	204 JA	
			3	163	R	2:00-3:00PM	204 JA	
			3	164	R	3:00-4:00PM	204 JA	
			3	165	R	4:00-5:00PM	204 JA	
			3	166	R	5:00-6:00PM	204 JA	
			3	167	R	6:00-7:00PM	204 JA	
			3	168	R	7:00-8:00PM	204 JA	
			3	169	R	8:00-9:00PM	204 JA	
			3	170	R	9:00-10:00PM	204 JA	
			3	171	R	10:00-11:00PM	204 JA	
			3	172	R	11:00-12:00PM	204 JA	
			3	173	R	12:00-1:00PM	204 JA	
			3	174	R	1:00-2:00PM	204 JA	
			3	175	R	2:00-3:00PM	204 JA	
			3	176	R	3:00-4:00PM	204 JA	
			3	177	R	4:00-5:00PM	204 JA	
			3	178	R	5:00-6:00PM	204 JA	
			3	179	R	6:00-7:00PM	204 JA	
			3	180	R	7:00-8:00PM	204 JA	
			3	181	R	8:00-9:00PM	204 JA	
			3	182	R	9:00-10:00PM	204 JA	
			3	183	R	10:00-11:00PM	204 JA	
			3	184	R	11:00-12:00PM	204 JA	
			3	185				

Course Number	Title	Prerequisite	Section Cr. Number	Days	Hours	Room	Instructor
AUTO BODY REPAIR (ABR)						Dept. 59	
111	BODY REPAIR FUND		4 001	M W	800- 100PM	ANNEX AS	CAMMET E
			4 002	M W	800-1000PM	ANNEX AS	WALL S
112	AUTO REFINISH FUND		4 001	T R	800- 100PM	ANNEX AS	JORDAN L
			4 002	T R	800-1000PM	ANNEX AS	ROSEBAY J
113	LIGHT BODY SERVICE		1 001	F	800- 100PM	ANNEX AS	JORDAN L
114	APPL AUTO BODY WELD		1 001	F	800- 100PM	ANNEX AS	CAMMET E
123	BODY REPAIR APP	111	4 001	T R	800-1200	ANNEX AS	CAMMET E
			4 002	T R	800-1000PM	ANNEX AS	BOOP C
			4 001	M W	800-1200	ANNEX AS	JORDAN L
124	AUTO REFINISHING	112	4 001	M W	800-1200	ANNEX AS	JORDAN L
			4 002	M W	800-1000PM	ANNEX AS	ROSEBAY J
			4 002	M W	800-1000PM	ANNEX AS	ROSEBAY J
126	FUND FRM/BODY ALIGN		2 001	F	800-1200	ANNEX AS	CAMMET E
130	CUSTOM PAINTING	112	1 001	R	100- 500PM	ANNEX AS	PIKE C
188	STUDY PROBLEMS	CONSENT	1-8 001	...	TO BE ARRANGED	...	JORDAN L
199	ON THE JOB TRAINING	CONSENT	1-8 001	...	TO BE ARRANGED	...	CAMMET E
219	MAJOR REPAIR PROC		4 001	T R	800-1200	ANNEX AS	CAMMET E
			4 002	T R	800-1000PM	ANNEX AS	BOOP C
220	ENAMEL REFIN PRACT	112 AND 124	4 001	M W	800-1200	ANNEX AS	JORDAN L
			4 002	M W	800-1000PM	ANNEX AS	ROSEBAY J
230	SPECIALIZED STUDY	CONSENT	2-8 001	T R	800-1200	ANNEX AS	CAMMET E
			2-8 002	T R	800-1000PM	ANNEX AS	BOOP C
AUTOMOTIVE SERVICE (AS)						Dept. 60	
059	CONSUMER CAR CARE		1 001	S	800-1200	T1L2 AS	
			1 002	T	800-1000PM	T4L1 AS	
			1 003	S	800-1200	T1L1 AS	
			1 004	T	800-1000PM	T3L2 AS	
			1 094	W	800-1000PM	SALNE	FISHER S
NOTE: MEETS FIRST SEVEN WEEKS							
110	AUTO SERVICE FUND		2 001	M	800-1200	T3L1 AS	BARRON K
			2 002	T	100- 500PM	T1L1 AS	
			2 003	M	800-1000PM	T1L1 AS	
111	ENGINES	AS 110	2 001	R	800-1200	T1L1 AS	WEID R
			2 002	T	800-1000PM	T1L1 AS	WEID R
113	MANUAL DRIVE TRAINS	COREQ:AS110	2 001	T	800-1200	T1L1 AS	FISHER S
			2 002	R	800-1000PM	T1L1 AS	FISHER S
116	AUTO ELECTRONICS	PRE/COREQ 110	2 001	F	800-1200	T3L2 AS	MANN J
			2 002	W	800-1000PM	T3L2 AS	MANN J
118	FUEL SYSTEMS	PRE/COREQ 110	2 001	W	800-1200	T3L2 AS	
121	ENGINE REPAIR	AS 111	2 001	R	1100- 300PM	T1L1 AS	BARRON K
124	WHEEL BAL & ALIGN		2 001	W	100- 500PM	T1L1 AS	BARRON K
125	BRAKE SYSTEMS		2 001	W	100- 500PM	T1L2 AS	WEID R
126	ELECTRICAL SYSTEMS	AS 116	2 001	M	100- 500PM	T3L2 AS	MANN J
128	FUEL SYSTEM SERVICE	AS 110	2 001	F	100- 500PM	T3L2 AS	
129	DIAGNOSIS & REPAIR	110,111,113,116	2 001	T	100- 500PM	T3L2 AS	
160	SMALL ENGINE REPAIR		2 001	S	700-1100	T2L1 AS	SCHUSTER W
189	STUDY PROBLEMS	CONSENT	1-8 001	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-6 001	...	TO BE ARRANGED	...	
212	AUTOMATIC TRAN MECH	113	2 001	F	800-1200	T1L1 AS	BARRON K
			2 002	T	800-1000PM	T1L1 AS	BARRON K
214	STEER & SUSPENSION		2 001	W	800-1200	T1L1 AS	FISHER S
215	BRAKE SYSTEM SRVC	AS 125	2 001	M	800-1200	T1L2 AS	WEID R
			2 002	W	800-1000PM	T1L1 AS	
216	ELECTRICAL CIRCUITS	AS 126	2 001	T	800-1200	T3L2 AS	MANN J
			2 002	R	800-1000PM	T3L2 AS	
218	ENGINE PERFORM DIAG	AS110,111,116	2 001	R	800-1200	T3L2 AS	BOGUE R
			2 002	M	800-1000PM	T3L2 AS	BOGUE R
BIOLOGY (BIO)						Dept. 27	
101	CONCEPTS OF BIOLOGY		4 001	M W F	1000-1100	305 LA	STRAYER J
				T	900-1200	307 LA	
			4 002	M W F	1000-1100	305 LA	STRAYER J
				R	900-1200	307 LA	
			4 003	M W F	1100-1200	305 LA	NIEHAUS P
				W	800-1100	307 LA	
			4 004	M W F	100- 200PM	L2 LA	STRAYER J
				T	100- 400PM	307 LA	
			4 005	M W F	100- 200PM	L2 LA	STRAYER J
				R	1230- 330PM	307 LA	
			4 006	T R	530- 700PM	L2 LA	SHULL J
				T	700-1000PM	307 LA	
102	HUMAN BIOLOGY		4 001	T R	1100-1230PM	L2 LA	DAVENPORT J
				T	800-1100	301 LA	
			4 002	T R	1100-1230PM	L2 LA	DAVENPORT J
				T	100- 400PM	301 LA	
111	ANATOMY/PHYSIOLOGY		5 001	T R	1000-1200	L3 LA	GROSSMAN E
				M	900-1200	301 LA	
			5 002	T R	1000-1200	L3 LA	GROSSMAN E
				W	100- 400PM	301 LA	
			5 003	T R	1000-1200	L3 LA	GROSSMAN E
				W	100- 400PM	303 LA	
			5 004	W F	800-1000	305 LA	GLEASON C
				F	100- 400PM	301 LA	
			5 005	M W	1200- 200PM	305 LA	DAVENPORT J
				R	1230- 330PM	301 LA	
			5 006	T R	800-1000	305 LA	
				W	800-1100	301 LA	
			5 007	T	600- 930PM	305 LA	
				R	600- 930PM	301 LA	

Course Number	Title	Prerequisite	Section Cr. Number	Days	Hours	Room	Instructor
ACCOUNTING (ACC)							Dept. 41
091	FUND OF ACCOUNTING	MTH 090	3 001	M W F	800- 900	106 SC	BELLERS C
			3 002	T R	1100-1230PM	244 LA	
			3 003	T R	200- 330PM	244 LA	
			3 004	M W	700- 830PM	244 LA	
111	PRIN OF ACCOUNTING	MTH 163 167	3 094	R	700-1000PM	9ALNE	KOKKALES P KOKKALES P BELLERS C BELLERS C BELLERS C KOKKALES P MEYERS N KOKKALES P
			3 001	M W F	900-1000	244 LA	
			3 002	M W F	1000-1100	244 LA	
			3 003	M W F	1100-1200	236 LA	
			3 004	M W F	1200- 100PM	114 LA	
			3 005	M W F	200- 300PM	236 LA	
			3 006	T R	930-1100	244 LA	
			3 007	T R	1100-1230PM	236 LA	
			3 008	T R	530- 700PM	244 LA	
			3 009	T R	830-1000PM	244 LA	
			3 010	M W	530- 700PM	236 LA	
			3 011	M W	700- 830PM	236 LA	
			3 012	S	800-1200	244 LA	
			3 013	M W	400- 530PM	106 SC	
122	PRIN OF ACCOUNTING	ACC 111	3 014	W	530- 830PM	101 OE	BELLERS C
			3 055	T	700-1000PM	CHELS	
131	COMPUTER ACCOUNTING	ACC 092,111	3 089	M	800- 900PM	BRIGHT	MEYERS N KOKKALES P MEYERS N
			3 001	M W F	900-1000	236 LA	
			3 002	M W F	1100-1200	244 LA	
200	PERSONAL TAX ACCTG	ACC 111	3 003	T R	930-1100	236 LA	MEYERS N KOKKALES P
			3 001	M W	1200- 130PM	114 TI	
213	INTERMEDIATE ACCTG	ACC 122	3 002	T R	700- 830PM	244 LA	VASS S MEYERS N
			3 001	M W F	530- 700PM	102 SC	
			3 002	T R	1000-1100	236 LA	
			3 089	W	800- 900PM	BRIGHT	

ANTHROPOLOGY (ANT)							Dept. 01
160	RELIGIONS OF WORLD		3 001	M W F	900-1000	113 SC	THOMAS E WHITEFORD P CHELS BRIGHT
			3 002	T R	1100-1230PM	206 SC	
			3 055	T	700-1000PM	CHELS	
			3 089	W	700-1000PM	BRIGHT	
201	INTRO CULT ANTHRO		3 001	T	830- 830PM	107 SC	WHITEFORD P
211	INTRO TO YOGA		3 001	T R	930-1100	123 AC	WHITEFORD P WHITEFORD P WHITEFORD P
			3 002	W	800- 900PM	123 AC	
			3 090	M	1000- 100PM	BRIAR	

ARCHITECTONICS (ARC)							Dept. 61
109	SITE LAYOUT		3 001	R	900-1200	134 OE	POGLIANO M
111	ARCHITECT DRAWING		6 001	M W	800-1230PM	134 OE	BYRD D POGLIANO M
			6 002	M W	530-1000PM	134 OE	
117	CONST MATERIALS		3 001	M W	1230- 200PM	134 OE	BYRD D BYRD D
			3 002	T	530- 830PM	134 OE	
122	ARCHITECTURE DRAW	111	6 001	M W	800-1230PM	134 OE	BYRD D POGLIANO M
			6 002	M W	530-1000PM	134 OE	
150	PRES DRWGS & MODELS		4 001	T R	800- 900PM	134 OE	POGLIANO M
189	STUDY PROBLEMS	CONSENT	1-8 001	T	700-1200	134 OE	BYRD D POGLIANO M
			1-8 002	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-8 001	T	700-1200	129 OE	BYRD D POGLIANO M
			1-6 002	...	TO BE ARRANGED	...	
207	EST CONST COSTS	117&120	2 001	M W	1230- 130PM	134 OE	BYRD D
209	SURVEYING	MTH 151	3 001	R	900-1200	134 OE	POGLIANO M
210	STRUCTURE IN ARCH	SEE CATALOG	2 001	R	1200- 200PM	132 OE	POGLIANO M
213	ARCHITECT DRAWING	122	6 001	M W	800-1200	134 OE	BYRD D POGLIANO M
			6 002	M W	530-1000PM	134 OE	
224	ARCHITECT DRAWING	213	6 001	M W	800-1200	134 OE	BYRD D POGLIANO M
			6 002	M W	530-1000PM	134 OE	

ART (ART)										Dept. 17	
101	DRAWING AND PAINTNG		3	001	F	900-1200	103	TI	LOCKARD J		
			3	002	F	100- 400PM	103	TI	LOCKARD J		
			3	082	R	700-1000PM	DEXTR				
111	BASIC DRAWING		4	001	M W	600- 900PM	103	TI	HOROWITZ F		
			4	002	T R	900-1200	103	TI	HOROWITZ F		
112	BASIC DESIGN		4	001	M W	900-1200	103	TI	ZENIAN P		
			4	002	T R	600- 900PM	103	TI	ZENIAN P		
120	PORT PNTG LIFE DRAW		4	001	T R	1230- 330PM	103	TI	LOCKARD J		
124	IMAGINATIVE DRAWING		2	001	T	600-1000PM	320	LA	HOROWITZ F		
126	IMAGINATIVE DRAWING	ART 124	2	001	T	600-1000PM	320	LA	HOROWITZ F		
130	ART APPRECIATION		3	001	T R	100- 230PM	334	LA	HOROWITZ F		
			3	002	W	600- 900PM	206	SC	LEVINE B		
140	LIFE DRAWING		4	001	M W	100- 400PM	103	TI	ZENIAN P		
143	ART&CUL-AFROAMERICAN		3	001	M	600- 900PM	242	LA	LOCKARD J		
189	STUDY PROBLEMS		1-8	001	...	TO BE ARRANGED	...		LOCKARD J		

ASTRONOMY (AST)							Dept. 32
111	GENERAL ASTRONOMY		3 001	T	700- 900PM	342 LA	REES G
				R	700- 900PM		

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
AUTO BODY REPAIR (ABR)						Dept. 59		
111	BODY REPAIR FUND		4	001	M W	800- 100PM	ANNEX AS	CAMMET E
			4	002	M W	800-1000PM	ANNEX AS	WALL S
112	AUTO REFINISH FUND		4	001	T R	800- 100PM	ANNEX AS	JORDAN L
			4	002	T R	800-1000PM	ANNEX AS	REEMES
113	LIGHT BODY SERVICE		1	001	F	800- 100PM	ANNEX AS	JORDAN L
114	APPL AUTO BODY WELD		1	001	F	800- 100PM	ANNEX AS	CAMMET E
123	BODY REPAIR APP	111	4	001	T R	800-1200	ANNEX AS	CAMMET E
			4	002	T R	800-1000PM	ANNEX AS	BOOP C
			4	001	M W	800-1200	ANNEX AS	JORDAN L
124	AUTO REFINISHING	112	4	001	M W	800-1200	ANNEX AS	JORDAN L
			4	002	M W	800-1000PM	ANNEX AS	POSEGAY J
			4	002	M W	800-1000PM	ANNEX AS	POSEGAY J
126	FUND FRM/BODY ALIGN		2	001	F	800-1200	ANNEX AS	CAMMET E
130	CUSTOM PAINTING	112	1	001	R	100- 500PM	ANNEX AS	PIKE C
188	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	JORDAN L
199	ON THE JOB TRAINING	CONSENT	1-8	001	...	TO BE ARRANGED	...	CAMMET E
219	MAJOR REPAIR PROC		4	001	T R	800-1200	ANNEX AS	CAMMET E
			4	002	T R	800-1000PM	ANNEX AS	BOOP C
220	ENAMEL REFIN PRACT	112 AND 124	4	001	M W	800-1200	ANNEX AS	JORDAN L
			4	002	M W	800-1000PM	ANNEX AS	POSEGAY J
230	SPECIALIZED STUDY	CONSENT	2-8	001	T R	800-1200	ANNEX AS	CAMMET E
			2-8	002	T R	800-1000PM	ANNEX AS	BOOP C
AUTOMOTIVE SERVICE (AS)						Dept. 60		
059	CONSUMER CAR CARE		1	001	S	800-1200	T1L2 AS	
			1	002	T	800-1000PM	T4L1 AS	
			1	003	S	800-1200	T1L1 AS	
			1	004	T	800-1000PM	T3L2 AS	
			1	094	W	800-1000PM	SALNE	FISHER S

NOTE: MEETS FIRST SEVEN WEEKS

110	AUTO SERVICE FUND		2	001	M	800-1200	T3L1 AS	BARRON K
			2	002	T	100- 500PM	T1L1 AS	
			2	003	M	800-1000PM	T1L1 AS	
111	ENGINES	AS 110	2	001	R	800-1200	T1L1 AS	WEID R
			2	002	T	800-1000PM	T1L1 AS	WEID R
113	MANUAL DRIVE TRAINS	COREQ:AS110	2	001	T	800-1200	T1L1 AS	FISHER S
			2	002	R	800-1000PM	T1L1 AS	FISHER S
116	AUTO ELECTRONICS	PRE/COREQ 110	2	001	F	800-1200	T3L2 AS	MANN J
			2	002	W	800-1000PM	T3L2 AS	MANN J
118	FUEL SYSTEMS	PRE/COREQ 110	2	001	W	800-1200	T3L2 AS	
121	ENGINE REPAIR	AS 111	2	001	R	1100- 300PM	T1L1 AS	BARRON K
124	WHEEL BAL & ALIGN		2	001	W	100- 500PM	T1L1 AS	BARRON K
125	BRAKE SYSTEMS		2	001	W	100- 500PM	T1L2 AS	WEID R
126	ELECTRICAL SYSTEMS	AS 116	2	001	M	100- 500PM	T3L2 AS	MANN J
128	FUEL SYSTEM SERVICE	AS 110	2	001	F	100- 500PM	T3L2 AS	
129	DIAGNOSIS & REPAIR	110,111,113,116	2	001	T	100- 500PM	T3L2 AS	
160	SMALL ENGINE REPAIR		2	001	S	700-1100	T2L1 AS	SCHUSTER W
169	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	
212	AUTOMATIC TRAN MECH	113	2	001	F	800-1200	T1L1 AS	BARRON K
			2	002	T	800-1000PM	T1L1 AS	BARRON K
214	STEER & SUSPENSION		2	001	W	800-1200	T1L1 AS	FISHER S
215	BRAKE SYSTEM SRVC	AS 125	2	001	M	800-1200	T1L2 AS	WEID R
			2	002	W	800-1000PM	T1L1 AS	
216	ELECTRICAL CIRCUITS	AS 126	2	001	T	800-1200	T3L2 AS	MANN J
			2	002	R	800-1000PM	T3L2 AS	
218	ENGINE PERFORM DIAG	AS110,111,116	2	001	R	800-1200	T3L2 AS	BOGUE R
			2	002	M	800-1000PM	T3L2 AS	BOGUE R

BIOLOGY (BIO)

						Dept. 27		
101	CONCEPTS OF BIOLOGY		4	001	M W F	1000-1100	305 LA	STRAYER J
					T	900-1200	307 LA	
			4	002	M W F	1000-1100	305 LA	STRAYER J
					R	900-1200	307 LA	
			4	003	M W F	1100-1200	305 LA	NIEHAUS P
					W	800-1100	307 LA	
			4	004	M W F	100- 200PM	L2 LA	STRAYER J
					T	100- 400PM	307 LA	
			4	005	M W F	100- 200PM	L2 LA	STRAYER J
					R	1230- 330PM	307 LA	
			4	006	T R	530- 700PM	L2 LA	SHULL J
					T	700-1000PM	307 LA	
102	HUMAN BIOLOGY		4	001	T R	1100-1230PM	L2 LA	DAVENPORT J
					T	800-1100	301 LA	
			4	002	T R	1100-1230PM	L2 LA	DAVENPORT J
					T	100- 400PM	301 LA	
111	ANATOMY/PHYSIOLOGY		5	001	T R	1000-1200	L3 LA	GROSSMAN E
					M	900-1200	301 LA	
			5	002	T R	1000-1200	L3 LA	GROSSMAN E
					W	100- 400PM	301 LA	
			5	003	T R	1000-1200	L3 LA	GROSSMAN E
					W	100- 400PM	303 LA	
			5	004	W F	800-1000	305 LA	GLEASON C
					F	100- 400PM	301 LA	
			5	005	M W	1200- 200PM	305 LA	DAVENPORT J
					R	1230- 330PM	301 LA	
			5	006	T R	800-1000	305 LA	
					W	800-1100	301 LA	
			5	007	T	600- 930PM	305 LA	
					R	600- 930PM	301 LA	

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
BIOLOGY (BIO)				Dept. 27 (Cont.)				
127	BOTANY	BIO 101	4	001	M W R	900-1100	303 LA	DAVENPORT J
137	ORNAM INDOOR PLANT		2	001	W	400- 600PM	301 LA	DAVENPORT J
			2	002	M	600- 800PM	301 LA	DAVENPORT J
237	MICROBIOLOGY	BIO 101	4	001	M W F	100- 200PM	L3 LA	NIEHAUS P
					F	800-1100	307 LA	
			4	002	M W F	100- 200PM	L3 LA	NIEHAUS P
					W	200- 500PM	307 LA	
			4	003	M W	530- 700PM	306 LA	NIEHAUS P
					M	700-1000PM	307 LA	
258	TREES AND SHRUBS		1	001	M	300- 500PM	303 LA	STRAYER J
NOTE: MEETS 9/8 TO 10/27								

BLACK STUDIES (BLS)				Dept. 10				
107	BLACK PSYCHOLOGY		3	001	M W F	1000-1100	342 LA	ROBERTS A
120	PORT PNGT LIFE DRAW		4	001	T R	1230- 330PM	103 TI	LOCKARD J
201	THE BLACK CHILD		3	001	T R	1100-1230PM	322 LA	ROBERTS A
BLUEPRINT READING (BPR)				Dept. 64				
100	BLUEPRINT READING		2	001	T	900-1200	113 OE	POGLIANO M
			2	089	T	600- 900PM	BRIGHT	TERRY G
			2	094	R	700-1000PM	SALNE	TERRY G
101	BLUEPRINT READING		3	001	M	1200- 300PM	113 OE	LOWE B
			3	002	M	530- 830PM	113 OE	LOWE B
			3	003	W	900-1200	113 OE	LOWE B
103	BLPRT RDG SHEET MET		3	001	T R	600- 800PM	126 OE	HALL C
106	BLPRT FOR WELDERS		3	001	W	530- 830PM	113 OE	LOWE B
110	BLPRT FOR CONST TRA	BPR 100	2	001	T	1200- 200PM	132 OE	POGLIANO M
188	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	LOWE B

BUSINESS (BUS)				Dept. 46				
100	INVESTMENTS		1	001	M	600- 700PM	L2 LA	OHANIAN J
111	BUSINESS LAW		3	001	M W F	900-1000	106 SC	ZEEB R
			3	002	M W F	1000-1100	167 OE	
			3	003	M W	1230- 200PM	103 SC	ZEEB R
			3	004	M W	530- 700PM	106 SC	
			3	005	T R	930-1100	106 SC	ZEEB R
			3	006	T R	1230- 200PM	244 LA	MCNALLY R
			3	007	T R	700- 830PM	106 SC	MCNALLY R
			3	055	R	700-1000PM	CHELS	
			3	060	W	600- 900PM	BRIAR	MCNALLY R
			3	089	T	700-1000PM	BRIGHT	
140	INTRO TO BUSINESS		3	001	M W F	900-1000	103 SC	BELLERS C
			3	002	M W F	1000-1100	106 SC	ZEEB R
			3	003	M W F	1100-1200	106 SC	ZEEB R
			3	004	M W	1200- 130PM	106 SC	
			3	005	M W	200- 330PM	103 SC	
			3	006	M W	400- 530PM	236 LA	ROSS F
			3	007	T R	800- 930	236 LA	
			3	008	T R	930-1100	103 SC	
			3	009	T R	1230- 200PM	106 SC	ROSS F
			3	010	M W	830-1000PM	236 LA	
			3	011	T R	530- 700PM	106 SC	MCNALLY R
			3	012	S	900-1200	236 LA	
			3	013	T	530- 830PM	110 OE	ROSS F
			3	050	...	TO BE ARRANGED	...	MCNALLY R
			3	060	M	600- 900PM	BRIAR	MCNALLY R
			3	062	T	700-1000PM	DEXTR	
			3	089	R	600- 900PM	BRIGHT	
			3	094	W	700-1000PM	SALNE	
200	INDEPEND OR STUDY	CONSENT	2-8	001	...	TO BE ARRANGED	...	
207	BUS COMMUNICATION		3	001	M W	130- 300PM	106 SC	PAULSON R
			3	002	T R	800- 930	244 LA	
			3	003	M W	530- 700PM	244 LA	
			3	060	S	100- 400PM	BRIAR	
			3	089	M	700-1000PM	BRIGHT	
			3	094	T	700-1000PM	SALNE	

CHEMISTRY (CEM)				Dept. 33				
057	INTRO CHEMISTRY		3	001	M W F	900-1000	L2 LA	FRENCH G
			3	002	M W F	900-1000	L2 LA	FRENCH G
			3	003	T R	700- 830PM	L2 LA	WESTOVER K
			3	004	S	900-1200	238 LA	HEINEMANN B
058	INTRO CHEMISTRY LAB		1	001	T	900-1200	237 LA	FRENCH G
			1	002	T	100- 400PM	237 LA	VANGENDEREN
			1	003	R	900-1200	237 LA	GRISWOLD G
			1	004	W	700-1000PM	237 LA	DEJOHN D
			1	005	S	100- 400PM	237 LA	HEINEMANN B
105	FUND OF CHEMISTRY	HS CEM OR 057	4	001	M W F	1100-1200	L2 LA	POOL M
					T	800-1100	235 LA	
			4	002	M W F	1100-1200	L2 LA	POOL M
					T	1200- 300PM	235 LA	
			4	003	M W F	1100-1200	L2 LA	POOL M
					R	800-1100	235 LA	
			4	004	M W	700- 830PM	238 LA	GRISWOLD G
					T	700-1000PM	235 LA	

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
CHEMISTRY (CEM) Dept. 33 (Cont.)								
111	GENERAL CHEMISTRY	H S CEM & ALG	4	001	M W F	1200- 100PM	L2 LA	GRISWOLD G
					T	900-1200	231 LA	
			4	002	M W F	1200- 100PM	L2 LA	GRISWOLD G
					T	100- 400PM	231 LA	
			4	003	M W F	1200- 100PM	L2 LA	GRISWOLD G
					W	100- 400PM	231 LA	
			4	004	M W F	1200- 100PM	L2 LA	GRISWOLD G
					R	1200- 300PM	233 LA	
			4	005	M W	700- 830PM	L2 LA	SANCHEZ J
					T	700-1000PM	231 LA	
122	GENERAL CHEMISTRY	CEM 111	4	001	M W F	700- 940PM	231 LA	VANGENDEREN
140	ORGANIC BIOCHEM	105 OR 111	4	001	M W F	1100-1200	231 LA	FRENCH G
					R	1200- 300PM	235 LA	
211	ORGANIC CHEMISTRY	CEM 111	3	001	M W F	100- 200PM	238 LA	FRENCH G

CHILD CARE WORKER (CCW) Dept. 78								
100	EXCPT PRESCHOL CHILD		3	001	T R	100- 230PM	108 SC	
101	CHILD DEVELOPMENT		3	001	M W	200- 330PM	108 SC	TRAVIS P
			3	089	R	700-1000PM	BRIGHT	
105	PRACTICUM 1		3	001	...	TO BE ARRANGED	...	GLUSAC A
106	PRACTICUM 11		3	001	...	TO BE ARRANGED	...	GLUSAC A
108	EDUC EXPR ART		3	001	M W	400- 530PM	108 SC	
114	PRACTICUM 111		4	001	...	TO BE ARRANGED	...	GLUSAC A
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	GLUSAC A

NOTE: CCW SEMINAR FOR CCW 105 AND 106 MEETS MONDAYS 1-2 PM AND CCW 114 MEETS WEDNESDAYS 1-2 PM. IN ORDER TO RESERVE AVAILABLE BLOCKS OF TIME, STUDENTS ARE REQUIRED TO ARRANGE SUPERVISED TEACHING HOURS AT WCC CHILDREN'S CENTER BEFORE REGISTRATION.

COMMUNICATIONS AND THEATRE (CMT) Dept. 38								
101	FUND OF SPEAKING		3	001	M W F	900-1000	206 SC	HANSON C
			3	002	M W F	900-1000	242 LA	SALERNO D
			3	003	M W F	1000-1100	242 LA	SALERNO D
			3	004	M W F	1000-1100	CT LA	DEVEREAUX W
			3	005	M W F	1100-1200	206 SC	
			3	006	M W F	1100-1200	CT LA	DEVEREAUX W
			3	007	M W F	1200- 100PM	206 SC	HANSON C
			3	008	M W F	1200- 100PM	CT LA	DEVEREAUX W
			3	009	M W F	100- 200PM	206 SC	
			3	010	T R	930-1100	206 SC	
			3	011	T R	1100-1230PM	206 SC	SALERNO D
			3	012	T R	1100-1230PM	242 LA	
			3	013	T R	100- 230PM	206 SC	SALERNO D
			3	014	M	600- 900PM	206 SC	HANSON C
			3	015	T	700-1000PM	CT LA	DEVEREAUX W
			3	016	W	500- 800PM	206 SC	GROTRIAN P
			3	017	R	600- 900PM	206 SC	HANSON C
			3	082	M	700-1000PM	DEXTR	
			3	089	R	700-1000PM	BRIGHT	BIXBY N
131	RADIO AND TV SPEECH		3	001	M W F	1000-1100	206 SC	HANSON C
			3	002	M W	100- 230PM	206 SC	HANSON C
152	ACTING FOR THEATRE		3	001	T R	930-1100	CT LA	DEVEREAUX W
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	DEVEREAUX W
			1-8	002	...	TO BE ARRANGED	...	HANSON C

COMPUTER INFORMATION SYSTEMS (CIS) Dept. 40								
100	INTRO TO COMP		3	001	M	900-1200	214 TI	JINDAL U
			3	002	R	900-1200	214 TI	KRIEG L
			3	003	F	900-1200	214 TI	KRIEG L
			3	004	W	1230- 330PM	214 TI	JINDAL U
			3	005	R	1230- 330PM	214 TI	WOTRING R
			3	006	M	700-1000PM	214 TI	
			3	007	W	700-1000PM	214 TI	
			3	008	R	700-1000PM	214 TI	WOTRING R
			3	009	S	900-1200	214 TI	
			3	050	...	TO BE ARRANGED	...	JINDAL U
			3	082	M W	700-1000PM	DEXTR	
			3	089	R	700-1000PM	BRIGHT	
					S	900-1200	BRIGHT	
105	MICRO COMP PROG BEG		2	001	W	700- 900PM	224 TI	
			2	002	T	930-1130	214 TI	
111	COMPUTER CONCEPTS		3	001	M W	800-1100	210 TI	WOTRING R
			3	002	T R	800-1100	210 TI	FINKBEINER C
			3	003	M W	1230- 330PM	210 TI	FINKBEINER C
			3	004	T R	1230- 330PM	210 TI	FINKBEINER C
			3	005	M W	700-1000PM	210 TI	
			3	006	T R	700-1000PM	210 TI	
			3	007	S	800- 200PM	210 TI	JINDAL U
			3	008	W	930-1230PM	214 TI	JINDAL U
			3	009	M	700-1000PM	224 TI	
			3	055	MT	700-1000PM	CHLS	O'HAGAN A

NOTE: Section 050 is the TV course using the program series "The New Literacy"

NOTE: COURSE MEETS 15 WEEKS

3 089 M W 700-1000PM BRIGHT

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
COMPUTER INFORMATION SYSTEMS (CIS) .. Dept. 40 (Cont.)								
NOTE: COURSE MEETS 15 WEEKS								
112	COMPUTER FUNCTIONS	CIS 111	3	001	M W	800-1100	210 TI	WOTRING R
			3	002	T R	800-1100	210 TI	FINKBEINER C
			3	003	M W	1230- 330PM	210 TI	FINKBEINER C
			3	004	T R	1230- 330PM	210 TI	FINKBEINER C
			3	005	M W	700-1000PM	210 TI	
			3	006	T R	700-1000PM	210 TI	
			3	007	S	800- 200PM	210 TI	JINDAL U
115	PROGRAMMING LOGIC	CIS 112	3	001	T	1230- 330PM	214 TI	WOTRING R
130	PASCAL BUS & INDUS	CIS 111, 112 OR	3	001	T R	900-1030	211 TI	RINN J
			3	002	M	700-1000PM	211 TI	RENN J
136	BASIC FOR BUS & IND		3	001	M W	930-1100	211 TI	RINN J
			3	002	W	700-1000PM	211 TI	RENN J
141	COMPUTER OPERATIONS		3	001	M W	800-1000	216 TI	PAUP A
	COMPUTER OPERATIONS		3	002	T R	730- 930PM	216 TI	
170	COBOL		4	001	M W	1200- 200PM	211 TI	RINN J
			4	002	T R	700- 900PM	209 TI	
199	ON JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	PAUP A
230	ADV PASCAL BUS & IND	CIS 115	3	001	M W	530- 700PM	214 TI	RENN J
240	CAREER PRACTICES	ENG 100	2	001	T R	1100-1200	213 SC	
			2	002	T	700- 900PM	121 LA	
275	C PROGRAM LANGUAGE	CIS 130 OR EQUI	3	001	T	700-1000PM	214 TI	KRIEG L
			3	002	R	1230- 330PM	216 TI	JINDAL U
288	OPERATING SYSTEMS		4	001	T R	800-1000	209 TI	PAUP A
288	SYST ANALY & DESGN		3	001	T	900-1200	126 TI	KRIEG L
			3	002	R	700-1000PM	209 TI	KRIEG L

COMPUTER SCIENCE (CPS) Dept. 31								
183	INTRO BASIC PROG	MTH 097	4	001	M W	200- 400PM	216 TI	GOLDBERG D
			4	002	T R	900-1100	224 TI	
			4	003	M W	500- 700PM	224 TI	
			4	004	T R	700- 900PM	224 TI	
186	INTRO PASCAL PROG	MTH 169	4	001	M W	1200- 200PM	224 TI	SHOWALTER M
			4	002	T R	500- 700PM	224 TI	
187	INTRO FORTRAN PROG		4	001	M W	1200- 200PM	216 TI	REMEN J
			4	002	M W	700- 900PM	216 TI	MILLER M
187A	INTRO FORTRAN PROG	MTH 169	3	001	T R	530- 700PM	216 TI	PALAY R
284	COMPUTER GRAPHICS	CONSENT	4	001	M W	500- 700PM	211 TI	
287	ADVANCED FORTRAN	CPS 187 OR 294	4	001	T R	1100- 100PM	224 TI	PALAY R
294	COMPARATIVE LANGUAGE	183 186 187	4	001	M W	900-1100	216 TI	REMEN J

CORRECTIONAL SCIENCE (COR) Dept. 39								
132	CORR INSTITUTIONS		3	001	M W F	1200- 100PM	109 SC	
211	LEGAL ISSUES IN COR		3	001	R	600- 900PM	109 SC	

NOTE: CORRECTIONAL COURSES MEET STATE PREREQUISITE FOR STATE DEPARTMENT OF CORRECTIONS ENTRANCE EXAMINATION

CRIMINAL JUSTICE (CJ) Dept. 78								
100	INTRO CRIM JUSTICE		3	001	M W F	800- 900	115 SC	LUDOS P
			3	002	M W F	900-1000	109 SC	
			3	003	M W F	1000-1100	115 SC	LUDOS P
			3	004	T R	930-1100	109 SC	
			3	005	M	600- 900PM	115 SC	
122	INTRO TO CORRECTION		3	001	M W F	1100-1200	115 SC	SPICKARD J
			3	002	T	600- 900PM	109 SC	
169	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	LUDOS P
199	ON THE JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	LUDOS P
205	APPL PSY FOR POLICE		3	001	T R	1230- 200PM	115 SC	BREEDVELD B
206	CRIMINAL EVID & PRO	209	3	001	W	600- 900PM	115 SC	SIMMS J
209	CRIMINAL LAW		3	001	M W F	1200- 100PM	115 SC	
210	INTRO CRIMINALISTIC		3	001	R	600- 900PM	303 LA	DAVIS E
223	JUVENILE JUSTICE		3	001	M W F	1100-1200	109 SC	LUDOS P
			3	002	T R	1100-1230PM	113 SC	BLYSMA D

NOTE: MEETS WITH SOC 250-001

224	CRIMINAL INVEST		3	003	M	600- 900PM	109 SC	
			3	001	M W	100- 230PM	115 SC	
225	SEM CRIMINAL JUST		3	002	T	600- 900PM	115 SC	MAXWELL J
			3	001	T	900-1200	115 SC	
			3	002	R	600- 900PM	115 SC	
CULINARY ARTS (CUL) Dept. 74								
100	INTRO HOSP IND MGT		3	001	T R	900-1030	108 SC	BEAUCHAMP J
			3	002	T R	700- 830PM	108 SC	
110	SANITATION-HYGIENE		3	001	M W	600- 730PM	108 SC	MOREHOUSE M
111	ELEM FOOD PREP		6	001	MTWR	1100- 230PM	122 SC	GARRETT D
118	PRIN OF NUTRITION		3	001	M W	900-1030	101 OE	MERWIN S
150	DINING ROOM MGT		6	001	MTWR	1100- 230PM	108 SC	BEAUCHAMP J
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	30 HRS IN PROGR	1-6	001	...	TO BE ARRANGED	...	GARRETT D
219	ELEMENTARY BAKING	111	4	001	W R	600- 900PM	122 SC	
220	ORG-MGT FOOD SYS	CUL 100	3	001	M W	600- 730PM	312 SC	WALKER D
222	QUANTITY FOOD PROD	CUL 111	6	001	MTWR	715-1100	122 SC	BEATON J
228	LAYOUT AND EQUIP	122	4	001	MTW	330- 530PM	107 TI	GARRETT D
260	CATERING & BANQUETS	100, 111	3	001	W	230- 430PM	108 SC	EDERLE K

Course Number	Title	Prerequisite	Section Cr. Number	Days	Hours	Room	Instructor
DANCE (DN)							Dept. 16
101	BEG MODERN DANCE		2 001	M W	900-1030	123 AC	
103	TAP DANCING		1 001	M W	100- 145PM	123 AC	MANCINELLI D
105	BEG JAZZ DANCE		2 001	T R	1100-1230PM	123 AC	HAMP L
			2 002	M W F	1100-1200	121 AC	MANCINELLI D
106	BEGINNING JAZZ II		2 001	T R	1230- 200PM	123 AC	HAMP L
107	BEGINNING BALLET		2 001	M W F	1200- 100PM	123 AC	MANCINELLI D
108	BEGINNING BALLET II		2 001	M W	1030-1200	123 AC	BOOTHE B
110	AFRO-AMER DANCE I		1 001	T R	100- 200PM	121 AC	LOYD C
122	BALLROOM DANCE		1 001	R	700- 830PM	123 AC	ZELNIK S
123	DANCE EXERCISE I		1 001	M W F	100- 200PM	121 AC	BOOTHE B

NOTE: BEGINS 9/3 ENDS 10/24

126 COUNTRY WESTERN DANCE

1 002 T R 400- 530PM 123 AC ZELNIK S
1 001 T 700- 830PM 123 AC ZELNICK S

NOTE: BEGINS 9/4 ENDS 10/23

210 AFRO-AMER DANCE II DN 110 OR CONSE 1 001 M W 500- 800PM 123 AC LOYD C
222 BALL ROOM DANCE II DN 122 OR CONSE 1 001 R 830-1000PM 123 AC ZELNIK S
223 DANCE EXERCISE II 1 001 M W F 100- 200PM 121 AC BOOTHE B

NOTE: BEGINS 10/27 ENDS 12/17

1 002 T R 400- 530PM 123 AC ZELNIK S

NOTE: BEGINS 10/28 ENDS 12/18

224 DANCE EXERCISE III 2 001 M W 1200- 100PM 121 AC BOOTHE B

DENTAL ASSISTING (DA) **Dept. 51**

039 DENTAL ASST REVIEW 1 001 T R 800- 900PM 331 LA FINKBEINER B

NOTE: BEGINS 9/9 ENDS 9/23

110 INTRO TO DENT ASST ADM TO PROG 3 001 { M 100- 500PM 331 LA FINKBEINER B
R 900-1100 327 LA
3 002 { M 100- 500PM 331 LA FINKBEINER B
R 1100- 100PM 327 LA

NOTE: MEETS FIRST 7 WEEKS

111 DENTAL SCIENCE ADM TO PROG 4 001 M W 1000-1200 331 LA NEVERS W

NOTE: MEETS FIRST 7 WEEKS

113 DENTAL MATERIALS 3 001 { M W 830-1000 327 LA NEVERS W
T 900-1100

NOTE: BEGINS 9/22

3 002 { M W 830-1000 327 LA NEVERS W
T 100- 300PM 327 LA

NOTE: BEGINS 9/22

114 CLINICAL DENTAL ASST ADM TO PROG 2.0 3 001 { M 100- 500PM 331 LA FINKBEINER B
R 900-1100 327 LA

NOTE: MEETS SECOND SEVEN WEEKS

3 002 { M 100- 500PM 331 LA FINKBEINER B
R 1100- 100PM 331 LA

NOTE: MEETS SECOND SEVEN WEEKS

120 ORAL DIAGNOSIS TECH 2.0/DA 111&114 2 001 W 100- 500PM 331 LA NEVERS W

NOTE: BEGINS 10/22

189 STUDY PROBLEMS 1-8 001 * * * TO BE ARRANGED * * * FINKBEINER B
224 ADVANCED FUNCTIONS 2.0 GPA 3 001 W 800- 900PM 327 LA NEVERS W

ECONOMICS (EC) **Dept. 02**

111 CONSUMER ECONOMICS 3 001 M W F 1100-1200 107 SC GLUSAC I
211 PRINCIPLES OF ECON 3 001 M W F 900-1000 102 SC HOLMES G
3 002 M W F 1000-1100 102 SC HOLMES G
3 003 M W F 1100-1200 102 SC HOLMES G
3 004 M W 100- 230PM 102 SC HOLMES G
3 005 M 700-1000PM 102 SC HOLMES G
3 006 T R 930-1100 102 SC VASS S
3 007 T R 1230- 200PM 102 SC VASS S
3 008 T R 530- 700PM 102 SC VASS S
3 009 W 700-1000PM 102 SC HOLMES G
3 010 S 900-1200 102 SC KAKWAN S
3 050 * * * TO BE ARRANGED * * * VASS S
3 089 T 700-1000PM BRIGHT
3 094 R 700-1000PM SALNE

222 PRINCIPLES OF ECON EC 211 3 001 T R 1100-1230PM 102 SC VASS S
3 002 T 700-1000PM 102 SC VASS S
3 003 R 700-1000PM 102 SC VASS S

ELECTRICITY & ELECTRONICS (EE) **Dept. 65**

101 SERVICING TECHNIQUE 123 OR 123A 4 001 T R 800-1100 129 LA
4 002 T R 1200- 300PM 129 LA
4 003 M W 700-1000PM 129 LA
105 INTRO TELECOMM 3 001 T R 800- 930 209 SC
3 002 T R 530- 700PM 140 LA

Course Number	Title	Prerequisites	Cr. Number	Section Number	Days	Hours	Room	Instructor
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ELECTRICITY & ELECTRONICS (EE) Dept. 85 (Cont.)

NOTE: STUDENTS ENROLLING IN EE 123,123A OR 123B ARE REQUIRED TO ATTEND OPEN LAB SESSIONS

123	FUND OF ELECTRICITY		3	009	T	800- 900PM	BRIGHT
			8	001	M W F	800-1100	121 LA
			8	002	M W F	1200- 300PM	121 LA
			8	003	M W F	700-1000PM	121 LA
123 A	FUND OF ELEC A		5	001	M W	800-1030	207 SC
			5	002	M W	1200- 230PM	207 SC
			5	003	M W	500- 730PM	207 SC
			5	004	M W	730-1000PM	207 SC
123 B	FUND OF ELEC B		5	001	M W	800-1030	213 SC
			5	002	M W	1200- 230PM	213 SC
			5	003	M W	500- 730PM	213 SC
			5	004	M W	730-1000PM	213 SC
134	MOTORS & CONTROLS	EE 123	4	001	T R	700-1000PM	129 OE
137	SWITCHING LOGIC		3	001	T R	800-1000	207 SC
			3	002	T R	1200- 200PM	207 SC
			3	003	T R	530- 730PM	207 SC
			3	004	T R	730- 830PM	207 SC
139	COMPUTER SYS FUND	137	4	001	M W	800-1000	140 LA
					M	1000-1200	140 LA
			4	002	M W	800-1000	140 LA
					W	1000-1200	140 LA
			4	003	M W F	800-1000	140 LA
			4	004	M W	830- 830PM	140 LA
					M	830-1030PM	140 LA
			4	005	M W	830- 830PM	140 LA
					W	830-1030PM	140 LA
140	SOFTWARE CONCEPTS I	137,139	3	001	T R	1000-1200	140 LA
			3	002	T R	530- 730PM	213 SC
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...
199	ON THE JOB TRAINING	CONSENT	1-8	001	...	TO BE ARRANGED	...
205	BASIC TELEPHONY	EE 105	4	001	M W	800-1100	129 OE
			4	002	T R	700-1000PM	129 OE
211	BASIC ELECTRONICS	111,MTH151	4	001	T R	800-1100	101 LA
			4	002	T R	1200- 300PM	101 LA
			4	003	T R	430- 730PM	101 LA
			4	004	T R	730-1030PM	101 LA
215	DIGITAL COMMUNIC I	COREQ EE 105	3	001	M W	1200- 200PM	209 SC
			3	002	T R	700-1000PM	209 SC
221	COMPUTER PERIPHERAL	139	3	001	T R	900-1100	142 LA
222	DIGITAL ELECT I	122 137 211	4	001	M W	1200- 300PM	103 LA
			4	002	M W	700-1000PM	103 LA
224	PROG CONTROLLERS	EE 123	4	001	M W	1200- 300PM	129 OE
225	DIGITAL COMM II	EE215,205	4	001	M W	700-1000PM	129 OE
230	COMPUTER SYSTEMS II	139,211	4	001	T R	800-1000	213 SC
					T	1000-1200	132 LA
			4	002	T R	800-1000	213 SC
					R	1000-1200	132 LA
			4	003	M W	830- 830PM	209 SC
					M	830-1030PM	132 LA
			4	004	M W	830- 830PM	209 SC
					W	830-1030PM	132 LA
234	VAX/VMS HARDWARE	COREQ EE235	3	001	S	900- 100PM	121 LA
235	COMPUTER SYST III	230,241	4	001	T R	800- 800PM	142 LA
					T	800-1000PM	132 LA
			4	002	T R	800- 800PM	142 LA
					R	800-1000PM	132 LA
236	COMPUTER TERMINALS	230,238,241CO:2	4	001	T R	700- 900PM	140 LA
238	ELECT ANALOG CIRC	122 211	4	001	T R	1200- 300PM	103 LA
			4	002	T R	700-1000PM	127 LA
240	CAREER PRACT SEM		2	001	F	900-1100	207 SC
			2	002	T	700- 900PM	121 LA
241	DIGITAL ELECT II	COREQ 222	4	001	M W	800-1100	103 LA
			4	002	T R	700-1000PM	103 LA
244	ELECT CONT SYSTEMS	EE 134,211,PHY1	4	001	T R	1200- 300PM	129 OE
			4	002	M W	700-1000PM	129 OE
250	MICROPROCESSORS	137 139 211	4	001	T R	800-1100	103 LA
			4	002	M W	700-1000PM	103 LA
299	CUSTOMER RELATIONS		1	001	F	1200- 300PM	213 SC

NOTE: 7 WEEKS

ENGLISH/WRITING (ENG)

Dept. 24

000	WRITING LAB		0	001	M	900-1000	315 SC
			0	002	M	1000-1100	315 SC
			0	003	M	1000-1100	315 SC
			0	004	M	1100-1200	315 SC
			0	005	M	1100-1200	315 SC
			0	006	M	1200- 100PM	315 SC
			0	007	M	1200- 100PM	315 SC
			0	008	M	100- 200PM	315 SC
			0	009	M	100- 200PM	315 SC
			0	010	M	200- 300PM	315 SC
			0	011	M	200- 300PM	315 SC
			0	012	M	300- 400PM	315 SC
			0	013	M	400- 500PM	315 SC
			0	014	M	500- 600PM	315 SC
			0	015	M	600- 700PM	315 SC
			0	016	M	700- 800PM	315 SC
			0	017	M	800- 900PM	315 SC

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
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ENGLISH/WRITING Dept. 24 (Cont.)

010 WRITING PRACTICUM

0	018	T		900-1000	315 SC	
0	019	T		1000-1100	315 SC	
0	020	T		1000-1100	315 SC	
0	021	T		1100-1200	315 SC	
0	022	T		1100-1200	315 SC	
0	023	T		1200- 100PM	315 SC	
0	024	T		1200- 100PM	315 SC	
0	025	T		100- 200PM	315 SC	
0	026	T		100- 200PM	315 SC	
0	027	T		200- 300PM	315 SC	
0	028	T		200- 300PM	315 SC	
0	029	T		300- 400PM	315 SC	
0	030	T		400- 500PM	315 SC	
0	031	T		500- 800PM	315 SC	
0	032	T		600- 700PM	315 SC	
0	033	T		700- 800PM	315 SC	
0	034	T		800- 900PM	315 SC	
0	035	W		900-1000	315 SC	
0	036	W		1000-1100	315 SC	
0	037	W		1000-1100	315 SC	
0	038	W		1100-1200	315 SC	
0	039	W		1100-1200	315 SC	
0	040	W		1200- 100PM	315 SC	
0	041	W		1200- 100PM	315 SC	
0	042	W		100- 200PM	315 SC	
0	043	W		100- 200PM	315 SC	
0	044	W		200- 300PM	315 SC	
0	045	W		200- 300PM	315 SC	
0	046	W		300- 400PM	315 SC	
0	047	W		400- 500PM	315 SC	
0	048	W		500- 800PM	315 SC	
0	049	W		600- 700PM	315 SC	
0	050	W		700- 800PM	315 SC	
0	051	W		800- 900PM	315 SC	
0	052	R		900-1000	315 SC	
0	053	R		1000-1100	315 SC	
0	054	R		1000-1100	315 SC	
0	055	R		1100-1200	315 SC	
0	056	R		1100-1200	315 SC	
0	057	R		1200- 100PM	315 SC	
0	058	R		1200- 100PM	315 SC	
0	059	R		100- 200PM	315 SC	
0	060	R		100- 200PM	315 SC	
0	061	R		200- 300PM	315 SC	
0	062	R		200- 300PM	315 SC	
0	063	R		600- 700PM	315 SC	
0	064	R		700- 800PM	315 SC	
0	065	R		800- 900PM	315 SC	
0	066	F		900-1000	315 SC	
0	067	F		1000-1100	315 SC	
0	068	F		1000-1100	315 SC	
0	069	F		1100-1200	315 SC	
0	070	F		1100-1200	315 SC	
0	071	F		1200- 100PM	315 SC	
0	072	F		1200- 100PM	315 SC	
0	073	F		100- 200PM	315 SC	
0	074	F		100- 200PM	315 SC	
0	075	F		200- 300PM	315 SC	
0	076	F		200- 300PM	315 SC	
0	077	F		300- 400PM	315 SC	
0	078	S		900-1000	315 SC	
0	079	S		1000-1100	315 SC	
0	080	S		1100-1200	315 SC	
1	001	M		900-1000	315 SC	
1	002	M		1000-1100	315 SC	
1	003	M		1000-1100	315 SC	
1	004	M		1100-1200	315 SC	
1	005	M		1100-1200	315 SC	SALERNO D
1	006	M		1200- 100PM	315 SC	GAUGHAN J
1	007	M		1200- 100PM	315 SC	MITCHELL B
1	008	M		100- 200PM	315 SC	CROAKE E
1	009	M		100- 200PM	315 SC	HUNT B
1	010	M		200- 300PM	315 SC	WEIDNER H
1	011	M		200- 300PM	315 SC	CROAKE E
1	012	M		300- 400PM	315 SC	HUNT B
1	013	M		400- 500PM	315 SC	MINOCK D
1	014	M		500- 800PM	315 SC	ERICKSON L
1	015	M		600- 700PM	315 SC	ERICKSON L
1	016	M		700- 800PM	315 SC	WILLIAMS T
1	017	M		800- 900PM	315 SC	WILLIAMS T
1	018	T		900-1000	315 SC	WILLIAMS T
1	019	T		1000-1100	315 SC	SALERNO D
1	020	T		1000-1100	315 SC	MITCHELL B
1	021	T		1100-1200	315 SC	GAUGHAN J
1	022	T		1100-1200	315 SC	MITCHELL B
1	023	T		1200- 100PM	315 SC	
1	024	T		1200- 100PM	315 SC	
1	025	T		100- 200PM	315 SC	SALERNO D
1	026	T		100- 200PM	315 SC	MITCHELL B
1	027	T		200- 300PM	315 SC	HATCHER R
1	028	T		200- 300PM	315 SC	GAUGHAN J
1	029	T		300- 400PM	315 SC	ERICKSON L

Course Number	Title	Prerequisite	Section Cr. Number	Days	Hours	Room	Instructor
ENGLISH/WRITING				Dept. 24 (Cont.)			
			1	030	T	400-500PM	315 SC ERICKSON L
			1	031	T	500-800PM	315 SC ERICKSON L
			1	032	T	600-700PM	315 SC MINOCK D
			1	033	T	700-800PM	315 SC MINOCK D
			1	034	T	800-900PM	315 SC MINOCK D
			1	035	W	900-1000	315 SC
			1	036	W	1000-1100	315 SC
			1	037	W	1000-1100	315 SC HATCHER R
			1	038	W	1100-1200	315 SC SALERNO D
			1	039	W	1100-1200	315 SC GAUGHAN J
			1	040	W	1200-100PM	315 SC MITCHELL B
			1	041	W	1200-100PM	315 SC SALERNO D
			1	042	W	100-200PM	315 SC HATCHER R
			1	043	W	100-200PM	315 SC WEIDNER H
			1	044	W	200-300PM	315 SC HATCHER R
			1	045	W	200-300PM	315 SC CROAKE E
			1	046	W	300-400PM	315 SC CROAKE E
			1	047	W	400-500PM	315 SC ERICKSON L
			1	048	W	500-600PM	315 SC ERICKSON L
			1	049	W	600-700PM	315 SC WEIDNER H
			1	050	W	700-800PM	315 SC WEIDNER H
			1	051	W	800-900PM	315 SC WEIDNER H
			1	052	R	900-1000	315 SC MINOCK D
			1	053	R	1000-1100	315 SC MINOCK D
			1	054	R	1000-1100	315 SC WEIDNER H
			1	055	R	1100-1200	315 SC MINOCK D
			1	056	R	1100-1200	315 SC WEIDNER H
			1	057	R	1200-100PM	315 SC MITCHELL B
			1	058	R	1200-100PM	315 SC WEIDNER H
			1	059	R	100-200PM	315 SC HATCHER R
			1	060	R	100-200PM	315 SC MITCHELL B
			1	061	R	200-300PM	315 SC HATCHER R
			1	062	R	200-300PM	315 SC CROAKE E
			1	063	R	800-700PM	315 SC
			1	064	R	700-800PM	315 SC HUNT B
			1	065	R	800-900PM	315 SC HUNT B
			1	066	F	900-1000	315 SC
			1	067	F	1000-1100	315 SC
			1	068	F	1000-1100	315 SC HATCHER R
			1	069	F	1100-1200	315 SC SALERNO D
			1	070	F	1100-1200	315 SC HATCHER R
			1	071	F	1200-100PM	315 SC CROAKE E
			1	072	F	1200-100PM	315 SC WEIDNER H
			1	073	F	100-200PM	315 SC HATCHER R
			1	074	F	100-200PM	315 SC WEIDNER H
			1	075	F	200-300PM	315 SC CROAKE E
			1	076	F	200-300PM	315 SC HATCHER R
			1	077	F	300-400PM	315 SC CROAKE E
			1	078	S	900-1000	315 SC
			1	079	S	1000-1100	315 SC
			1	080	S	1100-1200	315 SC
015	TEXT EDITING		1	001	M	900-1000	315 SC SALERNO D
			1	002	M	1000-1100	315 SC SALERNO D
			1	003	M	1000-1100	315 SC
			1	004	M	1100-1200	315 SC SALERNO D
			1	005	M	1100-1200	315 SC GAUGHAN J
			1	006	M	1200-100PM	315 SC MITCHELL B
			1	007	M	1200-100PM	315 SC CROAKE E
			1	008	M	100-200PM	315 SC HUNT B
			1	009	M	100-200PM	315 SC WEIDNER H
			1	010	M	200-300PM	315 SC SALERNO D
			1	011	M	200-300PM	315 SC HUNT B
			1	012	M	300-400PM	315 SC MINOCK D
			1	013	M	400-500PM	315 SC ERICKSON L
			1	014	M	500-600PM	315 SC ERICKSON L
			1	015	M	600-700PM	315 SC WILLIAMS T
			1	016	M	700-800PM	315 SC WILLIAMS T
			1	017	M	800-900PM	315 SC WILLIAMS T
			1	018	T	900-1000	315 SC
			1	019	T	1000-1100	315 SC WILLIAMS T
			1	020	T	1000-1100	315 SC
			1	021	T	1100-1200	315 SC MITCHELL B
			1	022	T	1100-1200	315 SC GAUGHAN J
			1	023	T	1200-100PM	315 SC MITCHELL B
			1	024	T	1200-100PM	315 SC
			1	025	T	100-200PM	315 SC SALERNO D
			1	026	T	100-200PM	315 SC MITCHELL B
			1	027	T	200-300PM	315 SC HATCHER R
			1	028	T	200-300PM	315 SC GAUGHAN J
			1	029	T	300-400PM	315 SC ERICKSON L
			1	030	T	400-500PM	315 SC ERICKSON L
			1	031	T	500-600PM	315 SC ERICKSON L
			1	032	T	600-700PM	315 SC MINOCK D
			1	033	T	700-800PM	315 SC MINOCK D
			1	034	T	800-900PM	315 SC MINOCK D
			1	035	W	900-1000	315 SC SALERNO D
			1	036	W	1000-1100	315 SC SALERNO D
			1	037	W	1000-1100	315 SC HATCHER R
			1	038	W	1100-1200	315 SC SALERNO D
			1	039	W	1100-1200	315 SC GAUGHAN J
			1	040	W	1200-100PM	315 SC MITCHELL B
			1	041	W	1200-100PM	315 SC

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
ENGLISH/WRITING Dept. 24 (Cont.)								
			1	042	W	100- 200PM	315 SC	HATCHER R
			1	043	W	100- 200PM	315 SC	WEIDNER H
			1	044	W	200- 300PM	315 SC	HATCHER R
			1	045	W	200- 300PM	315 SC	CROAKE E
			1	046	W	300- 400PM	315 SC	CROAKE E
			1	047	W	400- 500PM	315 SC	ERICKSON L
			1	048	W	500- 600PM	315 SC	ERICKSON L
			1	049	W	600- 700PM	315 SC	WEIDNER H
			1	050	W	700- 800PM	315 SC	WEIDNER H
			1	051	W	800- 900PM	315 SC	WEIDNER H
			1	052	R	900-1000	315 SC	MINOCK D
			1	053	R	1000-1100	315 SC	MINOCK D
			1	054	R	1000-1100	315 SC	WEIDNER H
			1	055	R	1100-1200	315 SC	MINOCK D
			1	056	R	1100-1200	315 SC	WEIDNER H
			1	057	R	1200- 100PM	315 SC	MITCHELL B
			1	058	R	1200- 100PM	315 SC	WEIDNER H
			1	059	R	100- 200PM	315 SC	HATCHER R
			1	060	R	100- 200PM	315 SC	MITCHELL B
			1	061	R	200- 300PM	315 SC	HATCHER R
			1	062	R	200- 300PM	315 SC	CROAKE E
			1	063	R	600- 700PM	315 SC	
			1	064	R	700- 800PM	315 SC	HUNT B
			1	065	R	800- 900PM	315 SC	HUNT B
			1	066	F	900-1000	315 SC	SALERNO D
			1	067	F	1000-1100	315 SC	SALERNO D
			1	068	F	1000-1100	315 SC	HATCHER R
			1	069	F	1100-1200	315 SC	SALERNO D
			1	070	F	1100-1200	315 SC	HATCHER R
			1	071	F	1200- 100PM	315 SC	CROAKE E
			1	072	F	1200- 100PM	315 SC	WEIDNER H
			1	073	F	100- 200PM	315 SC	HATCHER R
			1	074	F	100- 200PM	315 SC	WEIDNER H
			1	075	F	200- 300PM	315 SC	CROAKE E
			1	076	F	200- 300PM	315 SC	HATCHER R
			1	077	F	300- 400PM	315 SC	CROAKE E
			1	078	S	900-1000	315 SC	
			1	079	S	1000-1100	315 SC	
			1	080	S	1100-1200	315 SC	
030	ENG FOREIGN BORN I		2	001	M W F	200- 300PM	238 LA	
			2	002	M W	700- 800PM	211 SC	
031	ENG FOREIGN BORN II		2	001	M W F	300- 400PM	211 SC	
040	BASIC WRITING - ESL	COREQ:000	3	001	M W F	1200- 100PM	306 SC	
050	BASIC WRITING I	COREQ: 000	4	001	M W F	900-1000	308 SC	
			4	002	M W F	900-1000	322 LA	
			4	003	M W F	100- 200PM	211 SC	CROAKE E
			4	004	M W	530- 700PM	310 SC	
			4	005	M W	530- 700PM	306 SC	
			4	006	T R	930-1100	306 SC	HATCHER R
			4	007	T R	1100-1230PM	306 SC	HATCHER R
061	BASIC WRITING II	COREQ: ENG 000	4	001	M W F	900-1000	308 SC	
			4	002	M W F	900-1000	322 LA	
			4	003	M W F	100- 200PM	211 SC	CROAKE E
			4	004	M W	530- 700PM	310 SC	
			4	005	M W	530- 700PM	306 SC	
			4	006	T R	930-1100	306 SC	HATCHER R
			4	007	T R	1100-1230PM	306 SC	HATCHER R
091	WRITING FUNDAMENTAL	COREQ: ENG000	4	001	M W F	900-1000	208 SC	
			4	002	M W F	1000-1100	208 SC	WILLIAMS T
			4	003	M W F	1100-1200	310 SC	WILLIAMS T
			4	004	M W F	1200- 100PM	211 SC	
			4	005	M W F	200- 300PM	211 SC	WILLIAMS T
			4	006	T R	800- 930	306 SC	
			4	007	T R	930-1100	313 SC	ERICKSON L
			4	008	T R	1100-1230PM	211 SC	ERICKSON L
			4	009	T R	1100-1230PM	308 SC	
			4	010	T R	1230- 200PM	211 SC	WILLIAMS T
			4	011	W	600- 900PM	306 SC	
			4	012	R	800- 900PM	306 SC	
			4	013	S	900- 100PM	308 SC	
100	COMMUNICATION SKILLS	COREQ: ENG 000	4	001	M W F	800- 900	306 SC	
			4	002	M W F	900-1000	211 SC	
			4	003	M W F	1000-1100	211 SC	
			4	004	M W F	1100-1200	308 SC	
			4	005	M W F	100- 200PM	310 SC	GAUGHAN J
			4	006	M W	530- 700PM	206 SC	
			4	007	T R	930-1100	308 SC	GAUGHAN J
			4	008	T R	1230- 200PM	310 SC	GAUGHAN J
			4	009	T R	530- 700PM	211 SC	
			4	010	F	900-1200	332 LA	
102	TERM PAPER		1	001	...	TO BE ARRANGED	...	SALERNO D
			1	002	...	TO BE ARRANGED	...	SALERNO D
			1	003	...	TO BE ARRANGED	...	SALERNO D
107	TECH COMMUNICATION	COREQ:ENG 000	3	001	T R	930-1100	208 SC	
			3	002	W	600- 900PM	242 LA	
111	COMPOSITION I	COREQ: ENG 000	4	001	M W F	800- 900	310 SC	SALERNO D
			4	002	M W F	800- 900	308 SC	
			4	003	M W F	900-1000	310 SC	GAUGHAN J
			4	004	M W	930-1100	209 SC	MITCHELL B
			4	005	M W F	1100-1200	207 SC	CROAKE E

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
ENGLISH/WRITING				Dept. 24 (Cont.)				
			4	006	M W F	1100-1200	208 SC	
			4	007	M W F	1100-1200	211 SC	
			4	008	M W F	1200- 100PM	311 SC	GAUGHAN J
			4	009	M W F	1200- 100PM	308 SC	
			4	010	M W F	1200- 100PM	310 SC	
			4	011	M W F	100- 200PM	308 SC	
			4	012	M W	100- 230PM	208 SC	MINOCK D
			4	013	M W	200- 330PM	308 SC	WEIDNER H
			4	014	M	700-1000PM	310 SC	
			4	015	T R	800- 930	308 SC	
			4	016	T R	800- 930	311 SC	
			4	017	T R	930-1100	310 SC	MITCHELL B
			4	018	T R	930-1100	211 SC	
			4	019	T R	1100-1230PM	310 SC	WILLIAMS T
			4	020	T R	1100-1230PM	208 SC	
			4	021	T R	1230- 200PM	308 SC	
			4	022	T	500- 800PM	310 SC	MITCHELL B
			4	023	T	800- 900PM	208 SC	
			4	024	T	700-1000PM	113 SC	HUNT B
			4	025	W	700-1000PM	308 SC	HUNT B
			4	026	R	530- 930PM	310 SC	
			4	027	S	900- 100PM	308 SC	
			4	055	M	800-1000PM	CHELS	
			4	089	W	800-1000PM	BRGHT	
122	COMPOSITION II	ENG 111	3	001	M W	800- 930	209 SC	MITCHELL B
			3	002	M W F	1000-1100	322 LA	
			3	003	M W F	1100-1200	209 SC	
			3	004	M W	100- 230PM	210 SC	
			3	005	T R	800- 930	310 SC	MITCHELL B
			3	006	T R	530- 700PM	208 SC	HUNT B
			3	007	T R	700- 830PM	208 SC	
145	WOMEN WRITERS		3	001	M	700-1000PM	308 SC	
160	INTRODUCTION TO LIT		3	001	M W	200- 330PM	310 SC	ERICKSON L
			3	002	R	530- 830PM	308 SC	
170	INTRODUCTION TO LIT		3	001	M W F	900-1000	308 SC	WEIDNER H
			3	002	M W F	1000-1100	310 SC	CROAKE E
			3	003	M W	100- 230PM	308 SC	SALERNO D
			3	004	M	500- 800PM	308 SC	HUNT B
			3	005	T R	200- 330PM	308 SC	
			3	082	W	700-1000PM	DEXTR	
			3	094	M	700-1000PM	SALNE	
210	CHILDRENS LIT		3	083	T	700-1000PM	AAY	CROAKE E
211	AMERICAN LITERATURE		3	001	T R	100- 230PM	208 SC	MINOCK D
212	ENGLISH LITERATURE		3	001	M W F	1000-1100	308 SC	GAUGHAN J
213	WORLD LITERATURE		3	001	T	700-1000PM	211 SC	
260	JOURNAL WORKSHOP	ENG 111	3	001	M W F	1100-1200	308 SC	WEIDNER H
261	JOURNAL WORKSHOP	ENG 260	3	001	M W F	1100-1200	308 SC	WEIDNER H
270	CREATIVE WRITING		3	001	M W F	1000-1100	308 SC	WEIDNER H
			3	002	T R	100- 230PM	308 SC	ERICKSON L
			3	003	T	800- 900PM	208 SC	ERICKSON L
			3	004	T	600- 900PM	308 SC	
			3	055	R	700-1000PM	CHELS	
			3	081	M	700-1000PM	YPSI	
			3	083	M	700-1000PM	AAY	
			3	089	W	800- 900PM	BRGHT	MINOCK D
271	CREATIVE WRITING II	ENG 270	3	001	M W F	1000-1100	308 SC	WEIDNER H
			3	002	T R	100- 230PM	308 SC	ERICKSON L
			3	003	T	800- 900PM	208 SC	ERICKSON L
			3	004	T	600- 900PM	308 SC	
			3	089	W	600- 900PM	BRGHT	MINOCK D

FINANCE (FIN) Dept. 43

220	PRIN OF FINANCE	ACC 122	3	001	M W	700- 830PM	110 OE	
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FIRE PROTECTION (FP) Dept. 79

099	LABOR RELAT PUBLIC		3	001	W	600- 900PM	108 SC	
100	INTRO TO FIRE PROT		3	001	M	600- 900PM	160 OE	ROBERTS J
103	FLAMMABLE MATERIALS		3	001	R	600- 900PM	160 OE	
250	FIRE PRO TRAIN METH		3	001	T	600- 900PM	160 OE	DANGLER W

FLUID POWER (FLP) Dept. 67

111	FLUID POWER FUND		4	001	M W	930-1200	116 TI	AGIN G
			4	002	M W	600- 830PM	116 TI	SCHULTZ G
			4	003	T R	600- 830PM	116 TI	AGIN G
			4	004	T R	930-1200	116 TI	SCHULTZ G
122	HYDRAULIC PUMPS		4	001	M	600-1000PM	120 TI	CARLSON A
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	AGIN G
199	ON THE JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	AGIN G
201	PLUMB AND PIPEFITNG		3	001	T R	530- 730PM	107 TI	

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
FRENCH (FRN)								Dept. 18
111	FIRST YEAR FRENCH		4	001	M W F	900-1000	311 SC	RADICK L
					R	900-1000	202 SC	
			4	002	M WRF	100-200PM	311 SC	RADICK L
			4	003	T R	700-900PM	202 LA	
120	BEG CONV FRENCH		2	060	S	1000-1200	BRAM	
			2	063	M	700-900PM	ANY	
121	INTERMED CONV FRENCH		2	001	R	700-900PM	210 SC	
189	STUDY PROBLEMS		1-6	001	***	TO BE ARRANGED	***	RADICK L
213	SECOND YEAR FRENCH		3	001	M W F	1100-1200	322 LA	RADICK L
GENERAL STUDIES (GS)								Dept. 15
111	FIRST YR RUSSIAN		3	001	M WRF	200-300PM	311 SC	RADICK L
189	STUDY PROBLEMS	CONSENT	1-6	001	***	TO BE ARRANGED	***	RADICK L
GEOGRAPHY (GEO)								Dept. 03
100	GEOG AND ENVIR(NMT)		3	001	R	700-1000PM	107 SC	HOLLANDER T
GEOLOGY (GLG)								Dept. 34
100	INTRO TO EARTH SCI		4	001	M W	900-1000	L3 LA	THOMAS D
					R	900-1100	201 LA	
			4	002	M W	900-1000	L3 LA	THOMAS D
					R	1200-300PM	201 LA	
			4	003	M	900-1000PM	201 LA	MACIOLEK A
					W	900-1000PM	201 LA	
125	HISTORICAL GEOLOGY	GLG 114	4	001	M W	1000-1100	201 LA	THOMAS D
					T	900-1200	201 LA	
GRAPHIC DESIGN TECHNOLOGY (GDT)								Dept. 77
100	TYPOGRAPHY I	MTH 151 OR EQUI	4	001	M W	100-400PM	108 OE	
			4	002	T R	600-900PM	108 OE	MARTIN J
101	DESIGN SURVEY		2	001	T	1230-230PM	110 OE	GUASTELLA D
114	PUBLICATION LAYOUT	GDT 112,113	4	001	M W	1000-1200	108 OE	GUASTELLA D
215	TYPOGRAPHY II	GDT 112,113	2	001	T R	1000-1200	124 OE	GUASTELLA D
			2	002	M W	700-900PM	124 OE	
216	GRAPHIC REPRO	ART 112	4	001	T R	1230-330PM	108 OE	MARTIN J
228	AIRBRUSH TECHNIQUES		4	001	M W	900-900PM	108 OE	
229	TECH SCREEN PRINT	GDT 216	4	001	T R	600-900PM	124 OE	WELCH D
236	SPECIALIZED STUDY		2-4	001	R	1230-330PM	110 OE	GUASTELLA D
			2-4	002	T	900-1000PM	108 OE	MARTIN J
HEALTH SCIENCE (HS)								Dept. 56
039	A & P REVIEW FOR PAT	COREQ HS 220	1	001	M	200-400PM	305 LA	
113	INTRO MED SCIENCE		2	001	T	300-500PM	168 OE	MARTIN L
			2	002	R	1000-1200	168 OE	MARTIN L
117	NUTRITION		2	001	W	900-1100	181 OE	JONES J
			2	002	T	700-900PM	181 OE	JONES J
147	GROWTH AND DEVELOPME	NUR STUDNTS/CON	3	001	M W	300-430PM	180 OE	GOODKIN B
220	PATHOPHYSIOLOGY	NUR STUDNTS/CON	4	001	T R	100-300PM	L3 LA	
244	MEDICAL ETHICS	NUR STUDNTS/CON	2	001	T	430-630PM	181 OE	VANDERVEEN J
HEATING (HTG)								Dept. 81
101	BOILER ACCESS	100 OR CONSENT	3	001	M	600-900PM	ANNX TI	KOWALSKI D
104	POWER PLT REFRIGE		3	001	T	900-900PM	ANNX TI	KOWALSKI D
122	HEATING SYSTEMS	111 AND CONSENT	5	001	M W	900-1000PM	125 TI	SWEENEY G
199	ON THE JOB TRAINING	CONSENT	1-6	001	***	TO BE ARRANGED	***	
215	HEAT PUMP SERVICING	CONSENT	5	001	T R	500-730PM	120 TI	
HISTORY (HST)								Dept. 04
101	WESTERN CIV TO 1600		3	001	M W F	900-1000	210 SC	REPS F
			3	002	M W F	1100-1200	206 SG	MICKELSON J
			3	003	M W F	1200-100PM	206 SC	MICKELSON J
			3	004	W	700-1000PM	307 SC	MICKELSON J
			3	005	M W F	1000-1100	210 SC	REPS F
			3	006	T R	930-1100	210 SC	REPS F
			3	007	M W	530-700PM	210 SC	REPS F
			3	094	W	700-1000PM	SALNE	
102	WEST CIV SINCE 1600		3	001	M W F	900-1000	206 SC	MICKELSON J
			3	002	M W F	1000-1100	206 SC	MICKELSON J
200	MICHIGAN HISTORY		3	001	T	700-1000PM	206 SC	JONES T
201	U S 1500 TO 1865		3	001	M W F	1200-100PM	210 SC	REPS F
			3	002	M	700-1000PM	210 SC	REPS F
			3	089	M	700-1000PM	BRIGHT	SMALL M
202	U S 1865 TO PRESENT		3	001	T R	1100-1230PM	210 SC	REPS F
HOTEL MOTEL MANAGEMENT (HMT)								Dept. 75
100	HOSPITALITY IND ACC		3	001	M	700-1000PM	107 OE	MOORE D
223	PRACT LODG & MGT	30 HRS IN PROGR	3	001	***	TO BE ARRANGED	***	BEAUCHAMP J
230	HOSPITALITY LAW		4	001	R	600-900PM	110 OE	WALTER L
HUMANITIES (HUM)								Dept. 22
101	INTRO TO HUMANITIES		3	001	T R	930-1100	242 LA	MICKELSON J
			3	002	M W	330-500PM	205 SC	THOMAS E
150	INTERNAT CINEMA		3	001	R	700-1000PM	CT LA	SUSNICK S

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
INDUSTRIAL DRAFTING (ID)							Dept. 53	
100	TECHNICAL DRAWING		4	001	M W	900-1200	130 OE	HENTZ G
			4	002	T R	1230- 330PM	130 OE	HENTZ G
			4	003	T R	800- 900PM	130 OE	
			4	009	M W	800- 900PM	BRIGHT	
105	PICTORIAL DRAFTING		2	001	T	800- 900PM	130 OE	
107	MECHANISMS		4	001	T R	800-1000	128 OE	PACKARD R
			4	002	M W	800- 900PM	128 OE	PACKARD R
111	INDUSTRIAL DRAFTING	100 OR CONSENT	4	001	T R	900-1200	128 OE	PACKARD R
			4	002	M W	700-1030PM	128 OE	PACKARD R
112	DESCRIPTIVE GEOM	100 OR CONSENT	4	001	M W	900-1200	128 OE	FORD A
			4	002	T R	900- 900PM	128 OE	HENTZ G
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	PACKARD J
			1-8	002	...	TO BE ARRANGED	...	FORD A
199	ON THE JOB TRAINING	CONSENT	1-8	001	...	TO BE ARRANGED	...	FORD A
212	THEORY OF DIES	T&D APPR	2	001	M	500- 900PM	120 TI	
218	INTRO COMP AID DRAFT	100 OR CONSENT	2	001	W	100- 400PM	184 OE	FORD A
			2	002	M	800- 900PM	184 OE	STAGER A
			2	003	S	900-1200	184 OE	STAGER A
			2	001	M	100- 500PM	184 OE	FORD A
217	INTRO TO 3D CAD	ID 218,112 OR E	2	002	T	800-1000PM	184 OE	
			2	001	...	TO BE ARRANGED	...	HENTZ G
218	INTERACTIVE CAD		2	001	...	TO BE ARRANGED	...	
219	2-D CAD PLNG & DRWG		3	001	M W	900-1200	184 OE	STAGER A

NOTE: LAB TO BE ARRANGED

251	FUND OF ELEC DRAFT 1	111 OR CONSENT 2 2	001	M	100- 400PM	184 OE 128 OE	STAGER A PACKARD R	
INTEGRATED MANUFACTURING (IM)						Dept. 36		
121	ROBOTICS I /INTRO		3	001	T R	1230- 200PM	118 TI	SCHULTZ G
			3	002	T	800-1000PM	113 OE	LOWE S
			3	003	M W	1230- 230PM	118 TI	SCHULTZ G
			3	089	R	800-1000PM	BRIGHT	BOURGET D
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	AGIN G
199	ON JOB TRAINING		2-6	001	...	TO BE ARRANGED	...	AGIN G
223	ROBOTICS III		4	001	M W	1230- 330PM	126 TI	AGIN G
			4	002	T R	800- 900PM	120 TI	SCHULTZ G

INTERN EXTERN (IE)							Dept. 44	
200	INTERN EXTERN	CONSENT	2-8	001	T	400- 500PM	108 SC	BELLERS C
MANAGEMENT & MARKETING (MGT)							Dept. 47	
150	LABOR MGT RELATIONS		3	001	T R	1100-1230PM	103 SC	MCNALLY R
			3	002	M W	830-1000PM	244 LA	
160	PRIN OF SALES	BUS 140	3	001	T R	1100-1230PM	106 SC	ZEEB R
			3	002	M W	700- 830PM	103 SC	ROSS F
			3	080	T	800- 900PM	BRIAR	
			3	089	R	700-1000PM	BRIGHT	
200	HUMAN REL IN BUS IN	BUS 140	3	001	M W	1200- 130PM	244 LA	PAULSON R
			3	002	T R	1230- 200PM	236 LA	PAULSON R
			3	003	T R	830-1000PM	108 SC	
			3	001	T R	1100-1230PM	187 OE	ROSS F
208	PRIN OF MANAGEMENT		3	002	M W	830-1000PM	108 SC	STURROCK J
			3	050	...	TO BE ARRANGED	...	ARNOLD G
			3	055	W	700-1000PM	CHELS	
			3	094	M	700-1000PM	SALNE	
209	SMALL BUS MGT		3	001	T R	700- 830PM	103 SC	ARNOLD G
211	SMALL BUS MGT/WOMEN		4	001	T	800- 830PM	163 SC	ARNOLD G
					R	700- 830PM	108 SC	
215	SMALL BUSINESS MGT		3	001	M W	1230- 200PM	103 SC	ARNOLD G
220	WOMEN IN MANAGEMENT		3	001	M	530- 830PM	132 OE	ARNOLD G
230	SUPERVISORY MGT		3	001	M W	200- 330PM	244 LA	ARNOLD G
			3	002	T R	530- 700PM	238 LA	ARNOLD G
240	PERSONNEL MGT	BUS 140&MGT 208	3	001	M W F	1000-1100	103 SC	BELLERS C
			3	002	M W	700- 830PM	108 SC	STURROCK J
250	PRIN OF MARKETING		3	001	T R	200- 330PM	238 LA	ROSS F
			3	002	M W	530- 700PM	103 SC	ROSS F

MATHEMATICS (MTH)							Dept. 30	
036	MATH ANXIETY		1	001	M	200- 400PM	322 LA	HASTINGS J
NOTE: MEETS 9/3 TO 10/24								
038	BUILD MATH CONF		1	001	M	200- 400PM	322 LA	HASTINGS J
NOTE: MEETS 10/27 TO 12/19								
039	BASIC MATHEMATICS		3	001	M W	900-1030	320 LA	MEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	323 LA	BATELL M
			3	004	T R	900-1030	320 LA	MEALING P
			3	005	T R	900-1030	320 LA	LEWIS W
			3	006	T R	900-1030	323 LA	
			3	007	F	900-1200	320 LA	MEALING P
			3	008	S	900-1200	320 LA	
			3	009	M W	1030-1200	320 LA	MEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	320 LA	MEALING P
			3	012	T R	1030-1200	320 LA	BILA D

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
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MATHEMATICS (MTH) Dept. 30 (Cont.)

3	013	T R	1030-1200	320 LA	LEWIS W
3	014	T R	1030-1200	323 LA	
3	015	M W	1200- 130PM	320 LA	MEALING P
3	016	M W	1200- 130PM	320 LA	GOLDBERG D
3	017	M W	1200- 130PM	320 LA	SZADY S
3	018	T R	1200- 130PM	323 LA	HASTINGS J
3	019	T R	1200- 130PM	320 LA	PRICHARD L
3	020	M W	130- 300PM	320 LA	BILA D
3	021	M W	130- 300PM	320 LA	BOTTORFF R
3	022	T R	130- 300PM	320 LA	BOTTORFF R
3	023	T R	130- 300PM	323 LA	HASTINGS J
3	024	M W	300- 430PM	320 LA	BILA D
3	025	M	530-630PM	320 LA	LEWIS W
3	026	M	530- 830PM	320 LA	HOAD E
3	027	M	530- 830PM	320 LA	GRODMAN H
3	028	T	530- 830PM	320 LA	MCGILL J
3	029	T	530- 830PM	320 LA	PRICHARD L
3	030	T	530- 830PM	320 LA	LEE A
3	031	W	530- 830PM	320 LA	HOAD E
3	032	W	530- 830PM	320 LA	PRICHARD L
3	033	R	530- 830PM	320 LA	WELCH E
3	034	R	530- 830PM	320 LA	
3	035	T R	230- 330PM	332 LA	PRICHARD L
3	054	W	830- 930PM	CHELS	MCGILL J
3	056	R	830- 930PM	CHELS	SMITH G
3	062	T	830- 930PM	DEXTR	BATELL M
3	077	M W	400- 530PM	FD/YP	
3	081	R	830- 930PM	YPSI	THOMSON B
3	089	T	830- 930PM	BRIGHT	STEELE A
3	090	W	830- 930PM	BRIGHT	STEELE A
3	093	M	830- 930PM	SALNE	SMITH K
3	094	W	830- 930PM	SALNE	SMITH G
045	MATH REVIEW NURSING				
3	001	M W F	1200- 100	340 LA	HASTINGS J

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

090	OCCUP MATH	MTH 039	3	001	M W	900-1030	320 LA	MEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	323 LA	BATELL M
			3	004	T R	900-1030	320 LA	MEALING P
			3	005	T R	900-1030	320 LA	LEWIS W
			3	006	T R	900-1030	323 LA	
			3	007	F	900-1200	320 LA	MEALING P
			3	008	S	900-1200	320 LA	
			3	009	M W	1030-1200	320 LA	MEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	320 LA	MEALING P
			3	012	T R	1030-1200	320 LA	BILA D
			3	013	T R	1030-1200	320 LA	LEWIS W
			3	014	T R	1030-1200	323 LA	
			3	015	M W	1200- 130PM	320 LA	MEALING P
			3	016	M W	1200- 130PM	320 LA	GOLDBERG D
			3	017	M W	1200- 130PM	320 LA	SZADY S
			3	018	T R	1200- 130PM	323 LA	HASTINGS J
			3	019	T R	1200- 130PM	320 LA	PRICHARD L
			3	020	M W	130- 300PM	320 LA	BILA D
			3	021	M W	130- 300PM	320 LA	BOTTORFF R
			3	022	T R	130- 300PM	320 LA	BOTTORFF R
			3	023	T R	130- 300PM	323 LA	HASTINGS J
			3	024	M W	300- 430PM	320 LA	BILA D
			3	025	M	530- 830PM	320 LA	LEWIS W
			3	026	M	530- 830PM	320 LA	HOAD E
			3	027	M	530- 830PM	320 LA	GRODMAN H
			3	028	T	530- 830PM	320 LA	MCGILL J
			3	029	T	530- 830PM	320 LA	PRICHARD L
			3	030	T	530- 830PM	320 LA	LEE A
			3	031	W	530- 830PM	320 LA	HOAD E
			3	032	W	530- 830PM	320 LA	PRICHARD L
			3	033	R	530- 830PM	320 LA	WELCH E
			3	034	R	530- 830PM	320 LA	
		LECTURE	3	035	T R	1200- 130PM	340 LA	SHOWALTER M
			3	054	W	830- 930PM	CHELS	MCGILL J
			3	056	R	830- 930PM	CHELS	SMITH G
			3	062	T	830- 930PM	DEXTR	BATELL M
			3	077	M W	400- 530PM	FD/YP	
			3	081	R	830- 930PM	YPSI	THOMSON B
			3	089	T	830- 930PM	BRIGHT	STEELE A
			3	090	W	830- 930PM	BRIGHT	STEELE A
			3	093	M	830- 930PM	SALNE	SMITH K
			3	094	W	830- 930PM	SALNE	SMITH G

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

097	INTRO ALGEBRA	MTH 039	4	001	M W F	1000-1140	340 LA	ROSS D
			4	002	M W	200- 430PM	340 LA	LEWIS W
			4	003	T R	700- 930PM	340 LA	MATTHEWS W

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
MATHEMATICS (MTH) Dept. 30 (Cont.)								
097A	INTRO ALGEBRA	MTH 039	3	001	M W	900-1030	320 LA	MEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	323 LA	BATELL M
			3	004	T R	900-1030	320 LA	MEALING P
			3	005	T R	900-1030	320 LA	LEWIS W
			3	006	T R	900-1030	323 LA	
			3	007	F	900-1200	320 LA	MEALING P
			3	008	S	900-1200	320 LA	
			3	009	M W	1030-1200	320 LA	MEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	320 LA	MEALING P
			3	012	T R	1030-1200	320 LA	BILA D
			3	013	T R	1030-1200	320 LA	LEWIS W
			3	014	T R	1030-1200	323 LA	
			3	015	M W	1200- 130PM	320 LA	MEALING P
			3	016	M W	1200- 130PM	320 LA	GOLDBERG D
			3	017	M W	1200- 130PM	320 LA	SZADY S
			3	018	T R	1200- 130PM	323 LA	HASTINGS J
			3	019	T R	1200- 130PM	320 LA	PRICHARD L
			3	020	M W	130- 300PM	320 LA	BILA D
			3	021	M W	130- 300PM	320 LA	BOTTORFF R
			3	022	T R	130- 300PM	320 LA	BOTTORFF R
			3	023	T R	130- 300PM	323 LA	HASTINGS J
			3	024	M W	300- 430PM	320 LA	BILA D
			3	025	M	530- 830PM	320 LA	LEWIS W
			3	026	M	530- 830PM	320 LA	NOAD E
			3	027	M	530- 830PM	320 LA	GRODMAN H
			3	028	T	530- 830PM	320 LA	MCGILL J
			3	029	T	530- 830PM	320 LA	PRICHARD L
			3	030	T	530- 830PM	320 LA	LEE A
			3	031	W	530- 830PM	320 LA	NOAD E
			3	032	W	530- 830PM	320 LA	PRICHARD L
			3	033	R	530- 830PM	320 LA	WELCH E
			3	034	R	530- 830PM	320 LA	
			3	054	W	630- 930PM	CHLS	MCGILL J
			3	055	R	630- 930PM	CHLS	SMITH G
			3	062	T	630- 930PM	DEXTR	BATELL M
			3	077	M W	400- 630PM	FD/YP	
			3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRIGHT	STEELE A
			3	090	W	630- 930PM	BRIGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

097B	INTRO ALGEBRA	MTH 097A	3	001	M W	900-1030	320 LA	MEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	323 LA	BATELL M
			3	004	T R	900-1030	320 LA	MEALING P
			3	005	T R	900-1030	320 LA	LEWIS W
			3	006	T R	900-1030	323 LA	
			3	007	F	900-1200	320 LA	MEALING P
			3	008	S	900-1200	320 LA	
			3	009	M W	1030-1200	320 LA	MEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	320 LA	MEALING P
			3	012	T R	1030-1200	320 LA	BILA D
			3	013	T R	1030-1200	320 LA	LEWIS W
			3	014	T R	1030-1200	323 LA	
			3	015	M W	1200- 130PM	320 LA	MEALING P
			3	016	M W	1200- 130PM	320 LA	GOLDBERG D
			3	017	M W	1200- 130PM	320 LA	SZADY S
			3	018	T R	1200- 130PM	323 LA	HASTINGS J
			3	019	T R	1200- 130PM	320 LA	PRICHARD L
			3	020	M W	130- 300PM	320 LA	BILA D
			3	021	M W	130- 300PM	320 LA	BOTTORFF R
			3	022	T R	130- 300PM	320 LA	BOTTORFF R
			3	023	T R	130- 300PM	323 LA	HASTINGS J
			3	024	M W	300- 430PM	320 LA	BILA D
			3	025	M	530- 830PM	320 LA	LEWIS W
			3	026	M	530- 830PM	320 LA	NOAD E
			3	027	M	530- 830PM	320 LA	GRODMAN H
			3	028	T	530- 830PM	320 LA	MCGILL J
			3	029	T	530- 830PM	320 LA	PRICHARD L
			3	030	T	530- 830PM	320 LA	LEE A
			3	031	W	530- 830PM	320 LA	NOAD E
			3	032	W	530- 830PM	320 LA	PRICHARD L
			3	033	R	530- 830PM	320 LA	WELCH E
			3	034	R	530- 830PM	320 LA	
			3	054	W	630- 930PM	CHLS	MCGILL J
			3	055	R	630- 930PM	CHLS	SMITH G
			3	062	T	630- 930PM	DEXTR	BATELL M
			3	077	M W	400- 630PM	FD/YP	
			3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRIGHT	STEELE A
			3	090	W	630- 930PM	BRIGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
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MATHEMATICS (MTH) Dept. 30 (Cont.)

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

114	SPECIAL NEEDS		1-6	001	M W	1200- 300PM	208 SC	MCGILL J
			1-6	002	T R	1200- 300PM	208 SC	MCGILL J
151	APPLIED ALGEBRA	MTH 039	4	001	T R	1100- 130PM	320 LA	BOTTORFF R
			4	002	M W	1200- 230PM	320 LA	LEE A
			4	003	T R	900- 830PM	320 LA	
			4	004	M W	700- 830PM	320 LA	LEE A
152	APPLIED GEOM-TRIG	MTH 097 OR 151	4	001	M W	1200- 200PM	322 LA	THOMSON B
			4	002	T R	500- 700PM	322 LA	DOWDING T
160	BASIC STATISTICS	MTH 097	4	001	M W	500- 700PM	322 LA	MOY W
163	BUSINESS MATH	MTH 039	3	001	M W	900-1030	323 LA	SHOWALTER M
			3	002	T R	900-1030	323 LA	REMEN J
			3	003	F	900-1200	320 LA	
			3	004	M W	1030-1200	323 LA	HASTINGS J
			3	005	T R	1030-1200	323 LA	REMEN J
			3	006	M W	1200- 130PM	323 LA	
			3	007	T R	1200- 130PM	323 LA	SHOWALTER M
			3	008	M	530- 830PM	323 LA	REMEN J
			3	009	T	530- 830PM	323 LA	
			3	010	W	530- 830PM	323 LA	MATTHEWS W
			3	054	W	830- 930PM	CHELS	MCGILL J
			3	055	R	830- 930PM	CHELS	SMITH G
			3	062	T	830- 930PM	DEXTR	BATELL M
			3	077	M W	400- 630PM	FD/YP	
			3	081	R	630- 830PM	YPSI	THOMSON B
			3	089	T	630- 830PM	BRIGHT	STEELE A
			3	090	W	630- 830PM	BRIGHT	STEELE A
			3	093	M	830- 930PM	SALNE	SMITH K
			3	094	W	830- 930PM	SALNE	SMITH G

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

165	HEALTH SCIENCE MATH	MTH 039	3	097	R	500- 800PM		FISHER E
			3	001	M W	900-1030	323 LA	SHOWALTER M
			3	002	T R	900-1030	323 LA	REMEN J
			3	003	F	900-1200	320 LA	
			3	004	M W	1030-1200	323 LA	HASTINGS J
			3	005	T R	1030-1200	323 LA	REMEN J
			3	006	M W	1200- 130PM	323 LA	
			3	007	T R	1200- 130PM	323 LA	SHOWALTER M
			3	008	M	530- 830PM	323 LA	REMEN J
			3	009	T	530- 830PM	323 LA	
			3	010	W	530- 830PM	323 LA	MATTHEWS W

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

169	INTERMEDIATE ALG	MTH 097	4	001	M W	900-1100	334 LA	BRINGARDNER
			4	002	T R	1000-1200	340 LA	PRICHARD L
			4	003	M W	100- 300PM	334 LA	BATELL M
			4	004	T R	500- 700PM	332 LA	WEISS J
			4	005	M W	700- 900PM	334 LA	LANDMAN L
169 A	INTERMEDIATE ALG	MTH 097	3	001	M W	900-1030	320 LA	PALAY R
			3	002	T R	900-1030	320 LA	PALAY R
			3	003	S	900-1200	323 LA	MCGILL J
			3	004	F	900-1200	320 LA	PRICHARD L
			3	005	M W	1030-1200	320 LA	GOLDBERG D
			3	006	T R	1030-1200	320 LA	MEALING P
			3	007	M W	1200- 130PM	323 LA	HASTINGS J
			3	008	T R	1200- 130PM	320 LA	BILA D
			3	009	M	530- 830PM	323 LA	WIRBEL J
			3	010	T	530- 830PM	323 LA	BRINGARDNER
			3	011	W	530- 830PM	323 LA	WIRBEL J
			3	054	W	830- 930PM	CHELS	MCGILL J
			3	055	R	830- 930PM	CHELS	SMITH K
			3	062	T	830- 930PM	DEXTR	BATELL M
			3	077	M W	400- 630PM	FD/YP	
			3	081	R	630- 830PM	YPSI	THOMSON B
			3	089	T	630- 830PM	BRIGHT	STEELE A
			3	090	W	630- 830PM	BRIGHT	STEELE A
			3	093	M	830- 930PM	SALNE	SMITH K
			3	094	W	830- 930PM	SALNE	SMITH G

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 039,090,097A, 097B,163,165,169A,169B,177

169 B	INTERMEDIATE ALG	MTH 169A	3	001	M W	900-1030	320 LA	PALAY R
			3	002	T R	900-1030	320 LA	PALAY R
			3	003	S	900-1200	323 LA	MCGILL J
			3	004	F	900-1200	320 LA	PRICHARD L
			3	005	M W	1030-1200	320 LA	GOLDBERG D
			3	006	T R	1030-1200	320 LA	MEALING P
			3	007	M W	1200- 130PM	323 LA	HASTINGS J
			3	008	T R	1200- 130PM	320 LA	BILA D
			3	009	M	530- 830PM	323 LA	WIRBEL J
			3	010	T	530- 830PM	323 LA	BRINGARDNER
			3	011	W	530- 830PM	323 LA	WIRBEL J

Course Number Title Prerequisite Cr. Number Days Hours Room Instructor

MATHEMATICS (MTH) Dept. 36 (Cont.)

3	054	W	830- 850PM	CHELS	MCNEIL J
3	055	R	830- 850PM	CHELS	SANTH G
3	062	T	830- 850PM	DEXTR	BATELL M
3	077	M W	400- 530PM	FD/YP	
3	081	R	830- 850PM	YPSI	THOMSON B
3	088	T	830- 850PM	BRIGHT	STEELE A
3	090	W	830- 850PM	BRIGHT	STEELE A
3	093	M	830- 850PM	SALME	SANTH K
3	094	W	830- 850PM	SALME	SANTH G

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 038,080,097A, 097B,163,165,166A,166B,177

1**	TRIANGLE TRIG	MTH 08*	3	001	M W	900-1030	320 LA	PALAY R
			3	002	T R	900-1030	320 LA	PALAY R
			3	003	S	900-1200	323 LA	MCGILL J
			3	004	F	900-1200	320 LA	PRICHARD L
			3	005	M W	1030-1200	320 LA	GOLDBERG D
			3	006	T R	1030-1200	320 LA	MEALING P
			3	007	M W	1200-130PM	323 LA	HASTINGS J
			3	008	T R	1200-130PM	320 LA	BILA D
			3	009	M	530- 850PM	323 LA	WHEEL J
			3	010	T	530- 850PM	323 LA	SPRINGARDNER
			3	011	W	530- 850PM	323 LA	WHEEL J
			3	014	W	830- 850PM	CHELS	MCNEIL J
			3	015	R	830- 850PM	CHELS	SANTH G
			3	016	T	830- 850PM	DEXTR	BATELL M
			3	017	F	400- 530PM	FD/YP	
			3	018	M	830- 850PM	YPSI	THOMSON B
			3	019	T	830- 850PM	BRIGHT	STEELE A
			3	020	W	830- 850PM	BRIGHT	STEELE A
			3	023	M	830- 850PM	SALME	SANTH K
			3	024	W	830- 850PM	SALME	SANTH G

NOTE: INDIVIDUALIZED INSTRUCTION FOR ALL SECTIONS OF MATH 038,080,097A, 097B,163,165,166A,166B,177

13	GENERAL TRIG	MTH 16*	3	001	T R	900-1230	342 LA	BOTTORFF R
			3	002	M W	1200-130PM	332 LA	BOTTORFF R
			3	003	F	530- 850PM	340 LA	
			3	004	S	530- 850PM	340 LA	BLOVE R
14	DIFFERENTIALS	MTH 16*	3	001	T R	900-1230	334 LA	SHOWALTER M
			3	002	M W	1200-130PM	334 LA	BATELL M
			3	003	F	1200-130PM	340 LA	BILA D
			3	004	S	500-120PM	334 LA	LEE A
			3	005	T R	700- 850PM	334 LA	KALFFMAN J
15	MATH ANALYSIS	MTH 16*	3	001	T R	1200-130PM	342 LA	LEWIS W
			3	002	M W	700- 850PM	342 LA	EGAN J
16	MATH ANALYSIS	MTH 16*	3	001	T R	500-120PM	342 LA	HUOSON S
17	CALCULUS	MTH 16**	3	001	M W	900-1230	332 LA	BOTTORFF R
			3	002	T R	900-1230	332 LA	HASTINGS J
			3	003	F	1200-130PM	342 LA	
			3	004	S	500-120PM	332 LA	BILA D
			3	005	T R	700- 850PM	332 LA	GROOMAN H
18	CALCULUS	MTH 16*	3	001	T R	1200-130PM	322 LA	PALAY R
			3	002	M W	700- 850PM	322 LA	ALKANA A
19	LINEAR ALGEBRA	MTH 16*	3	001	T R	1200-130PM	342 LA	BATELL M
			3	002	M W	500-120PM	342 LA	ALKANA A
20	CALCULUS	MTH 16**	3	001	T R	1200-130PM	342 LA	BATELL M
			3	002	M W	700- 850PM	322 LA	WEISS J
21	DIFFERENTIAL EQUAT	MTH 16**	3	001	T R	500-120PM	334 LA	EGAN J

MECHANICAL TECHNOLOGY (MT) Dept. 68

22	MATH FOR MECHANICAL		3	001	T	1200-130PM	113 OE	LOWE B
			3	002	R	530- 850PM	113 OE	LOWE B
23	MATH FOR MECHANICAL		3	001	M	400-120PM	113 OE	PANOWSKI J
			3	002	W	900-1230	113 OE	
24	MATH FOR MECHANICAL		3	001	K	800- 800PM	118 TI	ABLONDI H
			3	002	T	800- 800PM	118 TI	AVERY D
			3	003	F	800- 800PM	118 TI	MICKELSON B
			3	004	S	800- 800PM	118 TI	STAGER A
25	MATH FOR MECHANICAL		3	001	T	1200-130PM	113 OE	AVERY D
			3	002	R	800-1230	113 OE	AVERY D
			3	003	F	800-1230	113 OE	
			3	004	S	800- 800PM	118 TI	AVERY D
			3	005	T	800- 800PM	118 TI	
			3	006	R	1200-130PM	118 TI	AVERY D
			3	007	W	800- 800PM	118 TI	LOWE B
			3	008	M	800- 800PM	118 TI	LOWE B
26	MATH FOR MECHANICAL		3	001	T	800- 800PM	118 TI	AVERY D
			3	002	R	1200-130PM	118 TI	AVERY D
27	MATH FOR MECHANICAL		3	001	T	800- 800PM	118 TI	LOWE B
			3	002	R	1200-130PM	118 TI	LOWE B

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
MUSIC (MUS) Dept. 20								
102	WCC STRING ENSEMBLE	AUDITION	2	001	T R	700- 800PM	109 AC	LAWRENCE M
103	WCC JAZZ ORCHESTRA		1	001	T R	1100-1230PM	109 AC	LAWRENCE M
106	JAZZ COMBO		1	001	T R	1000-1100	109 AC	SWAIN D
			1	002	M	400- 600PM	109 AC	
136	GOSPEL CHORUS		1	001	M F	1200- 100PM	100 AC	MILLER M
140	BASIC MUSICIANSHIP		3	001	T R	100- 230PM	100 AC	LARKINS C
143	COMP THEORY&ARRANG		2	001	T R	900-1000	111 AC	SWAIN D
146	SONGWRITING		3	001	T R	200- 330PM	109 AC	LAWRENCE M
			3	002	S	900-1200	111 AC	LAWRENCE J
147	ENTERTAINMENT LAW		2	001	W	800-1000PM	100 AC	NORTHCROSS W
149	SIGHT-SING/EAR TRAIN		2	001	M W	1200- 100PM	111 AC	SWAIN D
152	MUSIC THEORY I		3	001	R	700-1000PM	111 AC	LOYD C
157	JAZZ IMPROVISATION		2	001	M F	200- 300PM	100 AC	
170	AUDIO RECORDING TECH		3	001	M	800- 900PM	111 AC	MARTENS R
180	MUSIC APPRECIATION		3	001	M W F	200- 300PM	109 AC	LAWRENCE M
			3	002	T	700-1000PM	109 AC	LARKINS C
183	AFROMUSICOLOGY		3	001	M W F	1100-1200	109 AC	LAWRENCE M
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	LAWRENCE M
204	VOICE		2	001	T R	1100-1200	100 AC	FOLK M
206	VOCAL PERFORMANCE		1	001	T	1200- 100PM	100 AC	FOLK M
			1	002	T	1200- 100PM	100 AC	REED H
210	FUNCTIONAL PIANO		2	001	R	700- 900PM	100 AC	PHIBBS K
			2	002	M	700- 900PM	110 AC	PHIBBS K
213	INTERMEDIATE PIANO		2	001	M	700-1000PM	109 AC	PHIBBS K
216	PIANO: JAZZ&BLUES		2	001	W F	1200- 100PM	100 AC	REED H
225	BEGINNING JAZZ DRUM		2	001	W	230- 430PM	100 AC	
233	BEGINNING GUITAR		2	001	W	800- 900PM	100 AC	KANE S
			2	002	M	900-1100	100 AC	KANE S
236	INTERMEDIATE GUITAR		2	001	W	800-1000PM	111 AC	KANE S
239	JAZZ GUITAR		2	001	M	800- 900PM	111 AC	LAWRENCE J
			2	002	W	800- 900PM	111 AC	LAWRENCE J
242	BASS GUITAR		2	001	M	800-1000PM	111 AC	LAWRENCE J
249	INTRO JAZZ FLUTE		2	001	M W	1000-1100	109 AC	
250	BEGINNING FLUTE SAX		2	001	T R	900-1000	109 AC	LOYD C
270	APPLIED VIOLIN		2	001	T	500- 700PM	109 AC	KAUFFMAN D

NUMERICAL CONTROL (NC) Dept. 66								
100	INTRO TO NUM CONT		3	001	T	900-1200	114 TI	DICK R
			3	002	T	800- 900PM	107 TI	DICK R
111	MFG PROC NUM CONTR		4	001	M	800-1000PM	107 TI	FLESZAR C
121	MAN PROG-NC TOOL OP	NC100,MT111,MTH	3	001	W	800- 100PM	114 TI	DICK R
			3	002	W	800-1000PM	107 TI	ERSKINE S
122	AD MAN PROG/TOOL OP	NC121,MTH152	3	001	R	800-1000PM	114 TI	DICK R
224	APT 111 COM PROG	NC 121,122	4	001	T	800-1000PM	114 TI	DONAHAY J
225	NUM CONTRL GRAPHICS	NC 213	3	001	T	800-1000PM	114 TI	DONAHAY J

NURSING (NUR) Dept. 57								
039	STATE BOARD PREP	CONSENT	1	001	M	500- 800PM	170 OE	VANDERVEEN J
100	NURSING FUNDAMENTAL		5	001	{ M T	200- 300PM 100- 300PM	170 OE 170 OE	VANDERVEEN J

NOTE: 7 HOURS OF LAB REQUIRED FOR THIS COURSE

5	002	{ M T	200- 300PM 100- 300PM	170 OE 170 OE	GOODKIN B
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NOTE: 7 HOURS OF LAB REQUIRED FOR THIS COURSE

110	CLINICAL PRACTICE		1	001	...	TO BE ARRANGED	...	GOODKIN B
111	PHARMACOLOGY I		1	001	{ M W	100- 200PM 1100-1200	170 OE 181 OE	GOODKIN B
118	PERS & COMM HEALTH		1	001	T	300- 400PM	170 OE	GOODKIN B
144	PHARM FOR NURSES	LPN,RN,GPN,GN O	5	001	T R	830- 900PM	170 OE	GILBERT C
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	GOODKIN B
			1-8	002	...	TO BE ARRANGED	...	KNOLL G
			1-8	003	...	TO BE ARRANGED	...	VANDERVEEN J
200	NUR ROLE TRANSITION	LEVEL II ADMIT	4	001	{ M T W	900-1100 1100-1200 800-1100	181 OE 181 OE 170 OE	KNOLL G
230	ADV PAR/CHLD NUR PR	COREQ NUR 235	2	001	...	TO BE ARRANGED	...	KNOLL G
			2	002	...	TO BE ARRANGED	...	KNOLL G
235	ADV PARNT CHILD NUR	NUR 200	3	001	MTW	1200- 200PM	181 OE	KNOLL G
			3	002	MTW	1200- 200PM	181 OE	KNOLL G
240	COMPL MED SURG PRAC	COREQ NUR 245	3	001	...	TO BE ARRANGED	...	VANDERVEEN J
			3	002	...	TO BE ARRANGED	...	VANDERVEEN J
245	COMPL MED SURG THRY		3	001	{ MT W	1200- 200PM 900-1100	160 OE 160 OE	VANDERVEEN J
			3	002	{ MT W	1200- 200PM 900-1100	160 OE 160 OE	VANDERVEEN J
260	NUR MGT & TRENDS	NUR 200	2	001	M	215- 415PM	181 OE	KNOLL G

PHARMACY TECH (PHT) Dept. 58								
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	
198	PHARMACY EXP	CONSENT	8	001	...	TO BE ARRANGED	...	SCHUMANN W

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
PHILOSOPHY (PHL)								Dept. 14
101	INTRO TO PHILOSOPHY		3	001	M W F	1000-1100	238 LA	THOMAS E
			3	002	M W F	1100-1200	242 LA	THOMAS E
			3	003	T R	930-1100	322 LA	KIBENS M
			3	004	T R	1100-1230PM	238 LA	KIBENS M
			3	005	M W	1200- 130PM	242 LA	KIBENS M
			3	006	W	700-1000PM	210 SC	THOMAS E
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	KIBENS M
			1-8	002	...	TO BE ARRANGED	...	THOMAS E
250	LOGIC		3	001	M W	130- 300PM	242 LA	KIBENS M
			3	002	T	630- 930PM	242 LA	GOLDBERG D
			3	003	F	900-1200	334 LA	KIBENS M

PHOTOGRAPHY (PHO)								Dept. 72
080	GENERAL PHOTO		2	081	W	700-1000PM	YPSI	KELLMAN T
			2	083	W	700-1000PM	AAY	JOHNSON R
101	PHOTO & ENVIRONMENT		3	001	W	900- 100PM	110 OE	
103	HISTORY OF PHOTO		2	001	M	1000-1200	110 OE	TAYLOR S
111	PHOTOGRAPHY		4	001	M	100- 300PM	101 OE	
					W	100- 500PM	101 OE	
			4	002	T	800-1200	101 OE	AUGUSTUS H
					R	1000-1200	101 OE	
			4	003	T	100- 500PM	101 OE	
					R	100- 300PM	101 OE	
			4	004	M	600- 800PM	101 OE	BURGHARDT L
					W	600-1000PM	107 OE	
114	BASIC COLOR PHOTO	111	3	001	F	100- 500PM	101 OE	
			3	002	T	600-1000PM	101 OE	FORSHEE P
115	PHOTO RETOUCHING	PHO 111	2	002	F	600- 900PM	108 OE	TALBOT D
199	ON JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	
201	INTRO FASHION PHOTO	PHO 112	2	001	M	100- 400PM	107 OE	
220	ADVANCED STUDIO	113	3	001	W	800-1200	107 OE	RUSSELL D
			3	002	R	600-1000PM	107 OE	
221	ADV DARKROOM TECH	113	3	001	M	800-1200	107 OE	
					R	900-1200	107 OE	
			3	002	M	600-1000PM	107 OE	
					F	800- 900PM	107 OE	
222	ADV COLOR PHOTO	114	3	001	S	900- 300PM	101 OE	WILSON J
223	PHOTO OPERATIONS		3	001	R	600-1000PM	101 OE	CHUN E
230	SPECIALIZED STUDY	CONSENT	2-5	001	...	TO BE ARRANGED	...	

PHYSICAL EDUCATION ACTIVITIES (PEA) Dept. 29

106	NAUTILUS WGHY TRAIN		2	001	T R	1000-1100		SLEPSKY L
			2	002	T R	1100-1200		SLEPSKY L
			2	003	T R	1200- 100PM		SLEPSKY L
			2	004	T R	100- 200PM		SLEPSKY L

NOTE: ALL CLASSES MEET AT: ANN ARBOR COURT CLUB, 2875 BOARDWALK, ANN ARBOR, 662-0243
YOGA IS LISTED UNDER ANTHROPOLOGY

PHYSICS (PHY) Dept. 35 (Cont.)

105	INTRO TO PHYSICS	MTH 090-097	4	001	M W F	900-1000	238 LA	AMUNDSEN J
110	APPLIED PHYSICS	MTH 090	4	001	T R	900-1200	203 LA	KAPP G
			4	002	T R	530- 830PM	207 LA	

NOTE: 3 HOURS OF LAB ARE REQUIRED WITH THIS COURSE

111	GENERAL PHYSICS	MTH 097-169-177	4	001	M W F	1000-1100	L2 LA	HINDS D
			4	002	M W F	1000-1100	L2 LA	HINDS D
			4	003	T R	530- 700PM	238 LA	HINDS D
					R	700-1000PM	211 LA	

NOTE: 3 HOURS OF LAB ARE REQUIRED WITH THIS COURSE

131	PHYSICS FOR RTH	MTH 090	3	001	M W	1200- 100PM	238 LA	
141	RADIOLOGIC PHYSICS	MTH 165	3	001	R	900-1100	238 LA	HINDS D

NOTE: 2 HOURS OF LAB ARE REQUIRED WITH THIS COURSE

211	ANALYTICAL PHYSICS	PHY 105 MTH 191	5	001	M W	900-1100	203 LA	KAPP G
					F	900-1200	203 LA	
			5	002	M W	700- 900PM	203 LA	KAPP G
					R	700-1000PM	203 LA	

NOTE: 2 HOURS OF LAB ARE REQUIRED WITH THIS COURSE

222	ANALYTICAL PHYSICS	PHY 211	5	001	M W	100- 300PM	207 LA	AMUNDSEN J
					F	100- 400PM	207 LA	

NOTE: PHYSICS LAB HOURS ARE 10:00 A.M. TO 3:00 P.M (TUESDAY - THURSDAY) 7:00 P.M. TO 10:00 P.M. (TUESDAY)

6 ADDITIONAL HOURS OF PHYSICS LAB WILL BE ARRANGED AFTER THE FIRST WEEK OF CLASS.

POLITICAL SCIENCE (PLS) Dept. 05

108	GOV AND SOCIETY		3	001	M W F	800- 900PM	110 SC	GLUSAC I
			3	002	M W F	900-1000	110 SC	AMARU A
			3	003	M W F	1000-1100	110 SC	GLUSAC I

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
POLITICAL SCIENCE (PLS) Dept. 05 (Cont.)								
			3	004	M W F	1100-1200	110 SC	AMARU A
			3	005	M W F	1200- 100PM	110 SC	AMARU A
			3	006	M W	100- 230PM	110 SC	GLUSAC I
			3	007	M W	530- 700PM	110 SC	GLUSAC I
			3	008	W	700-1000PM	110 SC	SUSNICK S
			3	009	T R	800- 930	110 SC	SUSNICK S
			3	010	T R	930-1100	110 SC	SUSNICK S
			3	011	T R	1230- 200PM	110 SC	AMARU A
			3	012	T R	630- 700PM	110 SC	SUSNICK S
			3	013	T	700-1000PM	210 SC	PLUMMER R
			3	014	R	700-1000PM	110 SC	GLUSAC I
			3	015	S	900-1200	110 SC	HOLLAND R
			3	016	M	700-1000PM	107 SC	GLUSAC I
			3	017	T R	1100-1230PM	110 SC	SUSNICK S
			3	055	W	700-1000PM	CHELS	
			3	094	T	700-1000PM	SALNE	
112	INTRO AMER GOV		3	001	M W F	1000-1100	107 SC	AMARU A
150	STATE AND LOCAL GOV		3	002	T R	1100-1230PM	107 SC	AMARU A
			3	001	M W F	900-1000	107 SC	MILLER L
			3	002	M W F	1100-1200	210 SC	MILLER L
			3	003	M W F	1200- 100PM	102 SC	MILLER L
			3	004	M	700-1000PM	110 SC	MILLER L
			3	005	T R	930-1100	206 SC	MILLER L
			3	006	T	700-1000PM	110 SC	AMARU A
			3	089	R	700-1000PM	BRIGHT	SMALL M
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	MILLER L
PSYCHOLOGY (PSY) Dept. 08								
100	INTRO PSYCHOLOGY		3	001	M W F	800- 900	342 LA	ZAREMBA E
			3	002	M W F	900-1000	342 LA	ZAREMBA E
			3	003	M W F	1000-1100	215 SC	MOY W
			3	004	M W F	1000-1100	113 SC	MARTIN H
			3	005	M W F	1100-1200	103 SC	MARTIN H
			3	006	M W F	1200- 100PM	113 SC	MOY W
			3	007	M W	100- 230PM	113 SC	MARTIN H
			3	008	M W	200- 330PM	215 SC	ZAREMBA E
			3	009	T R	930-1100	215 SC	KOLLEN M
			3	010	T R	1100-1230PM	215 SC	KOLLEN M
			3	011	T R	1230- 200PM	215 SC	MOY W
			3	012	T R	200- 330PM	215 SC	KOLLEN M
			3	013	M	600- 900PM	113 SC	MARTIN H
			3	014	T	600- 900PM	215 SC	ZAREMBA E
			3	015	W	400- 700PM	211 SC	ZAREMBA E
			3	016	R	600- 900PM	215 SC	ZAREMBA E
			3	017	S	900-1200	215 SC	FARMER W
			3	050	...	TO BE ARRANGED	...	MARTIN H
			3	062	R	700-1000PM	DETR	
			3	089	T	600- 900PM	BRIGHT	KOLLEN M
107	BLACK PSYCHOLOGY		3	001	M W F	1000-1100	342 LA	ROBERTS A
109	PSY MIDLIFE CAREERS		2	001	M	700- 900PM	206 SC	PLUMMER R
			2	083	R	700- 900PM	AAY	PLUMMER R
114	LEARNING TO LEARN		3	001	M W	1200- 130PM	215 SC	ZAREMBA E
130	BASIC ALCOHOLISM		3	001	W	200- 500PM	206 SC	ENGLISH M
150	INDUSTRIAL PSYCH		3	001	M W F	900-1000	215 SC	MARTIN H
			3	002	T R	130- 300PM	113 SC	FORD A
			3	003	W	700-1000PM	305 LA	FORD A
170	HI-TEC: IMPACT/PERS		3	089	M	600- 900PM	BRIGHT	ROBERTS A
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	KOLLEN M
			1-8	002	...	TO BE ARRANGED	...	ZAREMBA E
			1-8	003	...	TO BE ARRANGED	...	ROBERTS A
200	CHILD PSYCHOLOGY		3	001	M W F	1100-1200	342 LA	ROBERTS A
			3	002	T R	930-1100	107 SC	ROBERTS A
			3	003	W	600- 900PM	113 SC	ROBERTS A
201	THE BLACK CHILD		3	001	T R	1100-1230PM	322 LA	ROBERTS A
209	PSYCH OF ADJUSTMENT		3	001	M W F	1100-1200	113 SC	MARTIN H
			3	002	T R	1100-1230PM	305 LA	MOY W
222	LOSSES & GRIEVING		3	001	M	600- 900PM	1408 SC	HUTCHINSON D
			3	060	R	1000- 100PM	BRIAR	HUTCHINSON D
			3	089	W	100- 400PM	BRIGHT	HUTCHINSON D
257	ABNORMAL PSYCHOLOGY		3	001	M W F	1100-1200	215 SC	KOLLEN M
			3	002	T R	800- 930	215 SC	
			3	003	M	530- 830PM	215 SC	FARMER W
QUALITY CONTROL (QC) Dept. 70								
101	PROCESS QUAL CONT		3	001	W	600- 900PM	167 OE	BROWN R
199	ON THE JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	PIERCE L
224	QUAL CONT PROB SOLV	213	3	001	R	600- 900PM	167 OE	
225	QUALITY CONTROL MGT		3	001	T	600- 900PM	167 OE	BROWN R
RADIOLOGIC TECHNOLOGY (RAD) Dept. 53								
110	CLINICAL EDUCATION		1	001	...	TO BE ARRANGED	...	NELSON R
111	FUND OF RADIOGRAPHY		2	001	W F	1000-1200	180 OE	BAKER G
112	RADIOGRAPH POSITION		2	001	M	800-1100	180 OE	NELSON R
			2	002	M	100- 400PM	180 OE	NELSON R
			2	003	W	100- 400PM	180 OE	NELSON R
113	RADIOGRAPHIC PROC		2	001	W F	1000-1200	180 OE	BAKER G

Course Number	Title	Prerequisite	Section Cr. Number	Days	Hours	Room	Instructor
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RADIOLOGIC TECHNOLOGY (RAD) Dept. 53 (Cont.)

189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	NELSON R
			1-8	002	R	TBA	BAKER
215	RADIOGRAPH OF SKULL		2	001	T	100- 400PM	BAKER G
			2	002	R	1200- 300PM	BAKER G
217	CLINICAL EDUCATION		3	001	...	TO BE ARRANGED	NELSON R
218	RADIATION BIOLOGY		2	001	T	900- 100PM	BAKER G
219	RADIATION PROTECTION		2	001	T	900- 100PM	BAKER G

READING (RDG) Dept. 25

040	READING		3	001	M W	1030-1200	305 SC	BUATTI C
			3	002	M W	1200- 130PM	305 SC	BUATTI C
			3	003	M W	600- 730PM	305 SC	FARNELL A
			3	004	T R	900-1030	305 SC	CARMICHAEL D
			3	005	T R	1030-1200	305 SC	CARMICHAEL D
			3	006	T R	230- 400PM	305 SC	WARNER E
			3	007	M W	400- 530PM	305 SC	WARNER E
			3	008	T R	600- 730PM	305 SC	
			3	009	W F	900-1030	305 SC	MC GEE S
100	VOCAB & SPELL POWER		2	001	R	530- 830PM	307 SC	MC GEE S

NOTE: MEETS 10/29 TO 12/19

103	STUDY SKILLS		3	001	M W	1200- 130PM	307 SC	NAGEL R
			3	002	M	600- 900PM	307 SC	McKAY S
			3	003	T R	1030-1200	307 SC	NAGEL R
104	STUDY SKILLS		2	001	R	1230- 330PM	305 SC	MC GEE S

NOTE: BEGINS 9/3 ENDS 10/24

105	VOC & SPELL POWER		3	001	T R	1200- 130PM	307 SC	NAGEL R
			3	002	T R	530- 700PM	210 SC	MARTIN L
			3	003	W F	1030-1200	307 SC	MC GEE S
106	SPEED READING		2	001	R	1230- 330PM	305 SC	MC GEE S

NOTE: BEGINS 10/29 TO 12/19

2	002	R	530- 830PM	307 SC	MC GEE S
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NOTE: BEGINS 9/3 ENDS 10/24

2	003	S	900-1200	307 SC	FAIRBANKS C
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NOTE: BEGINS 9/3 ENDS 10/24

107	SPEED READING		3	001	M	900-1200	307 SC	NAGEL R
			3	002	T R	900-1030	307 SC	NAGEL R
			3	003	T	600- 900PM	307 SC	McKAY S
115	MEDICAL TERMINOLOGY		2	001	T	1000-1200	361 SC	MARTIN L
			2	002	T	100- 300PM	361 SC	MARTIN L
			2	003	W	1000-1200	361 SC	MARTIN L
			2	004	W	100- 300PM	361 SC	MARTIN L
			2	005	W	500- 700PM	361 SC	MARTIN L
			2	006	R	100- 300PM	361 SC	MARTIN L

NOTE: ALL STUDENTS REGISTERED FOR RDG 115-MEDICAL TERMINOLOGY MUST ATTEND ONE OF THESE ORIENTATION SESSIONS: WEDNESDAY, SEPTEMBER 3 10:00 -11:00 A.M. LECTURE HALL 3 OR 5:00 - 6:00 P.M. LECTURE HALL 3

189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	NAGEL R
			1-8	002	...	TO BE ARRANGED	MC GEE S

REAL ESTATE (RE) Dept. 48

100	REAL ESTATE PRINCIP		3	001	T R	530- 700PM	103 SC	SCHMUCKAL R
			3	089	M	700-1000PM	BRGHT	

REFRIGERATION & AIR CONDITIONING (RAC) Dept. 82

122	REFRIGERATION 11	111 AND CONSENT	5	001	M W	530- 800PM	126 TI	HANSEN J
123	RAC SYSTEMS	111 124&CONSENT	5	001	T R	800-1100PM	126 TI	LAWRENCE D
199	ON THE JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	
214	CONTROL SYSTEMS	124 AND CONSENT	5	001	T R	530- 800PM	126 TI	EBERLE G

RESPIRATORY THERAPY (RT) Dept. 54

097	RESP THERAPY REVIEW		1	001	...	TO BE ARRANGED	...	
106	CHEMISTRY FOR RTH	CEM 057&058	3	001	M W F	900-1000	176 OE	REDICK M
121	BASIC EQUIP & PROC	ADM TO PROG	4	001	T R	900-1000	176 OE	REDICK M
					T	100- 300PM	176 OE	
			4	002	T R	900-1000	176 OE	REDICK M
					R	100- 300PM	176 OE	
			4	003	T R	900-1000	176 OE	REDICK M
					R	1000-1200	176 OE	
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	REDICK M
198	GEN CLINIC PRACT I		3	001	...	TO BE ARRANGED	...	HAMMOND C
199	GEN CLINICAL PRACT II		3	001	...	TO BE ARRANGED	...	HAMMOND C
200	ADV CLINICAL PRACT	SEE CATALOG	4	001	...	TO BE ARRANGED	...	HAMMOND C
201	SPEC CLINIC PRACT		2	001	...	TO BE ARRANGED	...	REDICK M
202	PEDIATRIC CLINIC PR		2	001	...	TO BE ARRANGED	...	HAMMOND C
212	VENTILATORS		3	001	M F	900-1100	176 OE	HAMMOND C
213	INTENS & REHAB CARE		4	001	M W F	1100-1200	176 OE	REDICK M
					W	900-1100	176 OE	
214	CARDIO DIAGNOSTICS	BIO 111&112	3	001	M W F	1200- 100PM	176 OE	HAMMOND C
219	PEDIATRICS RESP		3	001	M W	930-1100	109 SC	KOTAJARVI C

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
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SECRETARIAL & OFFICE (SO)

Dept. 49

101	TYPEWRITING		3	001	MTWR	900-1000	125 LA	SATTERLA R
			3	002	MTWR	1000-1100	125 LA	SATTERLA R
			3	003	MTWR	1100-1200	125 LA	CHARLTON E
			3	004	MTWR	1200-100PM	125 LA	CHARLTON E
			3	005	MTWR	300-400PM	125 LA	
			3	006	T R	530-730PM	125 LA	MINNE D
102	TYPEWRITING		3	007	M W	730-930PM	125 LA	HUZENGA T
			3	001	M W	900-1100	105 LA	JUSTER M
			3	002	T R	900-1100	105 LA	PATT J
			3	003	M W	100-300PM	105 LA	JUSTER M
			3	004	M W	530-730PM	105 LA	HUZENGA T
107	CLERICAL METH/PROC	SO 102 OR EQUI	4	001	M W	100-300PM	125 LA	JUSTER M
			4	002	T R	730-930PM	125 LA	SCHWARTZ B
130	BUSINESS MACHINES	MTH 090	3	001	M W	930-1100	123 LA	BURCH W
			3	002	M W	100-230PM	123 LA	BURCH W
			3	003	W	500-800PM	123 LA	CHARLTON E
132	INTERMED SHORTHAND		3	001	MTWR	1100-1200	123 LA	JUSTER M
			3	002	T R	530-730PM	123 LA	SCHWARTZ B
151	WORD PROCESS PRIN		3	001	M W	930-1100	114 LA	CHARLTON E
			3	002	T R	930-1100	114 LA	CHARLTON E
			3	003	T R	100-230PM	114 LA	BURCH W
			3	004	M	600-900PM	114 LA	BELAND E
			3	005	T	600-900PM	114 LA	STENOWSKY I
			3	006	W	600-900PM	114 LA	
152	IP TRANSCRIP SKILLS	SO 102	3	001	T R	900-1100	107 LA	JUSTER M
			3	002	R	530-930PM	107 LA	STENOWSKY I
153	WORD PROC AP/BSC PRT	SO 101	2	001	M W	900-1100	116 LA	PATT J
			2	002	T R	130-330PM	116 LA	CHARLTON E
			2	003	T R	530-730PM	116 LA	TYNNING D
			2	004	M W	900-1100	116 LA	PATT J
			2	005	T R	130-330PM	116 LA	CHARLTON E
			2	006	T R	530-730PM	116 LA	TYNNING D
200	INDEPEND DIR STUDY	CONSENT	1	001	...	TO BE ARRANGED	...	JUSTER M
203	TYPEWRITING		3	001	T R	130-330PM	105 LA	PATT J
			3	002	T R	730-930PM	105 LA	MINNE D
210	MEDICAL TRANSCRIPT	SO 102	3	001	F	900-100PM	105 LA	MAYO M
214	W P/ADV PRACT	SO 153&102	3	001	T R	1100-100PM	116 LA	PATT J
			3	002	M W	100-300PM	116 LA	PATT J
			3	003	W	530-930PM	116 LA	
225	W P SYS & PROCEDURE	151,152,153,214	3	001	T R	900-1100	116 LA	BURCH W

SOCIOLOGY (SO)

Dept. 09

100	PRIN OF SOCIOLOGY		3	001	T R	1100-1230PM	111 SC	THOMPSON D
			3	002	T R	1230-200PM	111 SC	THOMPSON D
			3	003	W	1200-300PM	107 SC	THOMPSON D
			3	004	R	600-900PM	111 SC	THOMPSON D
			3	005	M W F	900-1000	111 SC	BYLSMA D
			3	006	M W F	1100-1200	111 SC	BYLSMA D
			3	007	T R	930-1100	113 SC	BYLSMA D
			3	008	M	900-900PM	111 SC	THOMAS E
			3	050	...	TO BE ARRANGED	...	BYLSMA D
			3	094	T	700-1000PM	SALNE	
150	MARRIAGE AND FAMILY		3	001	T R	930-1100	111 SC	THOMPSON D
			3	002	M W F	1200-100PM	111 SC	BYLSMA D
201	MEDICAL SOCIOLOGY		3	001	T	600-900PM	111 SC	THOMPSON D
202	CRIMINOLOGY		3	001	M W F	1000-1100	111 SC	BYLSMA D
205	RACE & ETHNIC RELAT		3	001	M W	100-230PM	111 SC	THOMAS E
207	SOCIAL PROBLEMS		3	001	W	400-700PM	107 SC	THOMPSON D
250	JUVENILE DELINQNCY		3	001	T R	1100-1230PM	113 SC	BYLSMA D

NOTE: SOC 250 MEETS WITH CJ 223-002

SPANISH (SPN)

Dept. 21

111	FIRST YEAR SPANISH		4	001	M W	1000-1200	311 SC	BIEDERMAN R
			4	002	T R	1100-100PM	311 SC	BIEDERMAN R
			4	003	T R	600-800PM	311 SC	DENICLO I
112	SPANISH LAB I		1	001	T	100-300PM	202 SC	BIEDERMAN R
			1	002	W	600-800PM	202 SC	DENICLO I
119	SPN LANG ADVENTURES		1	001	...	TO BE ARRANGED	...	BIEDERMAN R
120	BEG CONV SPANISH		2	001	W	600-800PM	311 SC	
			2	060	W	1000-1200	BRIAR	DOW K
			2	089	M	700-900PM	BRIGHT	
121	INTER CONV SPANISH	SPN 120 OR EQUI	2	001	F	1000-1200	311 SC	DOW K
			2	083	T	630-830PM	AAY	BIEDERMAN R
189	STUDY PROBLEMS	CONSENT	1-8	001	...	TO BE ARRANGED	...	BIEDERMAN R
213	SECOND YEAR SPANISH	SPN 122	3	001	T R	930-1100	311 SC	BIEDERMAN R

NOTE: SPEECH HAS A NEW NAME AND DIVISION NUMBER. ITS NEW NAME IS COMMUNICATIONS AND THEATRE, AND ITS NEW DIVISION NUMBER IS 38.

100	CAREER PLAN SEMINAR		3	001	T	100-400PM	206 SC	GREINER M
102	INDEP STDY CAR PLAN		1	001	...	TO BE ARRANGED	...	GREINER M

TECHNICAL COMMERCIAL ART (TCA)

Dept. 73

100	PERSP PARA PROJECT	MTH 151 OR EQUI	4	001	T R	900-1200	108 OE	MARTIN J
101	TECH ILLUSTRATION	100 OR CONSENT	4	001	T R	900-1200	108 OE	MARTIN J

Course Number	Title	Prerequisite	Section Number	Days	Hours	Room	Instructor
WELDING & FABRICATION (WF)							Dept. 71
100	FUND OF WELDING		001	M	100-500PM	125 OE	HALL C
			002	T	100-500PM	125 OE	GRAY D
			003	T	600-1000PM	125 OE	FIGG W
			004	W	600-1000PM	125 OE	FIGG W
			005	M	800-1200	125 OE	GRAY D
			006	T	800-1200	125 OE	GRAY D
			007	R	800-1200	125 OE	HALL C
			008	T	800-1200	125 OE	HALL C
			009	W	100-500PM	125 OE	HALL C
			010	M	600-1000PM	125 OE	FIGG W
			011	R	600-1000PM	125 OE	FIGG W
			012	W	800-1200	125 OE	GRAY D
			014	M W	800-1200	125 OE	
101	ACETYLENE WELDING		001	W	800-1200	125 OE	GRAY D
			002	T	100-500PM	125 OE	GRAY D
			003	W	600-1000PM	125 OE	FIGG W
			004	W	600-1000PM	125 OE	FIGG W
			005	F	800-1200	125 OE	GRAY D
			006	R	800-1200	125 OE	HALL C
			007	C	800-1200	125 OE	GRAY D
			008	T	800-1200	125 OE	HALL C
			009	C	100-500PM	125 OE	HALL C
			010	W	100-500PM	125 OE	HALL C
			011	T	600-1000PM	125 OE	FIGG W
			012	R	600-1000PM	125 OE	FIGG W
			013	W	800-1200	125 OE	HALL C
			014	M	800-1200	125 OE	
102	ARC WELDING		001	C	100-500PM	125 OE	HALL C
			002	W	600-1000PM	125 OE	FIGG W
			003	W	600-1000PM	125 OE	FIGG W
			004	W	800-1200	125 OE	GRAY D
			005	R	800-1200	125 OE	FIGG W
			006	C	600-1000PM	125 OE	FIGG W
			007	T	800-1200	125 OE	HALL C
			008	W	100-500PM	125 OE	GRAY D
			009	C	800-1200	125 OE	GRAY D
			010	W	800-1200	125 OE	HALL C
			011	R	800-1200	125 OE	GRAY D
			012	W	100-500PM	125 OE	HALL C
			013	T	600-1000PM	125 OE	HALL C
103	RESISTANCE WELDING		001	W	100-500PM	125 OE	HALL C
			002	W	600-1000PM	125 OE	FIGG W
			003	W	600-1000PM	125 OE	FIGG W
			004	W	800-1200	125 OE	GRAY D
			005	R	800-1200	125 OE	FIGG W
			006	C	600-1000PM	125 OE	FIGG W
			007	T	800-1200	125 OE	HALL C
			008	W	100-500PM	125 OE	GRAY D
			009	C	800-1200	125 OE	GRAY D
			010	W	800-1200	125 OE	HALL C
			011	R	800-1200	125 OE	GRAY D
			012	W	100-500PM	125 OE	HALL C
			013	T	600-1000PM	125 OE	HALL C
104	SHIELDING & WELDING		001	W	100-500PM	125 OE	FIGG W
			002	W	600-1000PM	125 OE	FIGG W
			003	W	800-1200	125 OE	HALL C
			004	W	800-1200	125 OE	HALL C
			005	W	800-1200	125 OE	HALL C
105	ADVANCED WELDING		001	W	100-500PM	125 OE	GRAY D
			002	W	600-1000PM	125 OE	GRAY D
			003	W	800-1200	125 OE	GRAY D
			004	W	800-1200	125 OE	GRAY D
			005	W	800-1200	125 OE	GRAY D
			006	W	800-1200	125 OE	GRAY D
			007	W	800-1200	125 OE	GRAY D
			008	W	800-1200	125 OE	GRAY D
			009	W	800-1200	125 OE	GRAY D
			010	W	800-1200	125 OE	GRAY D
			011	W	800-1200	125 OE	GRAY D
			012	W	800-1200	125 OE	GRAY D
			013	W	800-1200	125 OE	GRAY D
			014	W	800-1200	125 OE	GRAY D
			015	W	800-1200	125 OE	GRAY D
			016	W	800-1200	125 OE	GRAY D
			017	W	800-1200	125 OE	GRAY D
			018	W	800-1200	125 OE	GRAY D
			019	W	800-1200	125 OE	GRAY D
			020	W	800-1200	125 OE	GRAY D
			021	W	800-1200	125 OE	GRAY D
			022	W	800-1200	125 OE	GRAY D
			023	W	800-1200	125 OE	GRAY D
			024	W	800-1200	125 OE	GRAY D
			025	W	800-1200	125 OE	GRAY D
			026	W	800-1200	125 OE	GRAY D
			027	W	800-1200	125 OE	GRAY D
			028	W	800-1200	125 OE	GRAY D
			029	W	800-1200	125 OE	GRAY D
			030	W	800-1200	125 OE	GRAY D
			031	W	800-1200	125 OE	GRAY D
			032	W	800-1200	125 OE	GRAY D
			033	W	800-1200	125 OE	GRAY D
			034	W	800-1200	125 OE	GRAY D
			035	W	800-1200	125 OE	GRAY D
			036	W	800-1200	125 OE	GRAY D
			037	W	800-1200	125 OE	GRAY D
			038	W	800-1200	125 OE	GRAY D
			039	W	800-1200	125 OE	GRAY D
			040	W	800-1200	125 OE	GRAY D
			041	W	800-1200	125 OE	GRAY D
			042	W	800-1200	125 OE	GRAY D
			043	W	800-1200	125 OE	GRAY D
			044	W	800-1200	125 OE	GRAY D
			045	W	800-1200	125 OE	GRAY D
			046	W	800-1200	125 OE	GRAY D
			047	W	800-1200	125 OE	GRAY D
			048	W	800-1200	125 OE	GRAY D
			049	W	800-1200	125 OE	GRAY D
			050	W	800-1200	125 OE	GRAY D
			051	W	800-1200	125 OE	GRAY D
			052	W	800-1200	125 OE	GRAY D
			053	W	800-1200	125 OE	GRAY D
			054	W	800-1200	125 OE	GRAY D
			055	W	800-1200	125 OE	GRAY D
			056	W	800-1200	125 OE	GRAY D
			057	W	800-1200	125 OE	GRAY D
			058	W	800-1200	125 OE	GRAY D
			059	W	800-1200	125 OE	GRAY D
			060	W	800-1200	125 OE	GRAY D
			061	W	800-1200	125 OE	GRAY D
			062	W	800-1200	125 OE	GRAY D
			063	W	800-1200	125 OE	GRAY D
			064	W	800-1200	125 OE	GRAY D
			065	W	800-1200	125 OE	GRAY D
			066	W	800-1200	125 OE	GRAY D
			067	W	800-1200	125 OE	GRAY D
			068	W	800-1200	125 OE	GRAY D
			069	W	800-1200	125 OE	GRAY D
			070	W	800-1200	125 OE	GRAY D
			071	W	800-1200	125 OE	GRAY D
			072	W	800-1200	125 OE	GRAY D
			073	W	800-1200	125 OE	GRAY D
			074	W	800-1200	125 OE	GRAY D
			075	W	800-1200	125 OE	GRAY D
			076	W	800-1200	125 OE	GRAY D
			077	W	800-1200	125 OE	GRAY D
			078	W	800-1200	125 OE	GRAY D
			079	W	800-1200	125 OE	GRAY D
			080	W	800-1200	125 OE	GRAY D
			081	W	800-1200	125 OE	GRAY D
			082	W	800-1200	125 OE	GRAY D
			083	W	800-1200	125 OE	GRAY D
			084	W	800-1200	125 OE	GRAY D
			085	W	800-1200	125 OE	GRAY D
			086	W	800-1200	125 OE	GRAY D
			087	W	800-1200	125 OE	GRAY D
			088	W	800-1200	125 OE	GRAY D
			089	W	800-1200	125 OE	GRAY D
			090	W	800-1200	125 OE	GRAY D
			091	W	800-1200	125 OE	GRAY D
			092	W	800-1200	125 OE	GRAY D
			093	W	800-1200	125 OE	GRAY D
			094	W	800-1200	125 OE	GRAY D
			095	W	800-1200	125 OE	GRAY D
			096	W	800-1200	125 OE	GRAY D
			097	W	800-1200	125 OE	GRAY D
			098	W	800-1200	125 OE	GRAY D
			099	W	800-1200	125 OE	GRAY D
			100	W	800-1200	125 OE	GRAY D

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
WELDING & FABRICATION (WF) Dept. 71 (Cont.)								
199	ON THE JOB TRAINING	CONSENT	1-6	001	...	TO BE ARRANGED	...	GRAY D
			1-6	002	...	TO BE ARRANGED	...	FIGG W
200	LAYOUT THEORY WELD		2	001	R	1200- 300PM	125 OE	HALL C
210	WELD METALURGY		3	001	R	800-1000PM	125 OE	HALL C
215	ADV TIG MIG WELD		4	001	M W	100- 500PM	125 OE	HALL C
			4	002	M W	800-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	800-1000PM	125 OE	FIGG W
			4	006	T	100- 500PM	125 OE	GRAY D
					F	800-1200		
226	SPECIAL WELD PROCED		4	001	M W	100- 500PM	125 OE	HALL C
			4	002	M W	800-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	800-1000PM	125 OE	FIGG W
			4	006	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
227	BASIC FABRICATION	CONSENT	3	001	F	800-1000PM	125 OE	FIGG W
229	SHAPE CUTTING OPER		3	001	R	1200- 330PM	113 OE	FIGG W

WOMEN'S STUDIES (WS) Dept. 06								
103	PSY/BIO OF WOMEN		3	001	T H	1100-1230PM	140B SC	ROBERTS S
115	ASSERT TRAIN/WOMEN		3	001	M	700-1000PM	130Z LA	BAKER S
			3	002	R	100- 400PM	130Z LA	CRAYNE D
			3	003	R	700-1000PM	AAY	BAKER S
			3	009	T	700-1000PM	BRIGHT	
122	IMAGESWOMEN IN MYTH		2	001	W	700- 800PM	105 SC	TOBINSON P

DISCLAIMERS

a. This document is for informational purposes only and is not to be construed as a binding offer or contract between the College and the student. This document was prepared on November 9, 1984 and is subject to change without prior notice.

b. The listing of the instructors' names in the class schedule is for informational purposes only and does not constitute a contract of employment or offer to employ any named instructor. Instructional assignments are subject to change in accordance with College policies as the needs of the College may require.

c. This document is intended to be used with the catalog, which provides complete information on courses as well as College regulations and more details on the academic calendar and procedures.

AFFIRMATIVE ACTION-NON-DISCRIMINATION

It is the policy of Washtenaw Community College not to discriminate on the basis of sex or race in admissions, employment or in the operation of any educational program or activity. Any inquiries should be directed to Title IX Coordinator.

COURSE DESCRIPTIONS

In this catalog descriptions of all credit courses offered at Washtenaw Community College for this program are listed. The number of hours each class meets per week is indicated if it is different from the number of credit hours for the class (i.e., 3 credit hours = 3 hours of class per week). This applies to a 15 week session. During short terms the number of class hours per week increases.

Two courses available to students in most career programs are Study Problems and On-The-Job Training. They are in many cases not described separately for each course area.

188. STUDY PROBLEMS 1-8 credit hours

Prerequisite: Consent of area coordinator or instructor

Directed activities in major occupational and selected general education areas; a period of concentrated effort to an assigned problem working with faculty or a recognized specialist in the occupation; the demonstration of the individual's understanding and skill development within the selected occupation or area.

199. ON-THE-JOB TRAINING 1-6 credit hours

The College offers cooperative occupational experience programs to interested and qualified students in both the Occupational and General Education areas. These programs are designed to produce a learning situation (training station) which would not be possible to reproduce in a campus environment.

The student may be placed in a training station in business and industrial firms as well as educational, institutional and governmental establishments. Training station assignments may be arranged on (a) a half-day basis (b) daily alternating work and study (c) alternating work and study each semester (d) a summer experience program.

Students planning to enroll for credit must first review their plans with their advisors and the Instructional Coordinator or Associate Deans to obtain approval. No more than six credits may be applied to a certificate of achievement and no more than twelve credits may be applied to Associate Degree requirements.

ACCOUNTING (ACC 41)

ACC 091. FUNDAMENTALS OF ACCOUNTING I 3 credit hours

Prerequisite or Corequisite: MTH 090

Introduces the student to the theory and practice of modern double-entry accounting systems and procedures. Emphasis placed on journalizing and posting, adjusting and closing books and the preparation of financial statements. Designed for the non-accounting major; does not give transfer college credit.

ACC 111. PRINCIPLES OF ACCOUNTING 3 credit hours

Prerequisite or Corequisite: MTH 163 or MTH 167

An introductory course of accounting principles and theory with emphasis on the accounting cycle, receivables and payables, depreciation, inventories, payroll, deferrals and accruals, systems and controls. Required of all Accounting majors and Business Administration transfer students.

ACC 122. PRINCIPLES OF ACCOUNTING 3 credit hours

Prerequisite: ACC 111

A continuation of Principles of Accounting 111 covering partnerships, corporations, and an introduction to cost accounting, budgets and analysis of financial reports. Required of all Accounting majors and Business Administration transfer students.

ACC 131. COMPUTERIZED ACCOUNTING 3 credit hours

Prerequisite: ACC 092 or ACC 111

Accounting applications (General Ledger, Accounts Receivable, Accounts Payable, Depreciation and Payroll) are presented and mastered on the microcomputer in such a manner that no prior knowledge of microcomputers is required. This course does not teach computer programming, but is intended to train the student to become an intelligent user of accounting software on the microcomputer.

ACC 200. PERSONAL TAX ACCOUNTING 3 credit hours

Prerequisite: ACC 111 or equivalent

An introductory course in federal and state personal income taxes, federal and state payroll taxes, and other general taxes.

ACC 213. INTERMEDIATE ACCOUNTING 3 credit hours

Prerequisite: ACC 122

Further study of generally accepted accounting principles as they apply to financial statements, cash, and temporary investments, receivables, current liabilities, fixed assets, long-term investments, capital and earnings. Required of all Accounting majors. Offered Fall Semester only.

ANTHROPOLOGY (ANT 01)

ANT 150. RELIGIONS OF THE WORLD 3 credit hours

The anthropological study of the religious beliefs and practices of non-literate people as well as major religions of the world.

ANT 189. STUDY PROBLEMS IN ANTHROPOLOGY 1-6 credit hours

Prerequisite: Consent of instructor

Directed activities in Anthropology. These activities are individualized. A specific problem/issue is studied, or a special project is assigned. (Hours arranged.)

ANT 201. INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 credit hours

A study of the stages of man's cultural development beginning with hunting and gathering and ending with the development of the state. Change in contemporary peasant societies will also be studied. This course is taught as a television course using the program series "Faces of Culture."

ANT 211. INTRODUCTION TO THE PHILOSOPHY AND PRACTICE OF YOGA 3 credit hours

An introduction to the system of Hatha Yoga and the philosophy of realized knowledge.

ARCHITECTONICS (ARC 61)

ARC 109. SITE LAYOUT 3 credit hours

A lecture and field course dealing with the principles of site layout of construction projects. Approved site plans, builders level transit, tape chain and preferred equipment are demonstrated and used.

ARC 111. ARCHITECTURAL DRAWING I 6 credit hours

An introduction to light frame construction and requirements including the preparation of working drawings for the construction of structures classified as "Light Frame Structures." (12 hours per week)

ARC 117. CONSTRUCTION MATERIALS 3 credit hours

A survey of typical types of materials used in building construction. Emphasis is placed on the properties, selection and building techniques appropriate for a wide range of materials. Included are woods, metals, plastics, clay, gypsum, glass and aggregate materials.

ARC 122. ARCHITECTURAL DRAWING II 6 credit hours

Prerequisite: ARC 111

Preparing architectural presentation drawings from diagrammatic sketches, pictures, surveys and conference notes. The student is taught to develop preliminary studies, presentation drawings and working drawings for an architectural project utilizing masonry construction. (12 hours per week)

ARC 150. PRESENTATION DRAWINGS AND MODELS 4 credit hours

Comprehensive knowledge of and manual skills to make perspective drawings for pictorial presentation, scale models showing site conditions with topography, simple methods for rendering drawings, shades and shadows on architectural drawings, photographs of models for simulated comparison of proposed building to proposed building site.

ARC 207. ESTIMATING CONSTRUCTION COSTS I 2 credit hours

Prerequisite: ARC 117 and ARC 120

Introduction to methods of estimating construction costs for building construction projects involving the use of quantitative survey methods of estimating materials, labor, equipment. Methods of computing overhead and profit included.

ARC 209. SURVEYING 3 credit hours

Prerequisite: MTH 151

A lecture and field course on the process of surveying and the analysis of survey data. (4 hours per week)

ARC 210. STRUCTURE IN ARCHITECTURE 2 credit hours

Prerequisite: PHY 111 recommended

An introduction to the use of structural systems (steel, timber, and reinforced concrete, etc.). Design fundamentals of simple structural components are emphasized.

ARC 213. ARCHITECTURAL DRAWING III 6 credit hours

Prerequisite: ARC 122

Major problems in architectural detailing are studied through the preparation of drawings and details for a moderate sized building such as a school or church. (12 hours per week)

ARC 224. ARCHITECTURAL DRAWING IV 6 credit hours

Prerequisite: ARC 213

Major problems in architectural drawing are studied through the preparation of program and drawings for a large size building project such as a shopping center or multi-story structure. (12 hours per week)

**ART
(ART 17)**

ART 101. DRAWING AND PAINTING 3 credit hours

For students with no previous studio work who wish to experience an introductory art course and develop individual creative expression. Instruction in the fundamentals of color and composition involving basic use of art media. Not intended to take the place of Basic Drawing III or Painting 114.

ART 111. BASIC DRAWING I 4 credit hours

Introduction to fundamentals of drawing. Through projects students are given experience in basic problems and issues of drawing. Emphasis on the training of the eye and the hand. Course serves as a basis for those who wish to improve their ability to think and articulate in visual terms. (6 hours per week)

ART 112. BASIC DESIGN 4 credit hours

Study of two dimensional structures through the exploration of the elements of art: line, value, shape, texture, color. The visual recognition that the predominance of the whole constitutes the composition of its parts. Emphasis on experimentation and imagination to arrive at visual ordering. (6 hours per week)

ART 120. PORTRAIT PAINTING AND LIFE DRAWING 4 credit hours

Working from live models, students study anatomy, techniques in drawing and painting and visual expression. Multi-media. Clay modeling. Prefer some art background, although not required. (6 hours per week)

ART 124. IMAGINATIVE DRAWING 2 credit hours

This course is devoted to imaginative drawing, both abstract and representational. The aim is to help students to develop and to refine imaginative ideas and to improve the graphic quality of their work.

ART 126. IMAGINATIVE DRAWING II 2 credit hours

Prerequisite: Imaginative Drawing 124.

This course allows the student to continue work begun in drawing 124.

ART 130. ART APPRECIATION 3 credit hours

An inquiry into the ways in which art reflects, extends and shapes experience. Art of the past and the present as a statement of our human condition. Class discussion, short papers and projects.

ART 140. LIFE DRAWING 4 credit hours

Drawing of the nude to develop visual acuity and self awareness. Emphasis on, but not limited to, gesture and contour drawing as a means towards graphic, conceptual and emotional communication through figure studies. (6 hours per week)

ART 143. ART AND CULTURE OF AFRO-AMERICA 3 credit hours

Prepares students to participate in and appreciate the arts (visual, dance, music, film, poetry, literature) of African and Afro-American people. Perspectives and definitions that differ from Western values and standards are presented. Anthropological approach used to recognize the importance of history in understanding the present. Multi-media methods. Skill development and aesthetic competence emphasized.

ART 189. STUDY PROBLEMS IN ART 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Art. These activities are individualized. A special project is assigned. (Hours arranged)

**ASTRONOMY
(AST 32)**

AST 111. GENERAL ASTRONOMY 3 credit hours

Survey of the solar system and the universe designed for both transfer and vocational students. No previous mathematics or science required. Topics include: the sun, moon and planets, Ptolemaic and Copernican systems, seasonal changes in the sky and modern ideas growing from early beliefs in astrology. (4 hours per week)

**AUTO BODY REPAIR
(ABR 59)**

Students enrolling in the Auto Body Repair Program will be required to furnish basic tool sets. They will also be required during their training to add to the tool sets so they will be equipped upon completion of their programs.

ABR 111. AUTO BODY REPAIR FUNDAMENTALS 4 credit hours

Repairs made on damaged body panels while studying the working properties of automobile sheet metal and basic damage conditions. Analyzing typical damage conditions and establishing accepted repair procedures are part of course. (8 hours per week)

ABR 112. AUTO REFINISHING FUNDAMENTALS 4 credit hours

Methods and procedures used with automobile refinishing materials. Acrylic lacquers and enamels used to spray paint automobile body panels and complete automobiles. Proper use of refinishing materials and the development of basic skills and procedures used in the trade. (8 hours per week)

ABR 113. LIGHT BODY SERVICE 1 credit hour

Principles of alignment and servicing of body components. Students exposed to the adjustments of various designs of hinges, latches, window regulators and the problems involved in servicing body trim, hardware and the sealing of water and dust leaks. Correct fit and the function of body parts are stressed. (4 hours per week, 7½ weeks)

ABR 114. APPLIED AUTO BODY WELDING 1 credit hour

Demonstration-lab course develops basic welding skills used in auto body repair. Types of welded joints used to repair or replace damaged panels with special emphasis on joint construction and heat control. (4 hours per week, 7½ weeks)

ABR 123. BODY REPAIR APPLICATIONS 4 credit hours

Prerequisite: ABR 111

Continuation of Auto Body Repair 111. Lab work includes actual repair jobs to develop all of the basic bumping skills. Emphasis placed on quality and work habits. (8 hours per week)

ABR 124. AUTO REFINISHING APPLICATIONS 4 credit hours

Prerequisite: ABR 112

Continuation of units in Auto Body Repair 112. Lab assignment on actual automobiles provides opportunity to improve skills, matching of high metallic colors using modern spot repair and color blending techniques, as well as overall refinishing. (8 hours per week)

ABR 126. FUNDAMENTALS OF FRAME AND BODY ALIGNMENT 2 credit hours

Prerequisite: Consent

Common types of body frame damage and the equipment used to make repairs. Laboratory assignments include use of frame gauges and portable body-frame straightening equipment to make a diagnosis and set up corrective hook ups. (4 hours per week)

ABR 130. CUSTOM PAINTING 1 credit hour

Prerequisite: ABR 112

This course will provide the student with an understanding of the art of custom painting. The learner will become familiar with the tools and techniques used in the field. It covers the use of candy apple, pearl and metal flake paints. Also the use of air brushes and custom murals on vans as well as other specialized techniques.

ABR 219. MAJOR REPAIR PROCEDURES 4 credit hours

A detailed study of the automobile body that includes use of hydraulic jacks and accessories to make repairs common to the front, side and rear sections of automobiles damaged by collision. Repair jobs to provide the student diversified experience on body trim and hardware, replacement and aligning various body components. (8½ hours per week)

ABR 220. ENAMEL REFINISHING PRACTICES 4 credit hours

Prerequisite: ABR 124

Study of modern acrylic and polyurethane enamels which includes surface preparation, mixing and application of solid and metallic colors. Actual cars and light trucks provide the student diversified experience and skill development. (8 hours per week)

ABR 230. SPECIALIZED STUDY 2-8 credit hours

Prerequisite: Consent

Students utilize periods of concentrated effort on assignments in selected areas of the auto body repair field. Students work with instructor consultation to demonstrate development within the selected area of general collision service, body shop organization and management, or estimating automobile physical damage. (8-16 hours per week)

AUTOMOTIVE SERVICE (AS 60)

Students enrolling in the automotive service programs will be required to furnish basic tool sets. They will also be required to add to the tool sets during their period of training so they will be equipped for employment upon completion of their program.

AS 059. CONSUMER CAR CARE 1 credit hour

This course is an introduction to the basic principles of operation and service of today's automobiles. (Does not include tune up.) The course will include the following: orientation, personal auto familiarization, basic automobile operation, safety, battery service, cooling system service, lubrication, oil and filter service, wheel bearing service, tire service and brake inspection.

AS 110. AUTOMOTIVE SERVICE FUNDAMENTALS 2 credit hours

Students will learn basic theory, diagnosis, service and repair skills needed to enter a technical automotive service curriculum. Instruction will center on safety, tools, measurement, fasteners, and specialized automotive equipment. Service basics will include cooling, lubricating and exhaust systems. Students with quality automotive experience are encouraged to articulate or test out of this course. Those not interested in a career in Auto Service are encouraged to take Consumer Base classes.

AS 111. ENGINES 2 credit hours

Prerequisite or Corequisite: AS 110

Students will develop skills and understanding of the automobile engine

and related service procedures for the most common engine service complaints. Using text, tools, manuals and automobiles in a laboratory setting, the student will perform service on the upper half of the modern automobile engine. This is the first half of a complete engine repair sequence. Students are encouraged to take this course early in their schooling but must have, or be developing, the skills offered in AS 110, Automotive Service Fundamentals, to expect success.

AS 113. MANUAL TRANSMISSIONS AND DRIVETRAINS 2 credit hours

Prerequisite or Corequisite: AS 110

Students will be guided through a fast moving curriculum of theory, diagnosis and servicing of manual transmissions, transaxles, drive lines and transfer cases. The focus of instruction will be on clutches, constant velocity joints, and common service procedures, as well as indepth study of transaxles, transfer cases and other manual gear units.

This course is the first course in a 4 course transmission sequence. It should be taken early so graduation will not be delayed because of offerings. The skills of 110 Automotive Service Fundamentals are essential to deal with the intricacies of driveline theory and repair.

AS 116. AUTOMOTIVE ELECTRONICS 2 credit hours

Prerequisite or Corequisite: AS 110

Students will be introduced to basic electricity theory and practice. Using automotive components and laboratory exercises the learning will progress from the theory of Ohms Law and component function, total diagnosis, service and/or repair of battery, charging system and cranking circuits.

Electricity is a vital component in almost every phase of auto service. It is recommended that 116 be one of the first courses taken to build a strong foundation for advanced automotive courses.

AS 118. FUEL SYSTEMS 2 credit hours

Prerequisite or Corequisite: AS 110

Students will experience demonstrations, laboratory exercises and discussion designed to develop an understanding of basic fuel system operation and factors affecting its performance.

Objectives are designed to build a strong understanding of carburetion, emission controls, fuel injection theory and their components. Emission systems will be introduced and basic service procedures will be practiced. The knowledge obtained in PHY 110 Applied Physics, provides an excellent base of theory for successful completion of this course.

AS 121. ENGINE REPAIR 2 credit hours

Prerequisite: AS 111

Using the skills developed in 111, the student will increase their understanding of the automobile engine through study and lab activities focused on the block and its components' repair. Text, tools, comprehensive manuals and special tools will aid the student in complete engine disassembly, repair, reassembly and operation. Students must have the skills offered in 111 to enter this class.

AS 124. WHEEL BALANCE AND ALIGNMENT 2 credit hours

Prerequisite: AS 110

Students will learn the basic theory of wheel alignment and develop the skills needed to diagnose and align all foreign and domestic cars. Using state-of-the-art balancers, the student will understand and perform wheel balance equal to the level accepted by the industry. This is the first course in a two (2) course suspension sequence. To repair and align vehicles, both courses must be completed.

AS 125. BRAKE SYSTEMS 2 credit hours

Prerequisite or Corequisite: AS 110

Students will be guided through each component of the brake system. Using text, tools, manuals, and live automobiles, the theory of brakes and function of components will be stressed, preparing the student to perform comprehensive brake service required in later classes. This is the introductory automotive brakes class and must be followed by the second in the sequence. Completion of the first semester auto service courses are recommended to get full benefits of the course.

AS 126. ELECTRICAL SYSTEMS 2 credit hours

Prerequisite: AS 116

Building on the skills developed in 116 Automotive Electronics, students

will explore electronic and computerized ignition, starting systems and charging systems. This is the middle class in a three (3) course sequence designed for in-depth understanding and skill development. It is strongly recommended that the first semester classes be completed prior to attempting this class.

AS 128. FUEL SYSTEM SERVICE 2 credit hours
Prerequisite: AS 118

Students will build on the theory learned in 118 Fuel Systems. Instruction will center on the service and repair of fuel system components to include carburetors, fuel injection and emission system components. Test equipment will be stressed, as well as the interaction of the systems. This is the second course in the fuel sequence. Students are encouraged to enroll in this class the semester immediately following 118 so as to reinforce the concepts learned. Involvement in automatic electronics will enhance your learning in this course.

AS 129. DIAGNOSIS AND REPAIR I 2 credit hours
Prerequisite: AS 110, AS 111, AS 113, AS 116, AS 118

This course is designed to provide you with the basic diagnosis and repair skills necessary to properly service late model automobiles. Specialized areas of instruction include engines, electrical systems, fuel systems and drive trains. Cooling, lubrication and exhaust system service is also included.

AS 180. SMALL ENGINE REPAIR 2 credit hours

This course covers the complete teardown and assembly of a small air cooled engine. It covers, in detail, theory and operation of Briggs & Stratton, Tecumseh, and Kohler engines which constitute about 80% of the lawn mowers, garden tractors, tillers, mini-bikes, etc. in the area.

AS 212. AUTOMATIC TRANSMISSIONS — MECHANICAL 2 credit hours
Prerequisite: AS 113

Complete live automatic transmission overhaul is featured in this course. Principles of operation and diagnosis are also included. The development of high standards of workmanship is given special emphasis.

AS 214. STEERING AND SUSPENSION SYSTEMS 2 credit hours
Prerequisite: AS 124

This is an advanced course involving diagnosis and service procedures of front and rear wheel drive suspension and steering systems. Emphasis on proper removal and replacement of components will be stressed. It is essential that students have all required hand tools and have successfully completed AS 124 Wheel Balance and Alignment, or have previous alignment experience.

AS 215. BRAKE SYSTEM SERVICE 2 credit hours
Prerequisite: AS 125

Using live cars where possible, the student will develop skills in repairing brake systems. Concentration will be on factory technique and accepted field practice. Skills will include drum, rotor, hydraulic system and mechanical system inspection and service.

AS 216. ELECTRICAL CIRCUITS 2 credit hours
Prerequisite: AS 126

Theory and application of automotive electronic circuits and accessories. Includes construction and servicing lighting systems, gauges, warning devices, windshield wipers and solid state devices.

AS 218. ENGINE PERFORMANCE DIAGNOSIS 2 credit hours
Prerequisite: AS 111, AS 126, AS 128

This course is designed to incorporate the basic skills learned in AS 116, 126, 111, 121, and 128, into a working diagnostic and repair sequence. Extensive use of live vehicles to enable students to learn in as close to a real situation as possible.

BIOLOGY (BIO 27)

BIO 101. CONCEPTS OF BIOLOGY 4 credit hours
Basic principles and concepts of biology studied in lecture and laboratory with emphasis on their practical application and their effects on the en-

vironment. For the non-science student, but basic introduction for advanced biology courses. Lecture and laboratory. (6 hours per week)

BIO 102. HUMAN BIOLOGY 4 credit hours
Structure, function and the place of humans in the biological world are studied in lecture and laboratory. Labs involve use of microscopes, dissection, observation and measuring techniques. Course covers basic anatomy and physiology of all body systems. (6 hours per week)

BIO 111. ANATOMY AND PHYSIOLOGY 5 credit hours
Survey of the basic structures, functions and the dysfunctions of the human body designed for students pursuing a Health Occupations curriculum. Coverage of the systems of the body is in a logical sequence with emphasis on practical applications to various health fields. Lab experiences include relevant applications of information and principles. (7 hours per week)

BIO 127. BOTANY 4 credit hours
Prerequisite: BIO 101 or permission

Field and laboratory investigations providing detailed study of plant structure and function. For the student with a general interest in plants and to provide a basis for further work in botany. Lecture and laboratory. (6 hours per week)

BIO 137. ORNAMENTAL INDOOR PLANTS 2 credit hours

This course is designed for the person who enjoys houseplants and wants to learn more about them. Selection and growth of ornamental indoor plants from seeds and cuttings will highlight the course. Every student should be able to increase his or her collection of houseplants by at least fifteen different varieties. Proper care of houseplants will be stressed, relating to soil, potting, transplanting, watering, fertilizers, insects, control of growth and flowering.

BIO 237. MICROBIOLOGY 4 credit hours
Prerequisite: BIO 101 or permission of instructor.
Micro-organisms and their activities studied in lecture and laboratory. (9 hours per week)

BIO 258. FIELD STUDY OF TREES AND SHRUBS 1 credit hour
Identification and habitat study of woody plants.

BLACK STUDIES (BLS 10)

BLS 107. BLACK PSYCHOLOGY 3 credit hours
(See Psychology 107)

Psychological dynamics of the Black experience. An assessment of socio-cultural factors that determine the Black psyche.

BLS 120. PORTRAIT PAINTING AND LIFE DRAWING 4 credit hours
(See Art 120)

Working from life models, students study anatomy, techniques in drawing and painting and visual expression. Multi-media. Clay modeling. Prefer some art background, although not required. (6 hours per week)

BLS 201. THE BLACK CHILD 3 credit hours
This course focuses on the Black child as a human being and a member of a Black subculture of American society. A study of the common pattern of growth stages and developmental tasks that the Black child shares with Euro-American children is done. Also, study is done on unique historical and current patterns of oppression in the American color caste system and the challenge this presents to Black families and the broader society in building a positive self concept in the Black child.

BLUEPRINT READING (BPR 64)

BPR 100. BLUEPRINT READING I 2 credit hours
Elementary blueprint reading for the construction trades. Emphasis is on the development of visualization skills and the study of practices and symbols for interpreting construction prints. Smaller scale construction projects studied.

BPR 101. BLUEPRINT READING II 3 credit hours

Fundamentals of blueprint reading as applied to the manufacturing industry. Basic drafting principles studied as applied to specific problems. Designed for pre-engineers, draftsmen, machine operators, machine repairmen, inspectors, welders and supervisors.

BPR 103. SHEET METAL BLUEPRINT READING AND LAYOUT 3 credit hours

Elementary sheet metal layout. Emphasis is placed on developing sheet metal patterns by standard short cut methods. Hands-on experience fabricating the patterns into actual sheet metal locks, seams, clips, connectors, ducts, elbows, tees and offsets takes place in the sheet metal shop. (4 hours per week)

BPR 106. BLUEPRINT READING FOR WELDERS 3 credit hours

Blueprint reading for welders is designed for the welders responsible for properly locating weld on the weldment and determining weld size, contour, weld length, type of filler metal and any applicable welding procedures.

BPR 110. BLUEPRINT READING FOR CONSTRUCTION TRADES 2 credit hours

Prerequisite: BPR 100

Advanced blueprint reading for persons in the construction trades. Emphasis on the application of blueprint reading, principles and fundamentals to the construction process. Large scale construction projects are the base of instruction.

BUSINESS (BUS 46)

BUS 100. INVESTMENTS 1 credit hour

A course designed to acquaint students with various aspects of financial investments. Topics to be covered include: corporate securities investment banking, financial statement analysis, over-the-counter market and other phases of financial investments.

BUS 111. BUSINESS LAW I 3 credit hours

Text and case study of the general laws applicable to business covering the nature of law courts and court procedures, contracts, real and personal property, wills and trusts and negotiable instruments. BUS 111 is offered all semesters. Will transfer to EMU as their BUS 293.

BUS 140. INTRODUCTION TO BUSINESS 3 credit hours

Functions, objectives, problems, organization, and management of modern business. The free-enterprise system of business-economic activity and the impact of the consumer and governmental forces upon the system. Develops insight into vital role of the administrative function in our economy as a whole and in the operation of a single business unit. Practical orientation in the career opportunities available in business and industry. This course is also taught as a television course using the program series "The Business File."

BUS 200. INDEPENDENT DIRECTED STUDY 2-8 credit hours

Prerequisite: Consent. Credit hours determined prior to registration

A planned program of study in selected business-industrial occupational career subject matter under the guidance and direction of a regular staff member. Supplements classroom study in a way that will enhance the student's total occupational career educational experience. Includes readings, analyses, conferences and reports. (Hours to be arranged)

BUS 207. BUSINESS COMMUNICATION 3 credit hours

Oral and written communication skills as they relate to business enterprise. Emphasis on social and psychological aspects and the public relations function of business communication. Importance of clarity, conciseness, accuracy and appropriateness of tone in all types of business communication. Includes business correspondence and reports and the gathering, preparation, organization and presentation of data.

CHEMISTRY (CEM 33)

CEM 057. INTRODUCTORY CHEMISTRY 3 credit hours

A preparatory course for the student with no background in high school science or algebra. May be taken by students wishing to improve their chemistry background before taking Chemistry 111, Chemistry 105, or by the student desiring an exposure to chemistry. Introductory Chemistry Laboratory 058 is recommended. (3 hours per week)

CEM 058. INTRODUCTORY CHEMISTRY LABORATORY 1 credit hour

Prerequisite or Corequisite: CEM 057

A laboratory experience in basic chemical laboratory practices and procedures. Introductory Chemistry Laboratory 058 should be elected to accompany Introductory Chemistry 057. (3 hours per week)

CEM 105. FUNDAMENTALS OF CHEMISTRY 4 credit hours

Prerequisite: High school chemistry or CEM 057

A study of the principles of chemistry surveying the major topics in chemistry. For students with interests in nursing or other health related areas. May also serve as a general science elective. (6 hours per week)

CEM 111. GENERAL CHEMISTRY I 4 credit hours

Prerequisites: High school chemistry and one year high school algebra or CEM 057

A beginning general college chemistry course. Includes the laws of chemical combination, states of matter, atomic and molecular structure, bonding and other basic principles. Lectures and laboratory. (6 hours per week)

CEM 122. GENERAL CHEMISTRY II 4 credit hours

Prerequisite: CEM 111

A continuation of General Chemistry I, including ionic equilibria, qualitative analysis and quantitative analysis. Laboratory work includes the qualitative identification of unknown substances and quantitative determinations using elementary instrumental techniques. (8 hours per week)

CEM 140. ORGANIC BIOCHEMISTRY 4 credit hours

Prerequisite: CEM 105 or CEM 111

An introduction to organic and biochemistry, for those going into nursing and the health services. The study of structure and functional groups of organic compounds, structure of biological molecules, mechanism of enzyme-catalyzed reactions, equilibria involved in exchange and transport of oxygen and carbon dioxide, acid-base balance, and bioenergetics. Lectures and Laboratory. (6 hours per week)

CEM 211. ORGANIC CHEMISTRY I 3 credit hours

Prerequisite: CEM 111

A lecture course dealing with nomenclature stereo-chemistry and reactions of aliphatic and aromatic compounds. Normally offered Fall Semester only.

CHILD CARE WORKER (CCW 76)

CCW 100. THE EXCEPTIONAL CHILD 3 credit hours

For those with no background in special education. Overview of the various physical, sensory, intellectual, social and emotional differences found in children from birth through six years of age. Identifying and working with handicapped and gifted children within the regular child care setting. Various community, state, and national resources to assist exceptional children identified.

CCW 101. CHILD DEVELOPMENT 3 credit hours

A general overview of the physical, social, emotional and intellectual development of the child from conception to maturity with emphasis on the preschool years. Examines the environmental, ethnic and familial factors that make for group differences and individuality of growth and current research in these areas.

CCW 105. PRACTICUM I 3 credit hours

Supervised teaching at the WCC Children's Center. Students work in the classroom, supervised by a qualified teacher at the Center. One hour per week is spent attending a practicum seminar. Opportunities for observation, planning and participation dependent on the student's readiness. To be taken during first semester in Child Care Worker for program orientation.

Credit may be arranged for students with past experience working at a licensed child care center. Contact the coordinator to arrange credit.

In order to reserve available blocks of time, students are required to arrange supervised teaching hours at WCC Children's Center **before** registration. (9 hours per week)

CCW 106. PRACTICUM II 3 credit hours

Prerequisite: CCW 105 and completion of 30 credit hours of CCW Program

An advanced continuation of CCW 105. Students who completed CCW 105 on campus will be required to select an off-campus placement for CCW 106. See staff for assistance. If CCW 105 was completed off-campus, CCW 106 must be completed on campus.

In order to reserve available blocks of time, students are required to arrange supervised teaching hours at WCC Children's Center **before** registration. (9 hours per week)

CCW 108. EDUCATIONAL EXPERIENCES IN EXPRESSIVE ARTS 3 credit hours

Integrated curriculum workshops cover a wide range of the arts, especially music, creative movement, art and drama. Emphasis on how to facilitate creativity and self-expression. Basic materials, techniques and activities introduced and then used with young children.

CCW 114. PRACTICUM III 4 credit hours

Prerequisite: CCW 105 and 106; must have completed or be completing 54 credit hours of CCW program (last semester in CCW program)

The student will be assigned full responsibility as a practicing head teacher for a classroom of children for several weeks during the semester. Advance lessons and active participation as an assistant teacher will be required.

In order to reserve available blocks of time, students are required to arrange supervised teaching hours at WCC Children's Center **before** registration. (12 hours per week)

COMMUNICATIONS AND THEATRE (CMT 38)

CMT 101. FUNDAMENTALS OF SPEAKING 3 credit hours

Instruction in essential speech processes and skills. Organization of speeches and effective delivery studied through the use of practical problems. The course attempts to relieve the stress the average person encounters when speaking in public, whether to a larger group or to an unfamiliar audience.

CMT 131. RADIO-TELEVISION SPEECH 3 credit hours

The development of an effective voice for speaking on the microphone through a study of contemporary standards in broadcast diction and voice production. The study of voice requirements for standard broadcast forms, views, interviews, features, commercials and music continuity. Basic oral reading techniques and a brief introduction to the International Phonetic Alphabet.

CMT 152. ACTING FOR THE THEATRE 3 credit hours

An introduction to acting through the physical aspects of the stage, using the stage as a vehicle to promote ideas and feelings. Scenes will be assigned.

CMT 189. STUDY PROBLEMS IN SPEECH 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Speech. These activities are individualized. A specific problem/issue is studied, or a special project is assigned. (Hours arranged)

COMPUTER INFORMATION SYSTEMS (CIS 40)

CIS 100. INTRODUCTION TO COMPUTERS 3 credit hours

This course teaches computer novices how to use computers, together with the terms and concepts needed to make use of them. This course emphasizes how to use a microcomputer, and how to use powerful software packages such as spreadsheet, word processing, and database. Structured computer programming is introduced and some practice is provided. The course teaches the basic vocabulary of computers, how computers are used in home, business, and government, the basic cycle of computer operation, input and output devices, how computers follow directions and store information. This course is also taught on television using the program series "Making It Count."

CIS 105. MICROCOMPUTER PROGRAMMING FOR BEGINNERS 2 credit hours

Student will gain insight to computer organization, how it works in layman's terms, develop (through lectures and exploring graduated exercises and assignments) skills necessary to identify problems and develop simple BASIC programs to solve them.

CIS 111. COMPUTER CONCEPTS 3 credit hours

This course introduces basic terminology and concepts of computer information systems, which includes a basic discussion of hardware and software with an emphasis on business applications. Students will learn to use application software on both a large computer system in a timesharing environment and on micro-computers.

CIS 112. COMPUTER FUNCTIONS 3 credit hours

Prerequisite or Corequisite: CIS 111

This course is a continuation of CIS 111. Students develop logic and code programs in a high level language such as BASIC. Other topics include introduction to database management systems, data communications and distributed processing.

CIS 115. PROGRAMMING LOGIC 3 credit hours

Prerequisite: CIS 112

Students learn development of structured solutions to business computer problems using flowcharting techniques, pseudo code and other structured development tools.

CIS 130. PASCAL FOR BUSINESS AND INDUSTRY .. 3 credit hours

Prerequisite: CIS 112. Corequisite: CIS 115

This is a first course in Pascal covering structured algorithm development and branching and looping techniques. Strong emphasis will be placed on the use of procedures and functions and efficient passing of parameters. Data structures, including arrays and records will be covered. (3 hours per week)

CIS 136. BASIC FOR BUSINESS AND INDUSTRY 3 credit hours

The principles of the BASIC language using structured techniques will be taught. Entry and retrieval of data, mathematical operations, comparison and control statements, subscripted variables and functions as well as data files and formatted output will be addressed. Students write BASIC programs, then enter and run them on microcomputers or computer terminals.

CIS 141. COMPUTER OPERATIONS I 3 credit hours

This is the study of computer systems including input/output devices, mass storage, the central processing unit and software with emphasis on their operation. Students gain hands-on experience performing a realistic multi-job assignment and using the devices about which they have studied. The interrelationships between system hardware, software and personnel are covered. Other topics include the importance of job documentation, standards manuals and error logs. Lecture and lab. (4 hours per week)

CIS 170. COBOL I 4 credit hours

Prerequisite: CIS 130 or consent

This is an introductory course in the COBOL language covering basic input/output, arithmetic, and comparing operations. Structured programming is emphasized and business applications including headings, totals, and control breaks will be discussed. Several programs will be written to illustrate these topics. Lecture. (4 hours per week)

CIS 199. ON-THE-JOB TRAINING 1-6 credit hours

Prerequisite: Two data processing courses. Employment in data processing related jobs.

This course recognizes the value of learning which can take place on the job by offering an opportunity to earn college credit for development and achievement of learning objectives which are accomplished through current work experience. Students also participate in data processing related seminar activities.

CIS 230. ADVANCED PASCAL FOR BUSINESS AND INDUSTRY 3 credit hours

Prerequisite: CIS 130

This is a second course in Pascal designed to prepare a student to use Pascal in real world software applications. Modularization, data encapsulation, data structures, pointers, testing strategies, program verification and documentation will be covered. Searching and sorting techniques will be studied. Students will complete an indepth programming project.

CIS 240. CAREER PRACTICES SEMINAR 2 credit hours

Prerequisite: ENG 100 Communication Skills

Covers career options available in the computer industry, how to develop a career plan, preparing a job hunting plan, hiring practices, resume preparation, interviewing skills, writing a journal of job-seeking activities, salary negotiations, customer relations and how to succeed on the job. Lecture. (2 hours per week)

CIS 275. C PROGRAMMING LANGUAGE 3 credit hours

Prerequisite: CIS 130 or consent

An introductory course in the C programming language. The intended audience is experienced programmers. Most features of the C language will be discussed so that the student who successfully completes the course will be capable of versatility in using C. Emphasis is placed on structured programming techniques and sound documentation.

CIS 286. OPERATING SYSTEMS 4 credit hours

Prerequisite: First year required CIS courses

Concepts and technical knowledge of operating systems, utilities and control languages are presented with case studies of several operating systems, such as UNIX, VAX VMS, IBM MVS and Burroughs large system. Students will write command procedures in control languages of the systems studied. Lecture and Lab. (4 hours per week)

CIS 288. SYSTEMS ANALYSIS AND DESIGN 3 credit hours

Prerequisite: CIS 130 or consent

This course surveys computer applications and techniques in major areas of business; business structure; analytical communication with system users; principles of package software evaluation and acquisition; planning schedules and resource requirements for software development; program testing and installation procedures; principles of software development monitoring; structured walkthroughs and other programmer communication; and producing software development specifications.

COMPUTER SCIENCE (CPS 31)

CPS 183. INTRO TO BASIC PROGRAMMING 4 credit hours

Prerequisite: MTH 097

This course is designed for people with or without prior computer experience. Students will learn the capabilities and special features of BASIC as it appears on popular home computers, or on a time-sharing system. Largely a hands-on course, students will write and execute a wide variety of programs designed to teach programming principles, and principles of problem solution. Topics include program structure, file structure, menu-driven programs, string manipulation, arrays, sorting, searching, report generation, CAI, simulation, entertainment. This course is offered every term.

CPS 186. INTRO TO PASCAL PROGRAMMING 4 credit hours

Prerequisite: MTH 169

This course has a transfer program orientation. An introduction to the principles and practices of the Pascal programming language is presented. Designed as a teaching tool for programming concepts, Pascal

has become the preferred language of computer science departments. Students will learn about problem-solving strategies, top-down program development and good programming style. Students will write and execute approximately 8 programs in Pascal leading up to a significant final project. This course is offered every term.

CPS 187. INTRO TO FORTRAN PROGRAMMING 4 credit hours

Prerequisite: One computer language & 1 year algebra.

This course develops principles, algorithms and methods for graphics applications, using microcomputer enhanced BASIC language. Topics include function graphs, line, bar, pie graphs, polar coordinates, creative design, movement, 3D, color. Felt-tip pen plotters, graphics tablets, joystick and light-pen controllers are introduced. Includes graphics-enhanced discussion of topics in plane, solid, and analytic geometry, practical trigonometry. All necessary mathematics and BASIC will be developed. This course is useful to all, including educators, students of mathematics, sciences, art, business, CAD. Students create professional quality graphics. Special projects are welcome.

CPS 187A. INTRO TO FORTRAN PROGRAMMING 3 credit hours

An introduction to the principles and practices of the FORTRAN 77 programming language is presented. This course is the first half of CPS 187. FORTRAN is a computer language often applied to scientific and engineering problems. The language is powerful enough to have been used in some business applications. This course assumes no prior knowledge of computers or programming. Topics included in this course are: sequential structure, iterations if-then-else nesting of structures, one-dimensional arrays and character manipulations. Students will write and execute programs in FORTRAN 77 (outside class hours) covering the above topics.

CPS 284. COMPUTER GRAPHICS 4 credit hours

Prerequisite: One computer language & 1 year algebra.

This course develops principles, algorithms and methods for graphics applications, using microcomputer enhanced BASIC language. Topics include function graphs, line, bar, pie graphs, polar coordinates, creative design, movement, 3D, color. Felt-tip pen plotters, graphics tablets, joystick and light-pen controllers are introduced. Includes graphics-enhanced discussion of topics in plane, solid, and analytic geometry, practical trigonometry. All necessary mathematics and BASIC will be developed. This course is useful to all, including educators, students of mathematics, sciences, art, business, CAD. Students create professional quality graphics. Special projects are welcome.

CPS 287. ADVANCED FORTRAN PROGRAMMING 4 credit hours

Prerequisite: CPS 187 or CPS 294

The student is assumed to have a basic knowledge of FORTRAN. The more advanced features of FORTRAN and of scientific and data structure programming in general are covered. Students will write and execute several FORTRAN programs utilizing files, libraries, sorting and data structures such as stacks, queues, linked lists, trees and hash tables. This course does transfer to some four-year institutions and is normally offered in the Fall term.

CPS 294. COMPARATIVE LANGUAGES 4 credit hours

Prerequisite: CPS 183, CPS 186, CPS 187 or CPS 188

This course has a transfer program orientation. This course is designed to compare and contrast the characteristics of several popular programming languages. Each language will be discussed and evaluated in terms of criteria such as: general application area, efficiency, portability, ease of programming, and ease of maintenance. Students will write short programs in most of the languages discussed. Languages will probably include: BASIC, PL/I, FORTRAN, FORTRAN 77, ALGOL, and Pascal.

CORRECTIONAL SCIENCE (COR 39)

COR 132. CORRECTIONAL INSTITUTIONS 3 credit hours

The course is designed to examine the various types of correctional institutions and the training of the personnel who staff them. There will also be an examination of the rights and responsibilities of both staff and inmates to include the social effects upon each.

COR 211. LEGAL ISSUES IN CORRECTIONS 3 credit hours

The course will give the student an overview of the law as it currently applies to the field of corrections. Included will be an in depth look at the application of the Constitution and the court processes, to include prisoners rights and section 42, 1983 concerns.

COR 219. CLIENT RELATIONS IN CORRECTIONS 3 credit hours

The course is designed to provide the student with a general knowledge of the various meanings and functions of culture. In addition the student will be introduced to the impact of discrimination in corrections and the melting pot concept as it applies to Michigan. There will also be work on how one's attitudes are formed.

COR 228. THE CORRECTIONAL CLIENT: GROWTH AND DEVELOPMENT 3 credit hours

The course is designed to examine the growth and development of the correctional client, with a particular emphasis on the early environment, psychological and sociological factors, specific problems (i.e. substance abuse, sexual, medical, mental, etc.) and finally intervention strategies.

CRIMINAL JUSTICE (CJ 78)

CJ 100. INTRODUCTION TO CRIMINAL JUSTICE 3 credit hours

An indepth look at the Criminal Justice System to include Law Enforcement, Courts and Corrections, with a study as to their individuality and purposes.

CJ 122. THE CORRECTIONAL SYSTEM 3 credit hours

The correctional system from historical to contemporary times. Includes probation, parole and new treatments which are geared to deal with the first offender and repeater.

CJ 205. APPLIED PSYCHOLOGY FOR POLICEMEN .. 3 credit hours

Principles of psychology, relevant to specific applications in law enforcement, major psychological theories viewed from perspective of their application to law enforcement practices.

CJ 208. CRIMINAL EVIDENCE AND PROCEDURE 3 credit hours

Adjectival law, the law of evidence; role of the police, prosecutor, defense counsel, judge and jury; the judicial process; criminal procedure in various courts; law of arrest and search and seizure; and constitutional restraints. Principles of constitutional, federal and state laws as applied to law enforcement.

CJ 209. CRIMINAL LAW 3 credit hours

For either lawyer or layman. Designed to broaden the understanding of the student concerning the various agencies involved in the administration of criminal law. Emphasis on the more important law enforcement functions from arrest to executive pardon.

CJ 210. INTRODUCTION TO CRIMINALISTICS 3 credit hours

Criminalistics is the study and application of the physical and natural sciences to the collection and evaluation of evidence. This course offers an introduction to the examination of physical evidence including the collection, preservation, transportation, storage and identification of physical evidence; crime laboratory resources and capabilities; and a demonstration of laboratory criminalistics. (3 hours per week)

CJ 223. JUVENILE JUSTICE 3 credit hours

The major emphasis of this course is on problems of law enforcement related to juvenile crime. Major topics covered include theories of juvenile delinquency, work of youth agencies, legislative involvement and new approaches to the prevention of juvenile crime.

CJ 224. CRIMINAL INVESTIGATION 3 credit hours

A basic overview of investigative techniques as they pertain to many criminal justice agencies, to include the police. Course deals with the practical applications at crime scenes.

CJ 225. SEMINAR IN CRIMINAL JUSTICE 3 credit hours

A unifying experience and evaluation of criminal justice systems, policies and practices. Preparation of a concluding research paper is required in this course.

CULINARY ARTS (CUL 74)

CUL 100. INTRODUCTION TO HOSPITALITY INDUSTRY MANAGEMENT 3 credit hours

Designed to give the student the history of the hospitality industry, trends, developments and opportunities in the industry today. An introduction to the study of the organizational structure and functions of management.

CUL 110. SANITATION AND HYGIENE 3 credit hours

Communicates the importance of sanitation to the hospitality worker, layman's bacteriology, communicable diseases, food poisoning, pest control, cleaning and sanitizing; personal hygiene. Students who complete this course and pass the exams receive National and State Sanitation Certification.

CUL 111. ELEMENTARY FOOD PREPARATION 6 credit hours

Development of standards of food preparation, portion control, service techniques, sanitation, receiving and storage of food and materials. Students identify foods and equipment and demonstrate proper use. Laboratory and lecture. (14 hours per week)

CUL 118. PRINCIPLES OF NUTRITION 3 credit hours

General principles of nutrition as they pertain to selection of foods, nutritional needs of all age groups; the meaning of food to people; the relationship of food and nutrition to health menu planning.

CUL 222. QUANTITY FOOD PRODUCTION 6 credit hours

Prerequisite: CUL 111

Application of techniques learned in Elementary Food Production course. Students have opportunities throughout course to learn expert preparation of soups, sauces, meats, breads, desserts, salads, appetizers and vegetables. (14 hours per week)

CUL 150. DINING ROOM MANAGEMENT 6 credit hours

Focusing on the point of sale, the students will be provided with an opportunity to apply managerial responsibility in the "front of the house."

Special emphasis is placed on various styles of table service, sales and promotion, training, follow up and supervisory skills. Laboratory and lecture. (12 hours per week)

CUL 199. ON-THE-JOB TRAINING 1-6 credit hours

To permit students who have accumulated at least 30 credit hours in the Foods and Hospitality Department the opportunity to earn 3 credit hours while working under supervised conditions in a commercial foods facility. A minimum of 300 hours of work on the job is required.

CUL 219. ELEMENTARY BAKING 4 credit hours

Prerequisite: CUL 111

A course in baking including yeast doughs, hot breads, muffins, puff pastry doughs, fillings, glazes, basic cake decorating and desserts. (6 hours per week)

CUL 220. ORGANIZATION AND MANAGEMENT OF FOOD SYSTEMS 3 credit hours

Prerequisite: CUL 100

A study of types of organization, the process of recruitment, selection, training and evaluation, labor policies, collective bargaining and human relations techniques in personnel management.

CUL 228. LAYOUT AND EQUIPMENT 4 credit hours

Prerequisite: CUL 111

Designed to give necessary insight involved in establishing a restaurant or food service facility. Includes research, surveying, planning and construction of both menu and kitchen layout. (6 hours per week)

CUL 260. CATERING AND BANQUETS 3 credit hours

Prerequisite: CUL 111

The complete process of planning and serving banquets will be taught; including use of facilities, promotion, menu planning, food purchasing costs, labor costs and production. The students will practice in actual development of banquets from inception to service.

DANCE (DN 16)

DN 101. BEGINNING MODERN DANCE I 2 credit hours

Warmup stretches, strengthening exercises and movement sketches introduce the student to the range of modern dance movement. Students learn to become aware of their own bodies and the infinite range of creative movement possible to them.

DN 103. BEGINNING TAP DANCE I 1 credit hour

An opportunity to learn basic tap dance vocabulary which will be incorporated into traditional steps and dance routines. Total body awareness and rhythmical enjoyment will be emphasized.

DN 105. BEGINNING JAZZ DANCE I 2 credit hours

This course will give the student a wide range of movement to use for self expression and physical enjoyment. Jazz exercise and dances will stretch and tone the body while developing better coordination and rhythm.

DN 106. BEGINNING JAZZ DANCE II 2 credit hours

Prerequisite: DN 105 or equivalent

An experience in moving intended for the student with jazz dance background who wants to work on proficiency of jazz movement and stylized dancing.

DN 107. BEGINNING BALLET I 2 credit hours

An overview of ballet technique and steps intended for the student who wants to work on body awareness and alignment and skillful execution of movement while enjoying ballet's inherent beauty.

DN 108. BEGINNING BALLET II 2 credit hours

Prerequisite: DN 107 or equivalent

A continuation of beginning ballet steps and movement for the student who wants to work on improving proficiency of execution.

DN 110. AFRO-AMERICAN DANCE I 1 credit hour

To introduce the basic movements used in American "boogie," jazz, Dixieland, modern and Latin dance. The focus of the class is to identify these movements and relate them to their ancestral African and African/American dance heritage.

DN 122. BALLROOM DANCE I 1 credit hour

Students will learn the basics of good social dance so that they can feel comfortable in any dance situation. They will learn how to lead, follow, and dance the most popular and most useful dances: fox trot, waltz, swing, cha-cha, rhumba, polka and hustle. Designed for those with limited or no experience or for those who wish to review the basics.

DN 123. DANCE EXERCISE I 1 credit hour

Designed for the student who is looking for a slower paced dance exercise program, this choreographed program of stretching, simple dance routines, and reducing, all set to various types of music, will help trim and recondition the body while providing an excellent starting or re-entry point for a fitness program. Students will be encouraged to develop a total fitness program. Discussion of nutrition and the learning of simple relaxation techniques will also be a part of this class where **no prior dance or exercise experience is required.**

DN 210. AFRO-AMERICAN DANCE II 1 credit hour

Prerequisite: DN 110 or equivalent

To further the student's dance vocabulary using basic African/Afro-American movements employed in the "boogie," jazz, Dixieland, modern and Latin dance. Emphasis is to build confidence through the use of movement combinations; traditional African/Afro-American movement; exploring solo creation, and learning at least one Afro-American dance. Performance is encouraged, but not mandatory.

DN 222. BALLROOM DANCE II 1 credit hour

Prerequisite: DN 122 or equivalent

Students will perfect the basics of good social dance so that they can excel in any dance situation. They will learn advanced patterns in fox trot, waltz, swing, cha-cha, rhumba, polka and hustle. They will be introduced to tango, mambo and samba. Designed for those who have previous ballroom dance.

DN 223. DANCE EXERCISE II 1 credit hour

Prerequisite: DN 123 or equivalent

This class is designed for the student who is in reasonable physical shape. Students in this dance exercise class will learn choreographed warm-up, aerobic, strengthening, and cool down routines that will help condition the heart and lungs and help keep the body flexible and toned. All routines are set to various types of music. To encourage students to develop a total fitness program, discussion of nutrition and the learning of simple relaxation techniques will be included.

DN 224. DANCE EXERCISE III 2 credit hours

Prerequisite: DN 123 and DN 223 or equivalent

A continuation of Dance Exercise I and II, this class is a fitness maintenance class for those who have already been introduced to aerobic dance exercise. Students will learn choreographed warm-up, aerobic, strengthening, and cool down routines that will help condition the heart and lungs and help keep the body flexible and strong. All routines will be set to various types of music. For the development of a total fitness program, time will be devoted to a discussion of nutrition and the learning of relaxation techniques.

DENTAL ASSISTING (DA 51)

(Enrollment priority for these courses is granted students admitted to this program.)

DA 039. DENTAL ASSISTANT REVIEW 1 credit hour

Prerequisite: Graduate or OJT Dental Assistant

This course will provide a prospective candidate for a dental assistant credentialing exam an opportunity to review course materials; gain knowledge about test taking; take a simulated exam; examine areas of need prior to taking a credentialing exam.

DA 110. INTRODUCTION TO DENTAL ASSISTING 3 credit hours

Prerequisite: Admission to the Dental Assisting Program

This course is an orientation to dental assisting. This is a study of the history of dentistry, professional organizations, ethics, and the role of the modern dental health team. The student will be introduced to the dental operatory, equipment, and basic procedures used in four-handed dentistry. Each student will be assigned to clinical experiences in the Washtenaw Community College Dental Clinic.

DA 111. DENTAL SCIENCE 4 credit hours

Prerequisite: Admission to the Dental Assisting Program

This is an introductory course to head and neck anatomy. This is a study of skull and facial bones, masticatory muscles, oral anatomy—hard and soft tissues, anatomical nomenclature, tooth development and morphology, tooth surface annotation, cavity classification, occlusion and malocclusion, dental caries and fluoride.

DA 113. DENTAL MATERIALS 3 credit hours

Prerequisite: Admission to the Dental Assisting Program

This course is designed to give the dental assistant student a general knowledge of the uses and properties (chemical and physical) of the most commonly used dental materials. This student will gain actual experience in manipulation of common dental materials used in the practice of dentistry.

DA 114. CLINICAL DENTAL ASSISTING 3 credit hours

Prerequisite: Admission to the Dental Assisting Program, a 2.0 Grade Point Average in DA 110

This course is an introduction to the clinical role of the dental assistant. It is a study of the procedure and instrumentation of common dental operative procedures. The student will be introduced to the basic techniques used in the operative procedures. Each student will be assigned to clinical experiences in the Washtenaw Community College Dental Clinic.

DA 120. ORAL DIAGNOSIS 2 credit hours

Prerequisite: A 2.0 Grade Point Average in DA 111 and 114

This theoretical and practical course will provide the student with the knowledge and techniques used to obtain diagnostic data and the methods of recording this data. Treatment planning and referral letter writing will also be included as well as instruction in blood pressure recording.

DA 224. ADVANCED FUNCTIONS 3 credit hours

Prerequisite: A 2.0 Grade Point Average in all Dental Assisting courses

A course designed to provide dental assisting students with knowledge and skill in performing intraoral functions as outlined in the Michigan State Dental Practice Act.

ECONOMICS (EC 02)

EC 111. CONSUMER ECONOMICS 3 credit hours

The wise use of financial resources today requires more than an income-producing job and simple subtraction skills. In today's world, an individual must approach his or her financial needs with the savvy of an investment counselor managing the affairs of the company's most important client. In the course, the students will learn the basics of budgeting, money management, use of credit and buying, the intricacies of home ownership, income tax, and investments, and the wise use of insurance, wills, and trusts. This course is also taught as a television course using the program series "Personal Finances and Money Management."

EC 211. PRINCIPLES OF ECONOMICS I 3 credit hours

The first half of basic principles of economics. Emphasizes macronomics concepts of national income, fiscal and monetary policy and problems of unemployment, inflation and economic growth. Required of all Business Administration transfer students. This course is also taught as a television course using the program series "The Money Puzzle."

EC 222. PRINCIPLES OF ECONOMICS II 3 credit hours

Prerequisite: EC 211 or permission of instructor

Second half of an introduction to basic principles of economics. Emphasizes microeconomic concepts of demand, supply and problems relating to prices and resource allocation.

ELECTRICAL/ELECTRONICS (EE 65)

EE 101. SERVICING TECHNIQUES I 4 credit hours

Corequisite: EE111

Development of techniques for service and maintenance of electrical/electronic systems. Use and care of tools and measuring instruments. Splicing, soldering, simple printed circuit layout and fabrication. The study of and working with materials and circuits found in residential wiring systems and common electronic equipment. Lecture and Lab. (6 hours per week)

EE 105. INTRODUCTION TO TELECOMMUNICATIONS 3 credit hours

An introductory level course designed to expose the entering student to the concepts, equipment, and terminology used in the telecommunication industry. Topics include: basic telephony, transmission systems, satellite communications, fiber optics, switching systems, data communications and local area networks. Lecture. (3 hours per week)

EE 123 FUNDAMENTALS OF ELECTRICITY 8 credit hours

An introductory course in electricity. Topics include D.C. and A.C. circuits, Ohm's law, Kirchhoff's laws, superposition and Thevenin's theorems, and j-operator. Lab topics include wiring circuits and measuring voltage, current, resistance, and waveforms. Lecture and open labs. (9 hours per week plus open lab time)

EE 123A. FUNDAMENTALS OF ELECTRICITY A 5 credit hours

The first half of Fundamentals of Electricity 123. Topics include D.C. circuits, Thevenin's and Norton's theorems, Kirchhoff's laws. Laboratory topics include wiring circuits and making circuit measurements with laboratory test equipment. (5 hours per week plus open lab time)

EE 123B. FUNDAMENTALS OF ELECTRICITY B 5 credit hours

The second half of Electricity EE 123. Topics include: A.C. circuits, Ohm's Law, Kirchhoff's Law and the j-operator. Lab topics include wiring and drawing A.C. circuits and circuit measurement. Proficiency will be gained using signal generators and the oscilloscope. Lecture and open Lab. (5 hours per week plus open lab time)

EE 134. MOTORS AND CONTROLS 4 credit hours

Prerequisite: EE 123

D.C. motors and generators, A.C. motors and generators; measurements of torque, speed, power; speed control, starting, stopping, reversing; SCR speed control; three phase circuit analysis; transformers; stepper motors; brushless D.C. motors; JIC symbols and ladder diagrams. Lecture and Lab. (6 hours per week)

EE 136. FUNDAMENTALS OF DIGITAL ELECTRONICS 2 credit hours

An introductory level course in digital electronics circuits. Hands-on exercises provide experience in analyzing modern integrated digital circuit.

EE 137. SWITCHING LOGIC 3 credit hours

Fundamentals of digital logic: number systems, digital codes, Boolean algebra, and gate minimization techniques. The functional and logical operations of basic logic gates, combinational logic, flip-flops, sequential logic, memories and arithmetic logic are studied. Lecture and Lab. (4 hours per week)

EE 139. COMPUTER SYSTEMS I 4 credit hours

Prerequisite: Preceded or accompanied by EE 137 and/or EE 140.

Corequisite: EE 140

This course is an introduction to the physical and logical makeup of a computer system. The major functional units of a computer system and their relationship with each other are examined. Topics include coding systems, data storage, data representation, central processor architecture, input/output devices, input/output techniques, bus structures, programming concepts, flow-charting, machine language programming and software components. The laboratory provides hands-on experience with computer equipment. Lecture and Lab. (6 hours per week)

EE 140. SOFTWARE CONCEPTS I 3 credit hours

Prerequisite: EE 123. Corequisite: EE 139

Student will use standard software design techniques to develop and code algorithms for the solution of electrical circuit problems, thus gaining a useful tool for problem solution while learning software fundamentals such as understanding the difference between syntax and semantics, refinement of algorithms into working solutions, executing programs on a computer system, development of consistent test cases and preparation of understandable documentation. Fundamental operating system concepts will be covered. Lecture and Lab. (4 hours per week)

EE 205. BASIC TELEPHONY 4 credit hours

Prerequisite: EE 105

The theory, maintenance, and installation of telephone systems including basic electromechanical and electronic key systems with an emphasis on voice systems. Measurements, troubleshooting, transmission lines and switching concepts are emphasized. The latest telephone system technology will be studied. Lecture and Lab. (6 hours per week)

EE 211. BASIC ELECTRONICS 4 credit hours

Prerequisite: EE 123

Semiconductor devices and circuits. Semiconductor materials, the PN junction diode, power supplies, bipolar junction transistor, characteristic curves, operating regions, common-emitter circuit, common-base, common-collector circuits, transistor switch, small signal amplifiers, load lines, biasing techniques, temperature characteristics and trouble shooting procedures. Lecture and Lab. (6 hours per week)

EE 215. DIGITAL COMMUNICATIONS I 3 credit hours

Corequisite: EE 105, EE 211

An introductory course in data communication principles and techniques. Topics include communication media, circuit types, data codes, interfaces, protocols, data transmission integrity, modems and modulation, digital transmission, multiplexers, distributed data processing networks, and network types and services. Lecture. (3 hours per week)

EE 221. COMPUTER PERIPHERALS 3 credit hours

Prerequisite: EE 139

Input/output devices of a typical computer system including printers, tape and disc drives. The lecture includes the theory of operation of the devices, their control units and their interaction with the central processor. The

laboratory activities are presented with the object of stressing the mechanical, electronic and logical principles of operation. Fall offering. (4 hours per week)

EE 222. DIGITAL ELECTRONICS I 4 credit hours

Prerequisite: EE 211

Theory, analysis and application of pulse and digital circuits. Includes pulse parameters, waveform analysis, RC integrators, RC differentiators, clippers, clampers, the bipolar junction transistor inverter, the CMOS inverter, flip-flops, the Schmitt trigger, sweep and sampling circuits. Lecture and Lab. (6 hours per week)

EE 224. PROGRAMMABLE CONTROLLERS 4 credit hours

Prerequisite: EE 123

Review of digital logic principles needed to understand programmable controllers. Topics include ladder diagrams, relays; programming and interfacing the Modicon Micro-84; programming and interfacing the Allen Bradley PLC-4; selected I/O devices. Lecture and Lab. (6 hours per week)

EE 225. DIGITAL COMMUNICATIONS II 4 credit hours

Prerequisite: EE 215, EE 205

Theoretical and practical aspects of digital communication systems. Major topics include telephone system performance requirements, transmission of data, digital modulation, modems, data terminals, operation of data communication links, data communication software, network protocols, pulse transmissions and the effects of noise and other distortions. Lecture and Lab. (6 hours per week)

EE 230. COMPUTER SYSTEMS II 4 credit hours

Prerequisite: EE 139 and EE 211

The operation, servicing and troubleshooting of a digital computer system based on the PDP-11 minicomputer. This course emphasizes the operation of the CPU, and the topics include addressing modes, instruction sets, assemble language programming, business operation, CPU organization, main memory, I/O techniques and PDP-11 families. The architecture, implementation and operation of the KD-11A CPU is studied. Lecture and Lab. (6 hours per week).

EE 234. VAX/VMS FOR HARDWARE TECHNICIANS ... 3 credit hours

Prerequisite: EE 140 Software Concepts for Hardware Technician, EE 230 Computer Systems II. Corequisite: EE 235 Computer Systems III

This course deals with the practical skills needed to perform hardware maintenance on VAX systems. Topics include maintenance of the current diagnostic files, management of account privileges, installation of current version of VMS, running the User Environment Test Program as a system verification tool and the collection of relevant data on system problems. Lecture and Lab. (4 hours per week)

EE 235. COMPUTER SYSTEMS III 4 credit hours

Prerequisite: EE 230 and EE 221

A more detailed study of digital computer system operation and servicing based on the PDP-11/40 and an introduction to VAX systems. Topics include mainframe maintenance, peripheral devices and interfacing, disk operation, troubleshooting techniques and use of diagnostic programs. Lecture and Lab. (6 hours per week)

EE 236. COMPUTER VIDEO-DISPLAY TERMINALS ... 4 credit hours

Prerequisite: EE 238, EE 241. Corequisite: EE 235

A detailed study of Video-Display Terminals and their operation in a computer system. The systems studied are based on the components and principles covered in the prerequisite courses: Computer Systems II, Electronic Analog Circuits and Digital Electronics II. The course emphasizes operation and maintenance of hardware. Topics include display technologies, Video Terminal types, UARTS, Modems, Computer interface and analog-to-digital conversion. A graphic terminal (using a direct-view storage-tube display) and a personal computer (with a color display) will be described at a detailed functional-block level. Labs will be based on a VT52/PDP-11 minicomputer configuration. Lecture and Lab. (6 hours per week)

EE 238. ELECTRONIC ANALOG CIRCUITS 4 credit hours

Prerequisite: EE 211

The theory of operation and characteristics of JFET's and MOSFET's, biasing techniques for FET's and FET amplifier characteristics. The prin-

ciples of negative feedback and closed-loop gain. The operation and characteristics of IC operational amplifiers when used as inverting amps, non-inverting amps and differential amps. The application of IC op amps for signal processing, comparators and oscillators are also studied. Lecture and Lab. (6 hours per week)

EE 240. CAREER PRACTICES SEMINAR 2 credit hours

Prerequisite: English 100 Communication Skills

Covers career options available in the Computer industry, how to develop a career plan, preparing a job hunting plan, hiring practices, resume preparation, interviewing skills, writing a journal of job-seeking activities, salary negotiations, customer relations and how to succeed on the job. Lecture. (2 hours per week)

EE 241. DIGITAL ELECTRONICS II 4 credit hours

Prerequisite: preceded or accompanied by EE 222

Digital electronic circuits. The characteristics of modern integrated circuits and applications in digital systems. The operation, electrical parameters, and application of basic logic gates with emphasis on the TTL and CMOS logic families. Extensive use made of manufacturer's specification sheets. Digital adders, subtractors, shift registers, counters, timing circuits, decoders, encoders, memories and control waveform generation. Experience in the use, operation, testing and troubleshooting of integrated logic circuits. Lecture and Lab. (6 hours per week)

EE 244. ELECTRONIC CONTROL SYSTEMS 4 credit hours

Prerequisite: EE 134, EE 211 and PHY 110

The theory and practical aspects of troubleshooting and maintaining an automatic control system; open and closed loop control of linear and rotational actuators; constant speed control systems; position control; sensors and transducers; proportional, integral, and differential control. Lecture and Lab. (6 hours per week)

EE 250. MICROPROCESSORS 4 credit hours

Prerequisite: EE 139 or permission of instructor

An introductory technician level course on the theory, hardware, software and applications of microprocessors. Includes microprocessor architecture, programming, input/output interfacing and peripherals. Laboratory and Lab. (6 hours per week)

EE 299. CUSTOMER RELATIONS 1 credit hour

Students will enhance their technical skills through the techniques gained in this course. Developing insight using demonstrations, video tape, role playing, and interaction, the student will be guided in a curriculum which builds a value added attitude for customer service personnel. Skills learned will include controlling ourselves, influencing customer satisfaction and that of the employee as their technical skills are provided in service delivery occupations.

ENGLISH (ENG 24)

WRITING LAB

The Writing Lab provides three services. First, students enrolled in English 040, 050, 051, 091, 100, and 111 receive additional practice and/or assignments in developing writing skills in the lab. The practice method varies from course to course. Second, students can receive help on any writing projects from the lab staff. Third, students may enroll in a self-paced course offered exclusively in the lab. Two such courses are offered, each for one credit hour: Writing Practicum (ENG 010) and Text Editing (ENG 015). Please see course descriptions below.

ENG 010. WRITING PRACTICUM 1 credit hour

Provides individualized instruction. Students may be referred to this course by their instructor to remove a specific deficiency in their writing. Students may enroll in course to improve writing or receive help in completing writing assignments.

ENG 015. TEXT EDITING 1 credit hour

Provides individualized self-paced instruction in using the computer to edit papers, letters, memos and other written communication. Students begin by learning basic editing functions on the Apple IIe computer and practicing with assigned texts. Students finish the course by editing their own writing. Instruction is based on student's interest and may include use of graphics software, speller and text editor. Students do all of their work in the Writing Lab at their own pace in consultation with a Writing Lab Instructor.

- ENG 030. ENGLISH FOR THE FOREIGN BORN I** 2 credit hours
Individualized instruction for foreign-born residents who wish to feel more comfortable and confident in their English skills, with special application to personal, social, and business situations. Offers extensive practice in understanding, speaking, pronouncing, and writing basic American English. Special attention to spelling and daily usages.
- ENG 031. ENGLISH FOR THE FOREIGN BORN II** 2 credit hours
A continuation of all the areas covered in English 030.
- ENG 040. BASIC WRITING — ESL** 3 credit hours
Prerequisite: Score of 75 on English Placement Test or approval of instructor. Corequisite: ENG 000
Developing skills in formal written English for non-native speakers of English. Emphasizes rhetorical structures, vocabulary, and a review of individual problem areas in grammar.
- ENG 050. BASIC WRITING I** 4 credit hours
Corequisite: ENG 000
For students not prepared for the regular English college parallel composition class. Students work at their own speed with materials appropriate to their capabilities. Emphasis on sentences and paragraphs.
- ENG 051. BASIC WRITING II** 4 credit hours
Corequisite: ENG 000
A continuation of English 050 with an individualized program of studies in basic writing skills.
- ENG 091. WRITING FUNDAMENTALS** 4 credit hours
Corequisite: ENG 000
A course for writers who have mastered most of the grammar and mechanical skills (spelling and punctuation) necessary for successful college writing. Course focuses on longer paragraph and short narrative essays. Individualized instruction provided to prepare student for 100-level writing courses. Student must select a writing lab section with this course.
- ENG 100. COMMUNICATION SKILLS** 4 credit hours
Corequisite: ENG 000
Students receive practice in a variety of writing assignments relevant to their program area. Assignments include letter writing for a variety of situations (eg. job application, complaint, commendation, courtesy), memos written in response to situations students are likely to encounter on the job, resumes fitted to the student's particular background (work and educational experience), and other writing forms. During the first week of class, students must demonstrate a writing proficiency at the ENG 091 level. Primarily for native speakers of English. Students must select a writing lab section with this course.
- ENG 102. TERM PAPER** 1 credit hour
Provides individual instruction for students engaged in preparing a research paper. Step by step help provided in topic selection, information gathering, note taking, organization, writing, documenting, and revising. Students who enroll in this course must use a text processor (computer) to complete their work. Students' accessible computers are available at several locations on campus, including the Writing Lab.
- ENG 107. TECHNICAL COMMUNICATIONS** 3 credit hours
Prerequisite: ENG 100
A continuation of writing skills and situations presented in ENG 100, Communication Skills. Emphasis on writing longer and more sophisticated occupational communication and oral presentations.
- ENG 111. COMPOSITION I** 4 credit hours
Corequisite: ENG 000
Developing skills in written composition (from paragraphs to expository essays and documented papers), logical thinking and reasoning, and critical reading. Methods of organization and development. Students write both in-class and outside themes frequently. Reading materials serve as basis for papers and for classroom discussions. During the first week of class, students must demonstrate a writing proficiency at the ENG 091 level. Students must select a writing lab with this course.
- ENG 122. COMPOSITION II** 3 credit hours
Prerequisite: ENG 111
A continuation of English 111 with emphasis on research and critical literary papers along with narrative and persuasive writing.
- ENG 145. WOMEN WRITERS** 3 credit hours
A survey of poetry, fiction, drama and essays by women, with an emphasis on 20th Century writers. Explores the writings of women authors and what those authors have to say about themselves and the world around them.
- ENG 160. INTRODUCTION TO LITERATURE: POETRY AND DRAMA** 3 credit hours
Study of poetic and dramatic literature designed to give an understanding of literature through close reading and discussion of selected works of poetry and drama. In both English 160 and 170 students are encouraged to evolve criteria for assessing the value of literary works. Specially designated sections of English 160 emphasize poetry or drama.
- ENG 170. INTRODUCTION TO LITERATURE: SHORT STORY AND NOVEL** 3 credit hours
Students explore short stories and the novel as they provide blueprints for living, self-discovery and recreation. Each student helped in strengthening reading and writing skills. Specially designated sections of English 170 emphasize popular literature, science fiction, biography, mystery, westerns or images of women in literature. Readings and discussion consider the cultural relevance of writings and the structural design and the effects upon the reader.
- ENG 210. CHILDREN'S LITERATURE** 3 credit hours
Survey of prose, poetry and illustrated books suitable for the preschool, elementary, and early adolescent child. Required of students entering elementary education. Also for library studies or work, teacher aide program, nursery and day care work and as general education for parents.
- ENG 211. AMERICAN LITERATURE I** 3 credit hours
Our nation's literature from the beginnings to the Civil War, stressing the major authors of the period. Relates trends of the period to contemporary problems and readings.
- ENG 212. ENGLISH LITERATURE I** 3 credit hours
English literature from the Anglo-Saxon period through the Eighteenth Century. Readings stress the major authors from Chaucer to Johnson.
- ENG 213. WORLD LITERATURE I** 3 credit hours
World Literature 213 and 224 is a sequence which attempts an approach to the eternal values of man through literary masterpieces written from the time of ancient Greece to the present.
- ENG 260. JOURNAL WORKSHOP I** 3 credit hours
Workshop offers in-class writing as a means to self-discovery and expression. Students explore movement and continuity of their lives, while exploring creative and healing power of symbols. Student composes own biography against background of universal problems and solutions. Choice of many ways to use writing: biography, mind exploration, growth work, creative expansion, problem solving, renewing faith, celebrating life, affirming commitments. Chance to start writing project you've been putting off. Journals remain confidential. Transferable to four year colleges.
- ENG 261. JOURNAL WORKSHOP II** 3 credit hours
Prerequisites: ENG 260
A continuation of English 260 Journal Workshop, for students who have already completed 260, and who wish to continue to develop their skills and produce additional written work.
- ENG 270. CREATIVE WRITING I** 3 credit hours
A course in the fundamentals of creative writing through the analysis of various forms of writing and frequent written exercises in poetry, fiction, basic playwriting and non-fiction. Students encouraged to develop writing skills according to personal interests and abilities. A course assumption is that understanding of the skills involved in creative writing promotes better reading of literature. Also designated for persons seeking an avocation in creative writing with interest in learning the fundamentals of the craft.

ENG 271. CREATIVE WRITING II 3 credit hours

Prerequisite: ENG 270

A continuation of English 270, Creative Writing, for those students who have already completed 270 and who wish to continue to develop their skills and produce additional written work.

**FINANCE
(FIN 43)****FIN 220. PRINCIPLES OF FINANCE** 3 credit hours

Prerequisite: ACC 122

A survey of the whole field of finance, both private and public. Emphasis on nature and role of finance in our economy, monetary system of the United States, commercial banking, Federal Reserve System, savings, nature of business financing, international finance, nature of consumer credit, interest rates and money markets and financing state and federal governments.

**FIRE PROTECTION
(FP 79)****FP 090. LABOR RELATIONS
IN THE PUBLIC SECTOR** 3 credit hours

Labor relations as it applies to the public sector. Simulated collective bargaining procedures and case studies discussed. A field study report required.

FP 100. INTRODUCTION TO FIRE PROTECTION 3 credit hours

Prerequisite: Consent of department

The history and development of fire protection, the role of the fire service in the development of civilization; personnel in fire protection; introduction to general fire hazards; and the problems and possible solutions for current and future fire protection.

FP 103. FLAMMABLE MATERIALS 3 credit hours

For students in the Fire Protection Program. The chemistry of flammable and explosive materials with special emphasis on hazards.

**FP 250. FIRE PROTECTION TRAINING
METHODOLOGY** 3 credit hours

This course is designed to prepare training officers to conduct fire protection training programs. The course includes study of various components essential in the development and delivery of fire protection training. This course is equivalent to the National Fire Academy Educational Methodology I course.

**FLUID POWER
(FLP 67)****FLP 111. FLUID POWER FUNDAMENTALS** 4 credit hours

Basic components of hydraulic and pneumatic systems as well as a general understanding of the basic laws and formulas. Pumps, control valves, actuators, ANSI symbols are used for circuit construction and print reading. Laboratory experiences include assembly and disassembly of components and construction of hydraulic circuits. (5 hours per week)

FLP 122. HYDRAULIC PUMPS 4 credit hours

Prerequisite: FLP 111 or consent

Experience with a variety of different types and styles of pumps including piston, vane, gear and combination pumps. Construction, testing and maintenance procedures, laboratory experiences. (5 hours per week)

FLP 201. PLUMBING AND PIPEFITTING I 3 credit hours

A practical study of plumbing and pipefitting fundamentals as well as the classifications and functions of boilers, steam and hot water heating systems. Heating code included.

**FRENCH
(FRN 18)****FRN 111. FIRST YEAR FRENCH I** 4 credit hours

A beginning and transferable course in French which emphasizes the aural-oral approach. Classroom work and language laboratory sessions assist the student in establishing and perfecting basic conversational tools in the language. No prerequisite is necessary.

**FRN 120. BEGINNING
CONVERSATIONAL FRENCH** 2 credit hours

Basic French course, mainly conversational in approach, assumes no previous knowledge of the language, is chiefly for persons interested in foreign travel through a basic knowledge of spoken and written French. French 120 may also be taken as a preview for students entering the First Year College French studies or students already enrolled in first year course.

**FRN 121. INTERMEDIATE
CONVERSATIONAL FRENCH** 2 credit hours

Prerequisite: FRN 120

Continuation of French 120. Provides vocabulary expansion and cultural insights through student involvement in the conversation practice sessions.

FRN 213. SECOND YEAR FRENCH I 3 credit hours

Prerequisite: FRN 122 or consent

A review of first year French language, as well as an introduction to cultural and commercial French. Students with good high school backgrounds or previous language experience in French may be eligible for admission without French 111 and 122.

**GENERAL STUDIES
(GS 15)****GS 111. FIRST YEAR RUSSIAN I** 4 credit hours

A beginning and transferable course in Russian which emphasizes the aural-oral approach. Classroom work and language laboratory sessions assist the student in establishing and perfecting basic conversational tools in the language. No prerequisite is necessary.

GS 180. STUDY PROBLEMS IN RUSSIAN 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Russian. These activities are individualized, and special aspects of the Russian language or culture are studied. (Hours arranged)

**GEOGRAPHY
(GEO 03)****GEO 100. GEOGRAPHY AND ENVIRONMENT** 3 credit hours

Survey of contemporary global society emphasizing the interrelationships between developed and developing nations. Introduces students to the theory and methodology of the discipline and examines current environmental issues such as land use, acid rain, and soil erosion.

**GEOLOGY
(GLG 34)****GLG 100. INTRODUCTION TO EARTH SCIENCES** 4 credit hours

For students who desire to obtain a broad perspective of the science. Practical training in earth science, including work with soils, minerals, glaciers, volcanism, maps, meteorology, astronomy, and oceanography and a field trip to points of interest is included in the three hour weekly laboratory. (5 hours per week.) This course is taught as a telecourse course using the program series "Earth, Sea and Sky."

GLG 125. HISTORICAL GEOLOGY 4 credit hours

Prerequisite: GLG 114

Development of North America as a typical continent, covering the formation of mountains, plains, and evolution of life on land and water, and the identification of fossils and interpretation of geologic maps. A three day weekend field trip is required with food and housing expenses the responsibility of the student. (5 hours per week)

**GRAPHIC DESIGN TECHNOLOGY
(GDT 77)****GDT 100. TYPOGRAPHY I** 4 credit hours

Prerequisite: MTH 151 or equivalent proficiency

Introduction to principles/evolution of typography with concentration on typeface identification, copyfitting, and layout formulation. Assignments investigate lettering as design element for graphic design and advertising. (6 hours per week)

GDT 101. DESIGN SURVEY 2 credit hours

Survey of historical and contemporary styles and influences in advertising, graphic design, and typography. Field trips are periodically scheduled.

GDT 114. PUBLICATION LAYOUT 4 credit hours

Production of varied media comprehensives for advertising, typography and graphic design including page formatting, posters and newspaper/magazine advertisements. Marker sketches to highly refined presentation works constitute coursework.

GDT 215. TYPOGRAPHY II 2 credit hours

Prerequisite: GDT 112, GDT 113

Continuation of principles of Typography with greater concentration on typographic layout, implementation and expressive/explorative design solutions. (4 hours per week)

GDT 216. GRAPHIC REPRODUCTION 4 credit hours

Prerequisite: ART 112

Basic printing processes and terminology covers the various stages required for producing printed materials. Students concentrate on hands-on execution and take projects through printing preparation to the final printed piece. (6 hours per week)

GDT 226. AIRBRUSH TECHNIQUES 4 credit hours

Prerequisite: ART 111 or consent of department

Introduction to various rendering techniques using an airbrush and various associated materials. Assignments deal with illustrative and graphic design solutions to industry related projects. (6 hours per week)

GDT 229. SCREENPRINTING TECHNIQUES 4 credit hours

Prerequisite: GDT 216 or consent of department

An introductory course in screen process printing (known as silkscreen printing). Through projects, students will acquire knowledge of screen image make-ready and printing. The four basic methods to be studied are: 1) tusche, 2) hand-cut film 3) hand-made photo and 4) direct image photography. Students will be given hands-on experience in hand-screen and machine printing. (6 hours per week)

GDT 236. SPECIALIZED STUDY 2-4 credit hours

Prerequisite: GDT 113, GDT 214

An opportunity for students to work independently with faculty on projects related to industry. Students are recommended to concentrate on study in areas of interest and subjects not fully covered in the curriculum such as computer typesetting. (Hours TBA)

HEALTH SCIENCE (HS 56)

HS 039. ANATOMY AND PHYSIOLOGY REVIEW FOR PATHOPHYSIOLOGY 1 credit hour

Prerequisite: BIO 111 or equivalent. Corequisite: HS 220

Overview of anatomy and physiology principles for students in HS 220. This course does not teach basic anatomy and physiology. It presents a review that corresponds with systems taught in HS 220.

HS 113. INTRODUCTION TO MEDICAL SCIENCES ... 2 credit hours

This course provides an overview of the health professions, how and why diseases occur, vital signs, death and dying. The course content may vary according to student interest.

HS 117. NUTRITION 2 credit hours

Presents normal nutrition and its relation to health. Includes nutritional needs for various age groups and introduces therapeutic nutrition. Emphasis on the importance of nutrition in the growth and functioning of the human body.

HS 147. GROWTH AND DEVELOPMENT 3 credit hours

Corequisite: NUR 135 or consent of faculty

Study of the physical, psychological and social growth of the individual from birth to death. Includes the study of the family in society.

HS 226. PATHOPHYSIOLOGY 4 credit hours

Prerequisite: Nursing students or consent of faculty

The focus of this course is the study of disease processes in humans. The course includes identification of the etiology and pathogenesis of disease, alterations in normal body function, and the reaction and adaptation of the body to disease.

HS 244. MEDICAL ETHICS 2 credit hours

Prerequisite: Nursing students or consent of faculty

Exploration of various philosophies of ethics (Kantian, utilitarian, natural law). Models for decision making using a multifaceted approach and incorporating philosophy, values clarification, and legal aspects, will be used to examine current ethical issues. Among topics to be discussed are: patient rights, confidentiality, informed consent, abortion, genetic manipulation, experimental procedures, treatment of defective newborns and euthanasia.

HEATING (HTG 81)

The following list of heating courses are offered primarily as trade-related instruction to train and up-grade individuals currently employed in licensed occupations; i.e., heating/air conditioning or as boiler operators in power plants. Courses are theory presentations with little or no laboratory. Students who desire to enter these occupations are welcome providing they understand the nature of the courses. Consult the program advisor as to licensing requirements and qualifications.

HTG 101. BOILER ACCESSORIES 3 credit hours

Prerequisite: HTG 100 or consent

Devoted to boiler settings, combustion equipment, fuels, heating surfaces, stokers, pumps, safety valves, steam traps, separators, and other accessories. Keeping of records, logs and inspection preparation.

HTG 122. HEATING SYSTEMS 5 credit hours

Prerequisite: HTG 111 or consent and Refrigeration Service Engineers Society membership

Building upon Heating 111, Heating Systems covers applications, installation and start-up of heating equipment, oil, gas, electric warm air and hydronic.

HTG 215. HEAT PUMP SERVICING 5 credit hours

Prerequisite: Refrigeration Service Engineers Society membership and demonstrated knowledge of basic refrigeration, air conditioning and electricity through a prerequisite test.

Review of fundamentals, understanding heat loss/gain, heat pump principles, heat pump application and installation, compressors, refrigerant reversing components, wiring, auxiliary heaters, defrost controls, electrical controls, air distribution, equipment performance, troubleshooting, and customer relations. Upon examination the individual will be awarded a certificate of completion, with the stipulation that he or she will be required to reappear for the examination every three years.

HISTORY (HST 04)

HST 101. WESTERN CIVILIZATION TO 1600 3 credit hours

Development of the cultures and institutions of the ancient Near East and Classical, Medieval and Renaissance civilizations.

HST 102. WESTERN CIVILIZATION FROM 1600 TO THE PRESENT 3 credit hours

Cultural developments and the growth of institutions from the Renaissance to the present. Emphasis on the expansion of European civilizations.

HST 200. MICHIGAN HISTORY 3 credit hours

The history of the State of Michigan, including its geographical, economic, social, and political development. Particular emphasis is placed on the state's industrial growth, especially the automobile industry and the rise of industrial unions. More emphasis is placed on events and personalities in the 20th century.

HST 201. UNITED STATES HISTORY, 1500-1865 3 credit hours

The American peoples and their growth from early colonization to the close of the Civil War. Re-examining both the dominant themes in American life as well as the conflicts oppressed minorities faced in seeking their needs and ambitions in America.

HST 202. UNITED STATES HISTORY, 1865-PRESENT 3 credit hours

American society and politics since the Civil War. Examination of social and cultural unrest of growing America to better understand and to deal with stresses of the present. A continuation of U.S. 1500-1865.

HOTEL/MOTEL MANAGEMENT (HMT 75)

HMT 100. HOSPITALITY INDUSTRY ACCOUNTING 3 credit hours

Provides basic knowledge of bookkeeping and accounting skills and orientation to office procedures as related to hospitality industry.

HMT 223. PRACTICUM IN LODGING MANAGEMENT 3 credit hours

To permit students who have accumulated at least 30 hours in the Foods and Hospitality Department the opportunity to earn 3 credit hours while working under supervised conditions in a hotel or country club. A minimum of 300 hours of work is required.

HMT 230. HOSPITALITY LAW 4 credit hours

Contract Law as a foundation for anticipating legal difficulties and making the best use of legal advice. Functional hotel problems, policy problems, and the legal resolution of a controversy. The origin and development of common statutory and constitutional law and of the functioning of the judicial system.

HUMANITIES (HUM 22)

HUM 101. INTRODUCTION TO HUMANITIES 3 credit hours

Exploration of the humanities considering the creative nature of man with its focus on art, literature, music, philosophy, human thought and man's relationship to his culture.

HUM 150. INTERNATIONAL CINEMA 3 credit hours

A survey of important foreign films and film makers. Emphasizes development of the art of seeing, the heightening of the student's appreciation of the nature of the film medium.

INDUSTRIAL DRAFTING AND DESIGN (ID 63)

ID 100. TECHNICAL DRAWING 4 credit hours

An introduction to the graphic language, use of drafting materials and instruments. Drawings will include geometry of technical drawing, orthographic views, auxiliary views, section views, pictorial drawings and developments, electrical block diagrams, logic diagrams and schematics. (6 hours per week)

ID 105. PICTORIAL DRAWING 2 credit hours

Prerequisite: ID 100 Technical Drawing or equivalent

Development of perspective and isometric drawings suitable for engineering studies, parts catalogs, and assembly and service manuals. Emphasis is placed on rapid methods of drawing development using typical manufactured parts as subjects. (3 hours per week)

ID 107. MECHANISMS 4 credit hours

Prerequisite: MTH 152 Applied Geometry and Trigonometry or equivalent

Principles of gears, cams, pulley's and other mechanical means to transmit motion and energy. Included are graphic and mathematical techniques to solve force, displacement and motion application problems. (4 hours per week)

ID 111. INDUSTRIAL DRAFTING I 4 credit hours

Prerequisite: ID 100 Technical Drawing or 2 years of high school drafting
Standard drafting practices and procedures in the areas of material speci-

fications, drawing numbering systems, preparation of tabulated drawings, auxiliary views, sectioning, screw threads and fasteners. Dimensioning, tolerancing and the use of drafting materials for the preparation of assembly drawings, detail drawings and parts lists are included. (6 hours per week)

ID 112. DESCRIPTIVE GEOMETRY 4 credit hours

Prerequisite: ID 100 Technical Drawing or consent

Points, lines and planes and their relationships in space. Emphasis on practical application of principles to actual problems in industry. (6 hours per week)

ID 212. THEORY OF DIES 2 credit hours

Prerequisite: Apprentice in Tool and Die Making or ID 111 Industrial Drafting

The nomenclature and the basic types, principles and standards used in the design of dies is studied. Special attention is given to the use of standard parts catalogs and the standard die detailing and assembly drawing practices. (3 hours per week)

ID 216. INTRODUCTION TO COMPUTER AIDED DESIGN 2 credit hours

Prerequisites: ID 100 Industrial Drafting

The principles and applications of computer-aided drafting systems, familiarity with the hardware components of the CAD system. Use of the interactive graphic software, development of input and output skills, and familiarity with software, languages and systems hierarchy. (3 hours per week)

ID 217. INTRODUCTION TO 3-D CAD 2 credit hours

Prerequisites: ID 112, Descriptive Geometry and ID 216 Intro to Computer Aided Drafting

A continuation of ID 216 which introduces the use of three axes to create drawings. Included also are the drafting of auxiliary views, schematics, and PC layouts. (4 hours per week)

ID 218. INTERACTIVE COMPUTER AIDED DRAFTING 2 credit hours

Prerequisite: ID 217 Intro to 3-D CAD or consent

A self-paced introduction to interactive systems that require operator initiated commands with minimum system prompts. Use of two screen, color, and programmable menus are included. (2 hours per week)

ID 219. 2-D CAD PLANNING AND DRAWING 3 credit hours

Prerequisite: ID 217 Introduction to 3-D CAD or equivalent

An introduction to the operation of a large CAD/D system. Emphasis is on the start up, input, and output skills as applied to typical 2-D drawings. Planning and flow processes are stressed. (6 hours per week)

ID 251. FUNDAMENTALS OF ELECTRONIC DRAFTING 2 credit hours

Prerequisite: ID 100 Technical Drawing or consent

Principles and practices of basic electronic drafting encompass the layout of block diagrams, identification and layout of logic diagrams, identification of electronic components and associated symbols, and layout of electrical schematic drawings. (3 hours per week)

INTEGRATED MANUFACTURING (IM 36)

IM 121. ROBOTICS I 3 credit hours

An introductory exposure to robotic components, capability and application. The sociological impact of robots in the work place and economy will be reviewed.

IM 223. ROBOTICS III 4 credit hours

Prerequisite: Robotics I and II

The method of diagnosing problems relating to robotic functions and manipulators will be presented. Emphasis will be placed on servo-systems related to hydraulics. Air logic circuits will be designed and assembled. Special emphasis will be placed on programmable controllers and numerical control.

INTERNSHIP-EXTERNSHIP (IE 44)

IE 200. INTERNSHIP-EXTERNSHIP 2-6 credit hours

To be assigned prior to registration

Prerequisite: Consent of I-E Coordinator

Internships are for the purpose of acquiring work experience in the student's business-related occupational program area. Students are expected to work between 15 and 20 hours per week and attend a one-hour weekly seminar. Students in a two-year program must have completed a minimum of one year of their program before becoming eligible for Internship-Externship. Opportunities may be available on or off campus; however, there is no guarantee of placement. Normally students earn three credits each for I-E in Fall and Winter semesters and two credits each for Spring and Summer terms. A maximum of 12 credit hours may be applied toward the Associate Degree, and 6 credit hours toward a one-year Certificate of Achievement. Externships are programs of study designed for full time employees for occupational upgrading purposes and are integrated with their job activities. Students planning to enroll for Internship-Externship credit should first review their plans with their program advisor and with the Internship-Externship Coordinator to ensure proper program planning and to secure the appropriate permission.

MANAGEMENT AND MARKETING (MGT 47)

MGT 150. LABOR-MANAGEMENT RELATIONS 3 credit hours

Fundamental forces affecting the labor-management relationship. Development of insights into the growth, objectives and methods of organized labor and the significant managerial problems involved in dealing with labor. Analysis of the legal and institutional framework for collective bargaining; the nature, content, and problem areas of the collective bargaining process.

MGT 160. PRINCIPLES OF SALES 3 credit hours

Prerequisite: BUS 140

Principles and concepts of the sales function in modern business-industrial enterprise in the marketing of goods and services. Analysis of sales techniques, the sales "cycle," sales demonstrations, as well as personal career salesmanship. Emphasis on creativity in selling, and the impact of socio-economic and psychological factors related to consumer needs, motivations and product performance as they affect the sale of consumer and/or industrial goods and services.

MGT 200. HUMAN RELATIONS IN BUSINESS AND INDUSTRY 3 credit hours

Prerequisite: BUS 140

Modern concepts of administrative principles and practices with emphasis on the human relations aspect of management responsibility as it affects employee attitudes, morale and productivity. Major emphasis on relationships among individuals and/or small groups, with problem-oriented sessions used to realistically relate the course materials to the human relations aspect of modern business-industrial enterprise.

MGT 208. PRINCIPLES OF MANAGEMENT 3 credit hours

An introduction to the concepts and theories of management. Emphasis is on the functions of management — planning, organizing, staffing, directing, and controlling, including motivation, decision-making and communication. This course is also taught as a television course using the program series "The Business of Management."

MGT 209. SMALL BUSINESS MANAGEMENT 3 credit hours

For persons interested in starting a small business. This course will enable a student to learn to translate a business ownership dream into reality. Students will prepare a business plan for their chosen, future business. Required for the Photographic Technician program and a recommended elective for the Auto Body Specialist, Electronics Service, and Food Service programs.

MGT 211. SMALL BUSINESS MANAGEMENT FOR WOMEN 4 credit hours

A combination of MGT 209 Small Business Management and WS 102, Growth Experiences for Women. Developed in conjunction with AAWCJC specifically for women considering entrepreneurship.

MGT 215. SMALL BUSINESS MANAGEMENT 3 credit hours

For persons expecting to be employed or already employed in a high technology or other smaller business. This course focuses on the management of small business, the small business environment, small business administrative and fiscal control, and small business marketing and operations. Recommended for students in programs such as Numerical Control, Computer Information Systems, Robotics, Telecommunications, and Computer Aided Drafting.

MGT 220. WOMEN IN MANAGEMENT 3 credit hours

A course designed to help women develop management skills that establish competence, to examine how self-concept affects management style, and to assist in effecting behavioral changes to more effectively function as a manager. Topics covered include: problem solving and decision-making, planning for results, effective communication, motivation, and team building.

MGT 230. SUPERVISORY MANAGEMENT 3 credit hours

Focuses on the application of the principles of management. Emphasis is on the managerial process, examining the functions of planning, organizing, staffing, directing, and controlling, and their relationship to the job of a supervisor. Helps potential or practicing supervisors gain a broader perspective of their role in the organizational structure, enabling them to contribute more effectively to the goals of the organization.

MGT 240. PERSONNEL MANAGEMENT 3 credit hours

Prerequisite: BUS 140 and MGT 208

An exposition of the fields of activity covered in modern personnel work. Covers employment techniques, wages and hours, job evaluation, training, employer ratings, collective bargaining, employment counseling, and collateral benefits such as pensions and fringe benefits.

MGT 250. PRINCIPLES OF MARKETING 3 credit hours

The institutions and functions developed for carrying on commercial trade operations, retail and wholesale agencies, elements of marketing efficiency, the cost of marketing, price maintenance, unfair competition and the relationship of government to marketing.

MATHEMATICS (MTH 30)

MTH 036. MATH ANXIETY 1 credit hour

This course is designed for students who find themselves excluded from certain career choices because they are afraid to take math classes. Fear of mathematics is combated through the analysis of anxiety and the development of problem-solving skills. The origin of "math anxiety" is explored and help given to reduce such anxiety and change attitudes toward mathematics. Grading uses the satisfactory/unsatisfactory system.

MTH 038. BUILDING MATH CONFIDENCE 1 credit hour

This course is designed to increase confidence levels in math-anxious people by providing instruction in problem solving techniques. Topics covered include: calculator skills, study problem techniques, graphing, logic, and spatial relationships. Grading uses the satisfactory/unsatisfactory system.

MTH 039. BASIC MATHEMATICS 3 credit hours

This course is a review of the basic arithmetic operations common in everyday situations. Topics covered include: whole numbers, fractions, decimals, and percents. This course is currently offered only in the self-paced format. Grading uses the satisfactory/unsatisfactory system.

MTH 090. OCCUPATIONAL MATHEMATICS 3 credit hours

Prerequisite: MTH 039 or placement test equivalent

This course provides the computational skills needed to solve problems commonly encountered in various general occupational fields. Students with an interest in business should consider MTH 163, Business Mathematics. Students with an interest in health fields should consider MTH 165, Health Science Mathematics. Topics covered include: sets, practical algebra, geometry, measurement, the metric system, ratio and proportion problems, graphs, and statistics. This course currently offered only in the self-paced format.

MTH 097. INTRODUCTORY ALGEBRA 4 credit hours

Prerequisite: MTH 039 or placement test equivalent

This course is first-year high school algebra. Topics include: the real number system, algebraic operations, solving equations, practical applications, inequalities, graphing, systems of equations, polynomials, rational expressions, roots and radicals, and quadratic equations. This course is offered in standard lecture format. The content of this course is offered in the self-paced format as MTH 097A and MTH 097B.

MTH 097A. INTRODUCTORY ALGEBRA

(first half) 3 credit hours

Prerequisite: MTH 039 or placement test equivalent

This course is the first semester of first-year high school algebra. Topics include: the rational number system, algebraic operations, solving equations, ratio and proportion, and practical applications. This course is the first half of MTH 097, and is currently offered only in the self-paced format.

MTH 097B. INTRODUCTORY ALGEBRA

(second half) 3 credit hours

Prerequisite: MTH 097A or placement test equivalent

This course is the second semester of first-year high school algebra. Topics include: inequalities, graphing, systems of equations, polynomials, rational expressions, roots and radicals, the real number system, and quadratic equations. This course is the second half of MTH 097, and is currently offered only in the self-paced format.

MTH 114. COMPUTER ASSISTANCE FOR STUDENTS WITH SPECIAL NEEDS

..... 1-6 credit hours

Prerequisite: Permission of instructor

This course provides assistance to students with special needs, especially those wishing to strengthen particular areas or handicapped students, using microcomputers and terminals. The course is project-oriented with activities centered primarily around mathematics classes. Typical projects would be: typing notes and homework assignments, word-processing, writing computer programs, solving mathematical problems, using Data Base Management systems.

MTH 151. APPLIED ALGEBRA

..... 4 credit hours

Prerequisite: MTH 039 or placement test equivalent

This course introduces algebraic and geometric concepts in an applied setting and is primarily for trade and technical students. Topics, which emphasize applications, include: percents, ratio and proportion, operating with algebraic expressions, formulas and equations, area, volume, and right triangle trigonometry.

MTH 152. APPLIED GEOMETRY AND TRIGONOMETRY

..... 4 credit hours

Prerequisite: MTH 097 or MTH 151

This course provides students with the geometric and trigonometric concepts needed to solve problems commonly encountered in technical and trade fields. Topics, which emphasize applications, include: basic theorems of geometry, formulas for areas and volumes, trigonometric functions, solution of right triangles, law of sines and law of cosines, and the solution of oblique triangles.

MTH 150. BASIC STATISTICS

..... 4 credit hours

Prerequisite: MTH 097

This course provides students with a general understanding of statistical concepts dealing with the processing and interpretation of numerical information. Topics covered include: describing a numerical data set, central tendency, variability, probability distributions, inference, and hypothesis testing. This course transfers to many four-year institutions.

MTH 163. BUSINESS MATHEMATICS

..... 3 credit hours

Prerequisite: MTH 039 or placement test equivalent

This course provides the mathematical skills needed to solve business applications problems, and satisfies the requirements of several one- and two-year business programs. The topics, which emphasize business applications, include: operations with whole numbers, fractions, decimals, and percents; measurement; the metric system; signed numbers; solving equations; ratio and proportion; circle, bar, and line graphs; savings and loans; taxes and payroll; and an introduction to statistics. This course is currently offered only in the self-paced format.

MTH 165. HEALTH SCIENCE MATHEMATICS

..... 3 credit hours

Prerequisite: MTH 039 or placement test equivalent

This course provides the necessary mathematical skills needed to solve problems encountered in health-related fields, and satisfies the requirements of several one- and two-year occupational programs. The topics, which emphasize health science applications, include: basic mathematics; operations with percents; geometry; the metric system; the apothecary and household systems; signed numbers; solving equations; ratio and proportion; instrumentation; circle, bar, and line graphs; an introduction to statistics; and exponents and logarithms. This course is currently offered only in the self-paced format.

MTH 169. INTERMEDIATE ALGEBRA

..... 4 credit hours

Prerequisite: MTH 097 or placement test equivalent

This course is second-year high school algebra. Topics include: the real number system, polynomials, linear equations, inequalities, absolute value, exponents, complex numbers, quadratic equations and inequalities, linear and quadratic functions, inverse functions, and linear and non-linear systems of equations and inequalities. The content of this course is offered in the self-paced format as MTH 169A and MTH 169B. This course transfers to some four-year institutions.

MTH 169A. INTERMEDIATE ALGEBRA

(first half) 3 credit hours

Prerequisite: MTH 097 or placement test equivalent

This course is the third semester of high school algebra. Topics include: the real number system, polynomials, linear equations, inequalities, absolute value, radicals, and exponents. This course is the first half of MTH 169, and is currently offered only in the self-paced format. The combination of MTH 169A and MTH 169B transfers to some four-year institutions as MTH 169.

MTH 169B. INTERMEDIATE ALGEBRA

(second half) 3 credit hours

Prerequisite: MTH 169A or placement test equivalent

This course is the fourth semester of high school algebra. Topics include: rational exponents, complex numbers, quadratic equalities and inequalities, linear and quadratic functions, inverse functions, lines and linear systems, non-linear systems, and systems of inequalities. This course is the second half of MTH 169, and is currently offered only in the self-paced format. The combination of MTH 169A and MTH 169B transfer to some four-year institutions as MTH 169.

MTH 177. TRIANGLE TRIGONOMETRY

..... 3 credit hours

Prerequisite: MTH 097 or placement test equivalent

This course is an introduction to the trigonometric concepts of the triangle. Topics covered include: triangles and the basic trigonometric ratios, solving right triangles, law of sines, law of cosines, trigonometric ratios of any angle, degrees and radians, and vectors. This course is currently offered only in the self-paced format. This course transfers to some four-year institutions.

MTH 178. GENERAL TRIGONOMETRY

..... 3 credit hours

Prerequisite: MTH 169 or placement test equivalent (MTH 179 and MTH 180 may be taken concurrently. It is recommended that MTH 179 be taken first if the two are not taken concurrently.)

This course provides a rigorous background in trigonometry necessary for students intending to study calculus. Topics include: circular functions, graphs, inverse circular functions, trigonometric functions, solution of triangles, identities, vectors, complex numbers, and polar coordinates. This course transfers to many four-year institutions.

MTH 179. PRECALCULUS

..... 4 credit hours

Prerequisite: MTH 169 or placement test equivalent

This course provides the necessary background in college-level algebra for calculus. Topics include: set theory and set operations, relations, and functions, manipulations of rational and non-rational functions, graphing, factoring, properties of exponents and logarithms, and the conic sections. This course is currently offered only in the standard lecture format. The content of this course is occasionally offered in the self-paced format as MTH 179A and MTH 179B. Precalculus transfers to most four-year institutions.

MTH 181. MATHEMATICAL ANALYSIS I 4 credit hours

Prerequisite: MTH 169 or placement test equivalent

This course teaches the methods and applications of finite mathematics to social science and business. Topics covered include: solution to linear equations and inequalities, vectors and matrices, linear programming, sets, and probability. This course transfers to many four-year institutions.

MTH 182. MATHEMATICAL ANALYSIS II 4 credit hours

Prerequisite: MTH 179 or 181

This course teaches the elementary methods of calculus applied to social science and business. Topics covered include: functions, differentiation of algebraic functions, optimization, exponential and logarithmic functions and their derivatives, and an introduction to integration. This course transfers to many four-year institutions.

MTH 191. CALCULUS I 5 credit hours

Prerequisite: MTH 178 and MTH 179

This is first-semester college calculus of one variable. Topics include: limits, continuity, derivatives, applications of derivatives, and elementary integration. This course transfers to four-year institutions.

MTH 192. CALCULUS II 4 credit hours

Prerequisite: MTH 191

This is second-semester college calculus of one variable. Topics include: application of the integral, the calculus of transcendental functions, techniques of integration, indeterminate forms and improper integrals, numerical approximation techniques, and sequences and series. This course transfers to four-year institutions.

MTH 197. LINEAR ALGEBRA 4 credit hours

Prerequisite: MTH 191. MTH 192 also encouraged

This is an introductory college course in linear algebra. Topics include: linear systems of equations, properties of vectors and matrices, determinants, vector spaces, linear transformations, eigenvalues, and applications. This course transfers to four-year institutions.

MTH 293. CALCULUS III 4 credit hours

Prerequisite: MTH 192 and MTH 197

This is the third-semester college calculus of more than one variable. Topics include: polar coordinates, geometry in n-space, vector-valued functions, the derivative in n-space, the integral in n-space, and an introduction to vector calculus. This course transfers to four-year institutions.

MTH 295. DIFFERENTIAL EQUATIONS 4 credit hours

Prerequisite: MTH 197 and MTH 293

This is a first college course in elementary differential equations. Topics include: techniques for solving ordinary differential equations of order one, techniques for solving linear equations, applications, the Laplace transform, and solving linear systems of equations using eigenvalues. This course transfers to four-year institutions.

MECHANICAL TECHNOLOGY (MT 68)

MT 100. MACHINE SHOP THEORY 3 credit hours

Precision and semi-precision instruments and their applications; and use of basic principles of machine tool operations. Films supplement the laboratory experiences.

MT 101. MILLWRIGHT THEORY 2 credit hours

Millwright practices encompassing major units such as millwright fundamentals, fiber and steel rope, hoisting, structural woods and steels, scaffolding, strengths of timber and metal beams, cranes and derricks, rigging, transporting heavy shop equipment, accident prevention, standards, laws and codes. Maintenance of bearings, belts, chain drives and conveyors included.

MT 103. INTRODUCTION TO MATERIALS 3 credit hours

Introduction to the basic terms, processes and structures of materials. Hardness testing, classification systems and demonstrations of testing equipment. Principles of heat treatments are studied and demonstrated. (3 contacts per week)

MT 111. MACHINE SHOP THEORY AND PRACTICES 4 credit hours

Precision and semi-precision instruments and their applications; basic principles of machine tool operation. Selected films used to supplement the laboratory experiences. Practical experience provided on the lathe, mill, shaper, drill press and surface grinder.

MT 122. MACHINE TOOL OPERATIONS AND SET-UP I 4 credit hours

Prerequisite: MT 111 or consent of the instructor

Students continue study of advanced lathe, mill, surface grinding and measurement techniques. In addition, I.D.O.D. grinding, carbide tooling, turret lathe, optical comparator are presented. Students experience demonstrations, discussion and laboratory experience. (6 hours per week)

MT 123. MACHINE TOOL OPERATIONS AND SET-UP II 4 credit hours

A continuation of Mechanical Technology 122. Emphasis placed on the student's individual goals and proficiencies of specific machining operations. Student will choose a challenging product to manufacture using several advanced machining techniques to meet goals set by student. Gear cutting, I.D. grinding, EOM are emphasized. (6 hours per week)

MT 201. MACHINE TOOL TECHNOLOGY 4 credit hours

Prerequisite: MT 122

Advanced methods of setting up and operating common machine tools. Typical industrial applications to demonstrate measuring instruments, gauges, thread cutting, gear cutting, speeds and feeds, tolerances, tool grinding and indexing. (6 hours per week)

MUSIC (MUS 20)

MUS 102. STRING ENSEMBLE 2 credit hours

A course in performance open to all students and public upon registration for class. May be repeated for credit up to a maximum of four times. (2 hours per week)

MUS 103. WCC JAZZ ORCHESTRA 1 credit hour

A course in performance open to those who desire to read, improvise and perform. Audition necessary for registration. May be repeated for credit up to a maximum of four times. (2 hours per week)

MUS 106. JAZZ COMBO 1 credit hour

Designed for the musician with some degree of competency to gain experience and skill in performance and improvisation of different styles of jazz and blues. The group is a performing one and offers concerts in the community.

MUS 136. GOSPEL CHORUS 1 credit hour

A course in gospel choral performance open to all students. This course can be repeated up to a maximum of six times.

MUS 140. BASIC MUSICIANSHIP 3 credit hours

Designed to give students, prospective teachers and others a foundation in music theory and reading, concepts of rhythm, tonality, music composition, and other techniques, with aim of developing musical skills and understanding. No musical experience necessary.

MUS 143. COMPOSITION: THEORY AND ARRANGEMENT 2 credit hours

Designed to enable students to develop skills and techniques in music composition, orchestration and arranging for all musical mediums.

MUS 146. CREATIVE IMPROVISATION: SONGWRITING 3 credit hours

For the prospective song writer, deals with lyric writing and musical accompaniment. Students collaborate using their talents to produce songs and also become acquainted with musical styles through recordings and demonstrations, and the music industry and its procedures concerning how to get a song published and recorded. Other areas of study include recording, the recording-studio, record pressing and copyright procedures.

MUS 147. ENTERTAINMENT LAW 2 credit hours

A music course for the serious music student and professional musician covering basic agreements, contracts, royalties, copyrights and other legal aspects in the music industry.

MUS 149. SIGHT SINGING/EAR TRAINING 2 credit hours

An approach to listening to and reading music designed to develop composing and listening skills. An introduction in training the ear to identify intervals, chords, scales and chord progressions.

MUS 152. MUSIC THEORY I 3 credit hours

An in-depth study of melodic, harmonic and rhythmic aspects of tonal music related to various styles: European, rock, jazz, ballads and the Blues. Aimed to equip the student with a theoretical knowledge to extend and cultivate musical understanding and creativity while giving primary emphasis to the harmonic aspects of music.

MUS 157. JAZZ IMPROVISATION 2 credit hours

A course in jazz theory that provides the student with techniques of melody, harmony and rhythm that would excite spontaneous creativity in the jazz style.

MUS 170. AUDIO RECORDING TECHNOLOGY 3 credit hours

Designed to provide the student with the fundamentals necessary for a career-oriented study in creative audio recording. Audio-visual presentations of professional studio recordings and lectures on automated recording.

MUS 180. MUSIC APPRECIATION 3 credit hours

An introduction to music, using innovative techniques on how to listen to music after becoming acquainted with the socio-cultural values of the people who produced the many kinds of music in our world. All styles of music covered. Presentations deal with the growth and development of musical forms and different styles through recordings and demonstrations.

MUS 183. MUSIC OF THE AFRICAN-AMERICAN CULTURE (AFROMUSICOLOGY) 3 credit hours

An ethnomusicology approach to African-American music aimed to combine the resources of history, anthropology, psychology and musicology to examine the music and its meaning within Black cultures. Deals with the socio-cultural aspects of the Black man's life style, traditions and mores as the motivation for Black expression in the arts.

MUS 204. VOICE 2 credit hours

Vocal techniques in depth. An extension of Introduction to Voice.

MUS 206. VOCAL PERFORMANCE 1 credit hour

Learn techniques in performing songs. Opportunities to work with musicians, sound equipment and with groups.

MUS 210. FUNCTIONAL PIANO 2 credit hours

A piano class aimed to give non-piano majors and those who just want to play the piano the ability to read keyboard music harmonically and melodically. The course covers fundamentals of piano technique, basic musicianship, elementary keyboard harmony, sight reading, pedal technique, aids to memorization and keyboard application of subjects studied in music classes.

MUS 213. INTERMEDIATE PIANO 2 credit hours

A continuation of Music 210, this course provides piano studies beyond the elementary or beginning stage. For those with some experience in piano playing.

MUS 216. PIANO: JAZZ AND BLUES 2 credit hours

A piano course designed to cover such styles as Blues and elementary jazz improvisation techniques. Music theory in terms of chord progression and improvisational techniques will be part of the course of study.

MUS 225. BEGINNING JAZZ DRUM 2 credit hours

Rudimentary skills in jazz drumming. Includes study of historical styles such as Swing, Be-Bop, and South American and African rhythms. For the experienced drummer.

MUS 233. BEGINNING GUITAR 2 credit hours

Designed for those with limited or no experience playing the guitar. Basic chords and techniques as well as folk and Blues songs. Class keyed to interests and needs of students.

MUS 238. INTERMEDIATE GUITAR 2 credit hours

For the student with a basic knowledge of guitar playing. There will be opportunity to learn more difficult techniques as well as learning about song arrangements and some theory. Class will be keyed to interests and needs of students.

MUS 239. JAZZ GUITAR 2 credit hours

Designed to enable students to develop skills necessary to play the guitar in different jazz styles. Includes improvisation work and chording. Requires basic guitar playing experience.

MUS 242. BASS GUITAR 2 credit hours

A course in applied music (bass) designed specifically for jazz enthusiasts who want to learn techniques of jazz bass performance. Melodic, harmonic and rhythmic theory will be used to develop styles of jazz bass performance. You must have your own instrument.

MUS 249. INTRODUCTION TO JAZZ FLUTE 2 credit hours

An introductory course in jazz flute for students of varying ability.

MUS 250. BEGINNING FLUTE/SAX 2 credit hours

A beginning flute class to familiarize students with primary musical jargon and the basics of flute and sax playing. Basic flute playing will include sound production, reading musical notation, knowing flute and saxophone fingering, performance of basic major scales and a combination of reading and performance of simple tunes involving both classical and jazz music.

MUS 270. APPLIED VIOLIN 2 credit hours

A group instruction designed for community people who like to further their talents on the violin, learning more technical and musical skills to develop their abilities.

NUMERICAL CONTROL (NC 66)

NC 100. INTRODUCTION TO NUMERICAL CONTROL 3 credit hours

The principles, history and applications of numerical control with special emphasis on tape formats and programming techniques. Point to point and continuous path programs written, studied and demonstrated. (3 hours per week)

NC 111. MANUFACTURING PROCESSES FOR NUMERICAL CONTROL 4 credit hours

Prerequisite: NC 121

Industrial techniques and processes used for product manufacture are studied. Planning of machining operations and routing of parts through all stations needed to complete the part are examined. Cost estimating, specialized tooling, fixturing, speeds and feeds, and unconventional machining methods are major topics explored. Effects of flexible manufacturing and the future trends of industry are discussed. (4 hours per week)

NC 121. PROGRAMMING AND NC TOOL OPERATION 3 credit hours

Prerequisite: NC 100, MTH 151

The first in a two-course study of manual programming of CNC milling and turning machines. Student experience the entire process of part manufacture by processing blueprints of sample parts, writing and editing of programs, set up and operation of the machine tool, inspection of finished product. Feeds and speeds, "fixed cycles," program editing, set up procedures and tape preparation are major topics presented. Laboratory time is required outside of class time.

NC 122. ADVANCED MANUAL PROGRAMMING AND NC TOOL OPERATION 3 credit hours

Prerequisite: NC 121, MTH 152

The second of a two-course study of Manual Programming and CNC Machine Tool Operation. Complex cutter path generation, cutter com-

pensation, repetitive programming, multi-quadrant circular interpolation, three axis interpolation, threading, and other advanced programming techniques are practiced. The class format is similar to that of NC 121, and laboratory time outside of class is required.

NC 224. APT III COMPUTER PROGRAMMING 4 credit hours

Prerequisite: NC 121, NC 122, not concurrent with NC 213

The APT III computer assist language is studied on an "in house" system. Geometry, cutter path, post processor statements are studied and practiced. Program verification is completed by the use of plotters, and NC tool operation. (4 hours per week)

NC 225. NUMERICAL CONTROL GRAPHICS 3 credit hours

Prerequisite: NC 213, NC 224

Students will complete working programs using COMPACT II and APT III computer assist NC languages for turning, drilling, and milling applications. Programs and tape verification is completed by the use of plotters, graphic screens and the NC machine tools located in the NC laboratory. Complex part geometry and cutter paths are studied. The connection between computer assist programming and actual machine setup and operation is stressed.

NURSING (NUR 57)

Enrollment for these courses is granted students admitted to this program. Courses must be taken in sequence outlined in the curriculum unless consent is obtained from the nursing division after review of previous transcripts.

NUR 039. STATE BOARD PREPARATION 1 credit hour

Prerequisite: Consent of faculty

Assists graduates of the Nursing Program to prepare for the State Board of Nursing Examination. Emphasis placed on reviewing learned materials and on taking national competitive examinations.

NUR 100. NURSING FUNDAMENTALS WITH LABORATORY 5 credit hours

Presents principles of nursing with emphasis on social, psychological, and physical needs of the patient. Includes units on first aid, geriatric nursing, nursing history and organizations.

NUR 110. NURSING CLINICAL EXPERIENCE 1 credit hour

Supervised clinical experience in a long term health care facility applying basic nursing skills in simple nursing situations.

NUR 111. PHARMACOLOGY I 1 credit hour

Study of metric and apothecary systems, drug classification and legislation. Provides for practice in solving drug dosage problems. Introduces principles of safe drug administration.

NUR 118. PERSONAL AND COMMUNITY HEALTH 1 credit hour

Presents concepts of personal health. Survey of resources available in the community for the promotion of health. Includes survey of current public health problems.

NUR 144. PHARMACOLOGY FOR NURSES 5 credit hours

Prerequisite: LPN, RN, GPN, GN, or consent of faculty

Designed for currently practicing nurses. Includes a study of safe drug administration, drug actions, uses and effects of drug therapy, as well as drug abuses. The student also receives laboratory practice in preparing and administering medicines. LPNs may take NAPNES challenge exam at end of course.

NUR 200. NURSING ROLE TRANSITION 4 credit hours

Prerequisite: Successful completion of all Nursing 100 level courses or LPN accepted into Level II of the program

Study of nursing history and development of associate degree nursing programs, nursing roles, change theory and individual reactions to change. Also included will be an introduction to general systems theory and advanced study of the nursing process. The laboratory components will include nursing skills review/update, CPR update and nursing assessment practice.

NUR 230. ADVANCED PARENT-CHILD NURSING PRACTICE 2 credit hours

Prerequisite: Successful completion of all Nursing 100 level courses or LPN accepted into Level II of the program, NUR 200. Corequisite: NUR 235

Application of parent-child nursing concepts developed in NUR 235 in hospital situations. Students will have experience with high and low-risk families across the childbearing cycle, including antepartum, intrapartum, and postpartum periods. Experience with the childbearing family will include opportunities for health teaching.

NUR 235. ADVANCED PARENT-CHILD NURSING 3 credit hours

Prerequisite: Successful completion of all Nursing 100 courses or LPN accepted into Level II of the program. All first semester Level II courses. Corequisite: NUR 230

Further study of the family with parent-child health related needs. Focus will be on emotional aspects of parenting, pregnancy, and health problems related to these processes. Family structure, function, and health teaching, including concepts of nutrition and normal growth and development, will be discussed.

NUR 240. COMPLEX MEDICAL-SURGICAL NURSING PRACTICE 3 credit hours

Corequisite: NUR 245

This course emphasizes the application of the nursing process in meeting the common bio-psycho-social needs of individual adult clients who are experiencing complex medical-surgical problems with predictable outcomes in an acute care setting.

NUR 245. COMPLEX MEDICAL-SURGICAL NURSING THEORY 3 credit hours

Prerequisite: Successful completion of all first semester Level II courses and Mental Health Nursing.

This course emphasizes the theoretical base of nursing care aimed at meeting the common bio-psycho-social needs of individual adult clients who are experiencing complex medical-surgical problems with predictable outcomes in an acute care setting. The course is designed around six concepts, with the nursing process being the integrating thread.

NUR 260. NURSING MANAGEMENT AND TRENDS 2 credit hours

Prerequisite: Successful completion of all first and second semester Level II courses. Corequisite: NUR 240

This course includes leadership and management concepts in relation to organizing care of groups of patients. Emphasis will be placed on communication, decision making and motivation as it relates to entry level nursing responsibilities. Legal aspects of supervision will be studied, as well as trends and current problems in the nursing profession. Clinical practice of management skills will be integrated into the Complex-Medical-Surgical Nursing Practice.

PHARMACY TECHNOLOGY (PHT 58)

PHT 198. PHARMACY FIELD EXPERIENCE 8 credit hours

Prerequisite: All first and second semester courses

Skills and knowledge acquired in the first two semesters of the program will be put into practice in both hospital and community settings. Students will spend 16 hours a week in a practice setting. All experience will be under the supervision of a registered pharmacist.

PHILOSOPHY (PHL 14)

PHL 101. INTRODUCTION TO PHILOSOPHY 3 credit hours

The general nature of philosophical thought, its basic methods, problems, goals. Includes representative philosophers and such classic philosophical problems as the meaning of existence, the nature of reality, criteria of morality and the nature of the human mind. Uses philosophical concepts to help understand oneself, other people and the world around us. Focuses on formulating and defending individual viewpoints and developing personal skills in abstract thinking.

PHL 189. STUDY PROBLEMS IN PHILOSOPHY 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Philosophy. These activities are individualized. A specific problem/issue is studied, or a special project is assigned. (Hours arranged)

PHL 250. LOGIC 3 credit hours

An introduction to the nature of logical reasoning, especially as found in examples of everyday thought. Studies the role of language in reasoning and communication, the influence of emotions on logical thinking and the nature of inductive as well as deductive reasoning. Emphasizes developing habits of good reasoning, as well as the ability to recognize and avoid bad reasoning.

PHOTOGRAPHY (PHO 72)

PHO 090. GENERAL PHOTOGRAPHY 2 credit hours

A course for individuals who have an interest in photography. Primary emphasis is on picture taking, composition, lighting, films, etc. No dark-room work is included in the course. Students should own or have the use of some type of camera.

PHO 101. PHOTOGRAPHY AND ENVIRONMENT 3 credit hours

A study of the methods of documenting various types of environments with the camera. This will include the recording of current environmental situations as well as presenting suggestions for improving undesirable conditions. Students must have their own 35mm or roll film camera and previous photo experience.

PHO 103. HISTORY OF PHOTOGRAPHY 2 credit hours

Designed to introduce students to the history of photography, with the development of the important processes for making photographs and with the philosophy of the most significant photographers of the 19th and 20th centuries.

PHO 111. PHOTOGRAPHY 4 credit hours

Principles, practices, basic application and limitations of photography as a communication form used in business and industry. Assigned field practices in the use of the small format camera, composing, lighting, exposure and photo darkroom processing. (6 hours per week)

PHO 114. BASIC COLOR PHOTOGRAPHY 3 credit hours

Prerequisite: PHO 111

An introduction to the various color photography processes in common use today. Emphasis placed on the production of color transparencies, color negatives and color prints and off-easel color print correction techniques. (4 hours per week)

PHO 115. PHOTO RETOUCHING 2 credit hours

Prerequisite: PHO 111

Manual spotting techniques and associated materials as applied to the retouching and processing of photographic prints and negatives. (3 hours per week)

PHO 201. INTRODUCTION TO FASHION PHOTOGRAPHY 2 credit hours

Prerequisite: PHO 112

The student will learn through lecture, shooting sessions, critique and lab practice, the basic techniques of black and white fashion photography. Lighting, posing, model selection, printing fashion, and basic business practices will be studied. (3 hours per week)

PHO 220. ADVANCED STUDIO TECHNIQUES 3 credit hours

Prerequisite: PHO 112

A detailed study of the various types of cameras and their uses. Roll and sheet film cameras emphasized as well as the more unusual applications of the medium format camera. (4 hours per week)

PHO 221. ADVANCED DARKROOM TECHNIQUES ... 3 credit hours

Prerequisite: PHO 113

Specialized instruction in the problems faced by the darkroom technician. How to produce acceptable results under difficult situations the major emphasis. (6 hours per week)

PHO 222. ADVANCED COLOR PHOTOGRAPHY 3 credit hours

Prerequisite: PHO 114

A continuation of the studies begun in ~~PHO 114~~ Color Photography 114. Emphasis placed on color correction from unusual situations and color distortion to achieve special effects and experience in automated color production techniques and equipment. (6 hours per week)

PHO 223. PHOTOGRAPHIC OCCUPATIONS 2 credit hours

Prerequisite: PHO 113

A survey of photographic occupations with guest lecturers, field trips and discussion. (3 hours per week)

PHO 230. SPECIALIZED STUDIES IN PHOTOGRAPHY 2-5 credit hours

Credits to be assigned prior to registration

Prerequisite: Advisor approval only

An opportunity for students to work independently with faculty consultation in major areas of photography.

PHYSICAL EDUCATION ACTIVITIES (PEA 29)

PEA 105. INDEPENDENT SPORTS 2 credit hours

Provides opportunities for the student to acquire skills which will be a source of healthful and recreational exercise. (2 hours per week)

PHYSICS (PHY 35)

OPEN PHYSICS LABORATORY

Physics courses numbered 105, 111, 122, 131, 141, and 142 operate under an open laboratory format. This means that the laboratory is open about twenty or more hours per week for students to use at their convenience. Laboratory equipment is set out at specified stations ready for use, and instructors are available. Computer software is used for simulation and data analysis.

PHY 105. INTRODUCTORY PHYSICS 4 credit hours

Prerequisite: MTH 090

Designed for both transfer and vocational students who have had no previous physics. Course surveys the major topics of physics: motion, heat, waves, electricity, magnetism, light, atomic energy. A conceptual approach with a minimum of mathematics is used to obtain a working knowledge of the principles of physics. This course will transfer as a general science or vocational credit. (3 hours lecture and 3 hours open laboratory per week)

PHY 110. APPLIED PHYSICS 4 credit hours

Prerequisite: MTH 090

An introductory course for technical-vocational students with no previous physics course. Course surveys the major topics in physics: matter and measurements; mechanics; electricity and magnetism; heat and light. Important ideas of physics presented through laboratory experiments, supplemented by lectures and films. Technical vocabulary translated to understandable English with everyday work applications of the basic ideas of physics and how they affect our life and work. (6 hours per week)

PHY 111. GENERAL PHYSICS I 4 credit hours

Prerequisite: MTH 169

Corequisite: MTH 177

For both pre-professional transfer students and liberal arts students. No previous physics necessary. Course surveys the topics of mechanics, heat and wave motion. Three hours of open laboratory each week enable students to learn the use of basic scientific instruments and the techniques used in the science laboratory. (3 hours lecture and 3 hours open laboratory per week)

PHY 131. PHYSICS FOR RESPIRATORY THERAPY .. 3 credit hours

Prerequisite: MTH 165

A one-semester course in basic physics, designed primarily for students in the respiratory therapy program. No previous knowledge of physics is assumed. Topics discussed are the use of energy in body processes,

mechanics of fluids, electrical devices used in the hospital and the effects of radiation on living matter. (2 hours discussion and 2 hours open laboratory per week)

PHY 141. RADIOLOGIC PHYSICS I 3 credit hours
Prerequisite: MTH 165

Physical principles underlying the operation of an X-ray machine discussed in lecture and illustrated in laboratory exercises. Basic concepts of mechanics, energy and electrical circuitry covered the first semester, to be followed by Physics 142. (2 hours discussion and 2 hours open laboratory per week)

PHY 211. ANALYTICAL PHYSICS I 5 credit hours
Prerequisite: MTH 191, H.S. Physics or PHY 105 or PHY 111

For students intending to major in science or engineering, and for those liberal arts students with calculus background. Uses calculus to develop concepts in mechanics, heat and wave motion. (4 hours lecture and 3 hours laboratory per week)

PHY 222. ANALYTICAL PHYSICS II 5 credit hours
Prerequisite: PHY 211

Continues to develop mathematical methods for understanding physical phenomena in the areas of electromagnetism, light and modern physics. (4 hours of lecture and 3 hours laboratory per week)

POLITICAL SCIENCE (PLS 05)

Political Science 108, 112, and 150 all meet the minimum requirements for the Associate Degree.

PLS 108. GOVERNMENT AND SOCIETY 3 credit hours

An introductory course on the American political system: executive, legislative, and judicial functions; processes and machinery of popular control (public opinion, media, interest groups, parties, and elections). Designed to help the student to more clearly define and express his or her own political ideas.

PLS 112. INTRODUCTION TO AMERICAN GOVERNMENT 3 credit hours

The forms and functions of American government with emphasis on national government. Decision-making process in the Congress, the Presidency and the federal court system studied. Relationship of political parties and public opinion to the electoral process.

PLS 150. STATE AND LOCAL GOVERNMENT AND POLITICS 3 credit hours

Forms and functions of state and local governments in the United States. Relationships of development of the urban community to the politics of metropolitan areas analyzed. Theories of studying community decision-making evaluated.

PLS 189. STUDY PROBLEMS IN POLITICAL SCIENCE 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Political Science. These activities are individualized. A specific problem/issue is studied, or a special project is assigned. (Hours arranged)

PSYCHOLOGY (PSY 08)

PSY 100. INTRODUCTORY PSYCHOLOGY 3 credit hours

An introduction to the scientific study and interpretation of human behavior surveying such topics as psychological development, learning, thinking, motivation, emotion, perception, intelligence, aptitudes and personality. Basic principles and their practical application discussed. This course also is taught as a television course using the program series "Understanding Human Behavior."

PSY 107. BLACK PSYCHOLOGY 3 credit hours

Psychological dynamics of the Black experience. An assessment of sociocultural factors that determine the Black psyche.

PSY 108. PSYCHOLOGY OF MID-LIFE CAREERS 2 credit hours

Finding your interests and aptitudes; life review and 300 job options; multiple career planning to meet present and future manpower needs; goals for mid-life and pre-retirement; life-time learning and creativity, group interaction, individual counseling.

PSY 114. LEARNING TO LEARN 3 credit hours

A course in applied psychology. Emphasis will be placed on learning styles and learning strategies. Students will be provided with a variety of techniques for analyzing their learning style. Next, they will be given information on learning strategies and practice in developing and using various strategies.

PSY 130. ALCOHOLISM: ITS EFFECTS, IMPACT AND TREATMENT 3 credit hours

The presentation of information concerning most aspects of alcoholism and how it affects the afflicted physically, socially, psychologically, vocationally, and spiritually. Also, its effect on the significant others in his/her life.

PSY 150. INDUSTRIAL PSYCHOLOGY 3 credit hours

Human relations in business and industry. Special attention given to occupational information, personnel selection, training and development and employee appraisal. A practical introduction to the psychological dimensions and implications of the modern working world.

PSY 170. HIGH TECHNOLOGY: IMPACT ON PERSONALITY 3 credit hours

This course will focus on some of the key technological developments of modern times and the changes they have caused in the social, economic and political structures of our society. Various technology will be isolated to evaluate the demand they have made on human adjustment. This course will make a psychological assessment of both positive and negative influences hi-tech has made on child development, family structures, workers, male/female relations, the aged, health care and redefinition of humanity.

PSY 189. STUDY PROBLEMS IN PSYCHOLOGY 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Psychology. These activities are individualized. A specific problem/issue is studied, or a special project is assigned. (Hours arranged)

PSY 200. CHILD PSYCHOLOGY 3 credit hours

Stresses the child as an individual, his or her original nature and temperament and position as part of the group. Introduction of social raw materials is considered. In addition, such topics as the conditioning and reconditioning of behavior patterns and the individuality and similarity of responses are developed.

PSY 201. THE BLACK CHILD 3 credit hours

This course focuses on the Black child as a human being and a member of a Black subculture of American society. A study of the common pattern of growth stages and developmental tasks that the Black child shares with Euro-American children is done. Also, study is done on unique historical and current patterns of oppression in the American color caste system and the challenge this presents to Black families and the broader society in building a positive self concept in the Black child.

PSY 209. PSYCHOLOGY OF ADJUSTMENT 3 credit hours

A study of the processes involved in the adjustment of the individual to the problems of everyday living. Emphasis given to the study of the development of techniques or adjustment to meet conflict situations in the social environment. Includes consideration of adjustment mechanisms of major societal institutions.

PSY 222. LOSSES AND GRIEVING 3 credit hours

"Losses and the therapeutic process of grieving" will examine people's reactions to unexpected losses. Losses due to death are treated as well as those perennial losses naturally accompanying everyday life and the growth process. Also examined are those kinds of grieving resulting from such common experiences as disillusionment, divorce, unemployment, role change, the empty nest, and the loss of material possessions. The class will focus on the way persons react to their own losses and the role of friends and professionals in helping complete the grieving process. Prob-

lems resulting from incompleting grieving and the nature of grief work will be considered in depth. The class blends theory with practice.

PSY 257. ABNORMAL PSYCHOLOGY 3 credit hours

A course dealing with the abnormalities of certain types of personalities, their origin, symptoms, developments and treatment, short of psychiatric competence. Main topics—simple maladjustment; disturbances of emotional nature, of perception, memory, judgment, thought, disorders of mobility, speech, etc.; early symptoms of schizophrenia.

QUALITY CONTROL (QC 70)

QC 101. PROCESS QUALITY CONTROL 3 credit hours

The concepts of variation and methods of measuring, evaluating and interpreting industrial data. An in-depth working knowledge of process control imparted through the use of capability analysis and statistical control charts. Industrial applications are presented and class participation is used extensively in workshops.

QC 224. QUALITY CONTROL PROBLEM SOLVING ... 3 credit hours

Prerequisite: QC 213 and knowledge of basic algebra

Provide the student with a synopsis of the material presented in the previous three (3) courses (Process, Acceptance Sampling and Statistical Methods). The material is developed with a minimal amount of mathematical jargon which often does more to confuse than clarify. Course work stresses how to perform specific studies or techniques and does not merely inform the student. Generally, provides a simplified procedure for applying the statistical tools which are most often used by the Q.C. practitioner.

QC 225. QUALITY CONTROL MANAGEMENT 3 credit hours

The total quality control concept in planning, organizing and implementing an effective system. Details of how to plan a quality system, set up the organizational structure, integrate the support activities, install controls, and measure the results are discussed. The work of quality information equipment engineering is outlined. The main jobs of quality control are defined in terms of design control, material control, product control and special studies such as GMP manual development and compliance.

RADIOGRAPHY (RAD 53)

Enrollment priority for these courses is granted students admitted to this program. Courses must be taken in sequence outlined in the curriculum unless consent is obtained from the Radiography division after review of previous transcripts.

RAD 110. CLINICAL EDUCATION 1 credit hour

Corequisite: RAD 112

Structured clinical experience, application of knowledge and skill in positioning the upper extremity, chest and abdomen; demonstrate knowledge concerning professional ethics, courtesy and empathy in handling patients, film processing and darkroom procedures. (16 hours per week, 7½ weeks)

RAD 111. FUNDAMENTALS OF RADIOGRAPHY 2 credit hours

Imaging is the key to the primary responsibility of a radiographer. The intent of this course is to describe the various imaging modalities so that application of principles to produce optimum diagnostic radiographic images will be understood. (4 hours per week, 7½ weeks)

RAD 112. RADIOGRAPHIC POSITIONING I 2 credit hours

Pertinent nomenclature for radiographic positioning, preliminary steps in radiography, operation of the radiographic control panel, processing the radiograph and positioning of the chest, abdomen and upper extremity. (3 hours per week)

RAD 113. RADIOGRAPHIC PROCESSING 2 credit hours

Covers the principles of processing to include discussion on darkroom design, radiographic film characteristics, processing chemistry, trouble shooting, maintenance, evaluation of radiographic films to determine diagnostic inadequacies resulting from artifacts and to correct or compensate for the cause. (4 hours per week, 7½ weeks)

RAD 215. RADIOGRAPHY OF THE SKULL 2 credit hours

A study of the anatomy and radiography of the skull designed so that the student can correlate the relationship of external landmarks and positioning lines to specific internal structures. Includes laboratory experience in skull positioning. (3 hours per week)

RAD 217. CLINICAL EDUCATION 3 credit hours

Corequisite: RAD 215

Structured clinical experience application of knowledge and skill in positioning the upper and lower extremities, chest, abdomen, trunk, spine, procedures requiring the use of a contrast medium, skull and demonstrate knowledge of the components and operational characteristics of the radiographic equipment used in skull radiography. (24 hours per week)

RAD 218. RADIATION BIOLOGY 2 credit hours

To acquaint the student with the effects of ionizing radiation on the cells which form human tissue. (4 hours per week, 7½ weeks)

RAD 219. RADIATION PROTECTION 2 credit hours

Covers the interaction of radiation with matter and the effect of exposure factors on radiation dose, biological effects, unit of measurement, maximum permissible dose and exposure monitoring. (4 hours per week, 7½ weeks)

READING (RDG 25)

READING CENTER

The Reading Center (SC 301) is available to improve the student's reading and learning skills. Students enrolled in reading classes are encouraged to use the facility regularly during the semester. Those not enrolled in reading classes may be referred for individual help.

RDG 040. READING 3 credit hours

To provide the remedial reader with basic reading skills. A program of instruction individually designed for each student based on his or her diagnostic reading test and a personal interview. Students enrolled in this course must satisfactorily complete the work before enrolling in a higher level reading course.

RDG 100. VOCABULARY AND SPELLING POWER ... 2 credit hours

Designed for the student interested in strengthening spelling skills and expanding vocabulary. Emphasis placed on meeting the individual student's needs. Not a remedial course; students in need of basic spelling and/or vocabulary skills should elect Reading 040. Class meets for half a regular semester. (3 hours per week)

RDG 103. STUDY SKILLS 3 credit hours

Prerequisite: high school reading ability

Designed for the student interested in improving study and note taking skills. Reading and note taking techniques appropriate to specific course materials stressed. Essential for a student electing this course to be enrolled also in English, Humanities, Social or Exact Science course to which the student shall apply his or her newly learned study skills.

RDG 104. STUDY SKILLS 2 credit hours

Prerequisite: High school reading ability

Designed for the student interested in improving study and note taking skills. Reading and note taking techniques appropriate to academic materials stressed. Class meets for half a regular semester. Essential for a student electing this course to be enrolled also in a English, Humanities, Social or Exact Science course to which the student shall apply his or her newly learned study skills. (3 hours per week)

RDG 105. VOCABULARY AND SPELLING POWER ... 3 credit hours

Designed for the student interested in strengthening skills and expanding vocabulary. Emphasis placed on meeting the individual student's needs. Not a remedial course; students in need of basic spelling and/or vocabulary skills should elect Reading 040.

RDG 106. SPEED READING 2 credit hours

Prerequisite: High school reading ability

Designed for the student interested in becoming a more flexible reader.

The student will learn techniques to vary reading speeds and techniques appropriate to material and purposes. Class meets for half a regular semester.

RDG 107. SPEED READING 3 credit hours
Prerequisite: high school reading ability

Designed for the competent student interested in becoming a faster and more flexible reader. The student will learn techniques to vary reading speeds appropriate to material and purposes. Class meets for a full semester, allowing time for the student to master each successive reading technique before learning a new one.

RDG 115. MEDICAL TERMINOLOGY 2 credit hours
Acquaints students with the origin and structure of medical terms. Helps interpret and understand requests for radiographic and other examinations and to read and to understand medical articles and reports.

REAL ESTATE (RE 48)

RE 100. REAL ESTATE PRINCIPLES 3 credit hours
An introductory course in real estate principles, practices and concepts. The student will be exposed to a broad overview of the real estate field including the nomenclature, documents, legal aspects and licensure, property descriptions, appraisal, financing, title insurance, construction builders, property management, condominiums, buying and selling, realtor functions, the Board of Realtors, ethics. An opportunity for the student to participate in an essential learning process leading to valuable real estate career. (3 hours per week)

REFRIGERATION/AIR CONDITIONING (RAC 82)

Basically this is a trade-related instruction program. Its purpose is to upgrade persons currently employed in this industry; however, students who are not currently employed in the industry are welcome. Presently courses are only offered in the evenings. Membership in the Educational Society of the Refrigeration Service Engineers (RSES) is required. Initiation fee and dues are approximately \$45. Consent of advisor is required for registration.

RAC 122. REFRIGERATION II 5 credit hours
Prerequisite: RAC 111 and consent; RSES membership required

Emphasis is on the functional principles and servicing of the following units: compressors, condensers (air and water-cooled), cooling towers, evaporator selection, metering devices (expansion valves, capillary tubes), motors and accessories, defrost systems, supermarket refrigeration, fresh meats, soda fountains and ice cream dispensers, ice making machines, beer cooling, milk cooling, estimating heat loads, commercial refrigeration. (5 hours per week)

**RAC 123. REFRIGERATION AND AIR
CONDITIONING SYSTEMS** 5 credit hours

Prerequisite: RAC 111, 124 and consent; RSES membership required
Sketching and constructing refrigeration systems. Calibration and efficiency balance of these units stressed. Troubleshooting electrical controls and additional study in thermodynamics included. (6 hours per week)

RAC 214. CONTROL SYSTEMS 5 credit hours
Prerequisite: RAC 124 and consent; RSES membership required

Presenting further study and practice in reading electronic wiring diagrams and schematics as applied to the electrical controlling systems of refrigeration and air conditioning, including alternating current, motors, starters, capacitors, transformers, motor protectors, standard service techniques and troubleshooting industrial controls. (5 hours per week)

RESPIRATORY THERAPY (RTH 54)

RTH 097. RESPIRATORY THERAPY REVIEW 1 credit hour
Designed to assist graduates of Respiratory Therapy Programs studying for their certification or registry exams. Offered the five Saturday mornings preceding the exam. Emphasis placed on sample examinations. (5 three-hour sessions)

**RTH 106. CHEMISTRY FOR RESPIRATORY
THERAPISTS** 3 credit hours
Prerequisite: CEM 057 and CEM 058

Intended primarily for students in Respiratory Therapy Program. A study of the chemical and physiochemical behavior of gases, solutions, acids, bases, pH and electrolytes. Encompasses topics in organic chemistry and biochemistry related to metabolism and respiration.

RTH 121. BASIC EQUIPMENT AND PROCEDURES ... 4 credit hours
Prerequisite: Admission to the Respiratory Therapy Program

An introductory course dealing with the instruments and techniques used by the respiratory therapist; principles of operation and maintenance repair of various analyzers, humidifiers, masks, catheters, respirators, tents and regulators. (2 hours laboratory, 2 hours lecture)

RTH 198. GENERAL CLINICAL PRACTICE I 3 credit hours
Prerequisite: RTH 121

Bedside practice of general respiratory therapy techniques such as intermittent positive pressure breathing, oxygen therapy, humidity therapy, cardiopulmonary resuscitation, sputum induction and equipment rounds. Meets in a cooperating hospital. Experience will be coordinated with topics covered in RTH 121. (16 hours per week)

RTH 199. GENERAL CLINICAL PRACTICE II 3 credit hours
Prerequisite: RTH 198

Continued bedside practice of general respiratory therapy techniques developed in RTH 198. (16 hours per week).

RTH 200. ADVANCED CLINICAL PRACTICE 4 credit hours
Prerequisite or Corequisite: RTH 121, RTH 122, RTH 123, RTH 198, RTH 199, RTH 212, RTH 213 and successful completion of Qualification exam

Structured, at-the-bedside, practice of respiratory therapy techniques involved with the care of acutely ill patients and patients with chronic obstructive pulmonary disease. Students assigned to intensive care units of cooperative hospitals. Involved are two eight-hour sessions per week. (16 hours per week)

RTH 201. SPECIALTY CLINICAL PRACTICE 2 credit hours
Prerequisite: Completion of third semester of Respiratory Therapy Program

Experience in one of the following specialty areas: management, teaching, cardiopulmonary, burn medicine, home care, research, pulmonary function testing. (16 hours per week for 7.5 weeks)

RTH 202. PEDIATRIC CLINICAL PRACTICE 2 credit hours
Prerequisite: RTH 200, 212, 213, 219, successful completion of Pediatric Qualification Exam

Structured, at the bedside, practice of respiratory therapy in the neonatal intensive care unit and pediatric units.

RTH 212. VENTILATORS AND DIAGNOSTIC TESTS ... 3 credit hours
Prerequisite: RTH 121

An in-depth study of the use, classification, operation, advantages, modifications, maintenance repair and troubleshooting of medical ventilators, pulmonary function testing devices and other respiratory therapy equipment.

**RTH 213. INTENSIVE AND REHABILITATIVE
RESPIRATORY CARE** 4 credit hours
Prerequisite: RTH 106, 212

A detailed study of the treatment of acute and chronic respiratory failure; the treatment of overwhelming pneumonias, adult respiratory distress syndrome, post-operative problems, poisonings and the rehabilitation of patients with chronic pulmonary disease emphasized. Medical specialists will discuss the respiratory care of their patients.

RTH 214. CARDIODIAGNOSTICS 3 credit hours
Prerequisite: BIO 111 or equivalent (Open to students other than Respiratory Therapy)

A survey of invasive and noninvasive methods of studying the heart and cardiovascular system. Swan Ganz catheterization, echocardiography, stress tests, EKG interpretation, etc.

RTH 219. PEDIATRIC RESPIRATORY THERAPY 3 credit hours

Prerequisite: RTH 121 and 122

A study of the physiology of children; modes of therapy used to treat cardiopulmonary diseases of children, infants and neo-nates explained.

ROBOTICS

(See Integrated Manufacturing)

RUSSIAN

(See General Studies)

SECRETARIAL AND OFFICE

(SO 49)

SO 101. BEGINNING TYPEWRITING 3 credit hours

The beginning typewriting course has been designed to develop initial keystroking skill, using the operating parts of the typewriter efficiently, placing materials attractively on a page by centering the copy horizontally and vertically. The student will then complete tabulation problems; set up and type business letters, personal letters, and memoranda, simple tables, outlines and manuscripts, and use the typewriter as an aid in composing. Proofreading skill is developed by comparing and verifying. (This is a 3 credit 4 contact hour course.)

SO 102. INTERMEDIATE TYPEWRITING 3 credit hours

Prerequisite: SO 101 or equivalent (minimum of 35 wpm with 5 errors or less for 5 minutes.)

A course designed to develop student expertise in solving a wide variety of communication problems. Development of speed and control is stressed in typing letters in basic styles with special features, simplified forms of business correspondence, tables, business forms, and technical and statistical reports. (This is a 3 credit 4 contact hour course.)

SO 107. CLERICAL METHODS AND PROCEDURES 4 credit hours

Prerequisite: Typewriting proficiency of 45 wpm or concurrent enrollment in SO 102 Typewriting

The student will prepare for employment, improve typewriting skills, perform general office duties including extensive filing and payroll procedures. The student will prepare for advancement opportunities in the clerical field by studying human relations and personality development, and by improving work habits and procedures.

SO 130. BUSINESS MACHINES 3 credit hours

Prerequisite: MTH 163 or equivalent

The emphasis throughout this course is using electronic business calculators in problem-solving activities. This requires the college student to give serious attention to efficient machine operation, verifying techniques, machine programming, and the concepts of business mathematics widely used in both business and personal situations. (Three hours per week plus a minimum of six practice hours.)

SO 132. INTERMEDIATE SHORTHAND 3 credit hours

Prerequisite: SO 101 Typewriting and SO 131 Shorthand or equivalent

The intermediate shorthand course is designed to review Gregg theory and strengthen the student's grasp of major shorthand principles in order to develop dictation and transcription skills. (This is a 3 credit/4 contact hour course.)

SO 151. INFORMATION PROCESSING PRINCIPLES 3 credit hours

A study of the basic principles and concepts of the information processing function in modern business-industrial enterprises. Development of basic insights into the growth, objectives and methods of information processing. Included are basic terminology and concepts of information processing applications, systems design, basic memory, and storage types.

SO 152. INFORMATION PROCESSING TRANSCRIPTION SKILLS 3 credit hours

Prerequisite: High school typewriting proficiency or concurrent enrollment in intermediate typewriting or equivalent

An integrative approach to the study and application of current dictation/transcription practices found in the modern business office. The course will emphasize mastery of the equipment as well as mastery of transcription

skills essential to quality correspondence. These skills will be stressed in the attainment of acceptable productivity standards. (This is a 3 credit/4 contact hour course.)

SO 153. INFORMATION PROCESSING APPLICATIONS/BASIC PRACTICE 2 credit hours

Prerequisite: High school typewriting proficiency or concurrent enrollment in intermediate typewriting or equivalent. (Minimum 35 wpm with 5 errors or fewer.)

An integrative, applied approach to the study of modern word processing designed to acquaint the student with the use of automated word processing equipment as it relates to business, industry, and other specialized fields. Skill development and speed building in creating, editing and printing documents are emphasized. (This is a 2 credit hour/7 1/2 week course.)

SO 200. INDEPENDENT DIRECTED STUDY 1-3 credit hours**SO 203. ADVANCED TYPEWRITING 3 credit hours**

Prerequisite: SO 101 and 102 Typewriting or equivalent. (Minimum of 45 wpm with 5 errors or fewer for 5 minutes.)

Advanced typewriting is designed to build on the foundations of earlier training in correspondence, reports, and tables. Increasing with difficulty of material, the student will have a variety of specialized office-typing tasks and business forms to complete. Students make decisions that govern attractive placement or layout of materials. The student does independent work, matching employment conditions. Significant amounts of edited and longhand materials are included. (This is a 3 credit/4 contact hour course.)

SO 210. MEDICAL TRANSCRIPTION 3 credit hours

Prerequisite: SO 102 or equivalent

An introductory course in medical terminology and medical transcription for students who are proficient in typewriting. Emphasis is placed on basic transcription techniques in order for the student to acquire a thorough knowledge of dictation/transcription equipment. The course familiarizes the student with a broad base of medical terms and the basic types of medical reports. (This is a 3 credit 4 contact hour course, plus a minimum of 4 weekly machine hours.)

SO 214. INFORMATION PROCESSING APPLICATIONS/ADVANCED PRACTICE 3 credit hours

Prerequisite: SO 153 and high school typewriting proficiency or concurrent enrollment in intermediate typewriting or equivalent

An advanced practice in information processing applications as they relate to business and industry and other specialized fields such as law. Skill development and speed building in transcribing, revising, and printing finished information processing assignments are emphasized. (This is a 3 credit 4 contact hour course.)

SO 225. INFORMATION PROCESSING SYSTEMS AND PROCEDURES 3 credit hours

Prerequisite: SO 151, SO 152, SO 153, SO 214 and high school typewriting proficiency or concurrent enrollment in advanced typewriting or equivalent

Practical study of the fundamental systems and procedures comprising the information processing center. Emphasis on developing insights into the responsibilities of the information processing center staff, personnel qualifications, human relations, and the effective integration of the information processing system(s) with the other business systems. Includes information processing alternatives, equipment and needs surveys, organizing and implementing information processing, and management and control of the information processing function. (This is a 3 credit 4 contact hour course.)

**SOCIOLOGY
(SOC 09)****SOC 100. PRINCIPLES OF SOCIOLOGY 3 credit hours**

Introduces students to unique ways of understanding and explaining the connection between self and society, the patterns of human relationships, social organization, and institutions, how they began, how they are maintained and transmitted, and how they are changed. Sociological study begins with the notion that we think, feel, and act as we do because of what we learn and observe and because of invisible social forces that pressure us to make choices to conform or to deviate. Scientific methods are then used to uncover the normative principles and relativistic complexity of human behavior and social arrangements, events and processes, as well as socio-cultural changes. This course is also taught as a television course using the series "Focus on Society."

SOC 150. MARRIAGE AND THE FAMILY 3 credit hours

This course examines the principles, practices, and problems of mate selection, marriage and family and singleness. Main themes will focus on how socio-cultural, technological and economic changes are reshaping marriage and family relationships, sexuality, and single lifestyles; how social and personal factors influence choices in interpersonal relationships, childbearing, communication and conflict. Some issues to be discussed are family planning, single-parenting, cohabitation, divorces, childcare, sex education, abortion, and spouse abuse.

SOC 201. MEDICAL SOCIOLOGY 3 credit hours

This course uses sociological and social-psychological concepts to account for the differences in getting sick, getting care, getting well, and staying well. The role of patients, providers and policies are examined through a combination of theory, research and practical applications. Specific topics to be covered include: socio-cultural definitions and distributions of illness and health; taking the sick role and seeking and using health service; lifestyle, stress and illness; patient-practitioner relationships; socialization and training of health workers; health care services, hospitals, agencies and insurance. Issues include: escalating costs versus benefits, consumerism, self-help movements and prevention, death and dying, medicalization of deviance, care of needy groups, professionalization, drug industry, and bio-medical technology.

SOC 202. CRIMINOLOGY 3 credit hours

An examination of the theories which attempt to explain criminal behavior. Punishment versus rehabilitation schools of thought dealt with as well as capital punishment. Attention also given to the functioning of police and court systems.

SOC 205. RACIAL AND ETHNIC RELATIONS 3 credit hours

Examination of the basic concepts of racial and ethnic relations and the concept of race. Examines and analyzes the course of oppression and suppression, superiority and inferiority, majorities and minorities in racial subgroups.

SOC 207. SOCIAL PROBLEMS 3 credit hours

This course uses sociological concepts to explain how social forces can create and maintain as well as prevent major social problems that result from man's effort to meet their needs for survival and growth. Emphasis is placed on the institutional, social-structural, technological and social psychological reasons for: (a) global and environmental problems (population, energy, environmental depletion and pollution); (b) inequalities (poverty, sexism, racism, ageism, handicapism); (c) deviance and social control (crime, war and the arms race, interpersonal violence, substance abuse, mental and physical illness); (d) institutional crises (family and divorce, work, education, media, economy and government).

SOC 250. JUVENILE DELINQUENCY 3 credit hours

The growing-up process of late childhood and adolescence from a sociological and cultural viewpoint. Problems of the individual in his/her social environment, group forces which lead to maladjustment and sociological principles for working with youth from the viewpoint of parent, teacher, police and youth organization leader.

**SPANISH
(SPN 21)****SPN 111. FIRST YEAR SPANISH I** 4 credit hours

A beginning course in Spanish using the conversational approach. Spoken language mastered through classroom and laboratory practice. Cultural aspects of Spain and Latin America highlighted.

SPN 112. SPANISH LAB I 1 credit hour

Prerequisite: Current enrollment in SPN 111

This course is intended to augment Spanish 111. Students will work in a supervised language lab with taped materials which correlate to the lessons in their texts and workbooks. Students intending to transfer will be offered accelerated materials as well as supplemental listening aids that include both music and literature.

SPN 119. SPANISH LANGUAGE ADVENTURES 1 credit hour

A course of independent study to be undertaken during any of the College field trip "Adventures" to Spanish speaking countries and their centers of

culture. Students will live in the individual country for the duration of the "Adventure" visit and study first-hand the outstanding cultural attractions and practice Spanish throughout their stay.

SPN 120. BEGINNING CONVERSATIONAL SPANISH 2 credit hours

Conversational in approach and assumes no previous knowledge of the language. Designed for students interested in practicing the fundamentals of spoken Spanish to enhance their travel enjoyment in Spain and Latin America as well as to promote an appreciation of these exciting cultures. May be taken as a review for students already enrolled in the first year course.

SPN 121. INTERMEDIATE CONVERSATIONAL SPANISH 2 credit hours

Prerequisite: SPN 120 or equivalent

Continuation of Spanish 120. Provides vocabulary expansion and cultural insights through total student involvement in the conversation practice sessions in this flexibly structured course.

SPN 213. SECOND YEAR SPANISH I 3 credit hours

Prerequisite: SPN 122, its equivalent or consent

An intermediate course in Spanish using the conversational approach. First year emphasis on spoken form and culture reviewed. Attention given to the written form.

**STUDENT PERSONNEL SERVICES
(SPS 07)****SPS 100. CAREER PLANNING SEMINAR** 3 credit hours

Designed for persons undecided in their career and life goals and interested in exploring alternatives to current careers or who are interested in clarifying tentative decisions. This course provides opportunity for participants to become more aware of themselves and others and to become knowledgeable of careers, career alternatives, employment trends and issues and projections. Also provides opportunity for participants to develop and/or refine job hunting skills. Participants gather, evaluate and utilize appropriate career information to assist in planning, narrowing and implementing realistic career and life goals.

**SPS 102. INDEPENDENT STUDY—
CAREER PLANNING** 1 credit hour

Independent Study course is designed for persons undecided about their career and life goals and unable to come to campus regularly for a group course (see SPS 100). At their own pace, participants complete a series of exercises and activities to learn about their goals, interest, skills, abilities, and values, to explore occupations and to learn decision-making techniques. Participants write a summary career plan upon completion and meet for consultation with instructor three times during the period of independent study. (Hours arranged on an individual basis.)

**TECHNICAL AND COMMERCIAL ART
(TCA 73)****TCA 100. PERSPECTIVE AND PARALLEL PROJECTION** 4 credit hours

Development of ideas by three dimensional drawing techniques. Emphasis on the fundamentals of oblique, one point, isometric, two points and three point perspective projection. Projects utilizing parallel and perspective projected shadow construction emphasized. (6 hours per week)

TCA 101. TECHNICAL ILLUSTRATION 4 credit hours

Prerequisite: TCA 100 or consent

Illustration projects utilizing perspective and parallel projection and mechanical art aids. Information for problems obtained from blueprints, written communication, and other sources. Assignments deal with the presentation of assemblies, exploded views, section and phantom drawings used by automotive, aircraft and electronics industries. (6 hours per week)

**WELDING AND FABRICATION
(WF 71)****WF 100. FUNDAMENTALS OF WELDING** 2 credit hours

A basic combination welding course dealing with oxy-acetylene and arc

welding designed to meet the needs of students enrolled in Auto Body Repair, Auto Mechanics, Detailer Draftsman, etc. Typical applications made in a laboratory setting. (4 hours per week)

WF 101. ACETYLENE WELDING 2 credit hours
Designed for students who need a knowledge of oxy-acetylene welding and a degree of skill required by industry. Primarily for students whose occupations are associated with welding. (4 hours per week)

WF 102. ARC-WELDING 2 credit hours
An introductory course in arc welding covering theory and practice: proper procedures for various welding positions; both A.C. and D.C. welding is covered; electrode identification, classification and proper applications to typical operations. (4 hours per week)

WF 103. HELI-ARC WELDING 2 credit hours
Instruction given in tungsten, inert gas, shielded arc-welding, with manually operated torch on such metals as aluminum, stainless and mild steels; includes theory directly related to the composition and properties of these metals. (4 hours per week)

WF 104. SOLDERING AND BRAZING 2 credit hours
Course designed for basic knowledge of soft soldering, brazing, silver soldering, copper tubing and fittings, brazing of steel, silver soldering of copper and stainless. Practical application included.

WF 111. WELDING (BASIC OXY-ACETYLENE) 4 credit hours
The use of oxy-acetylene equipment to perform such operations as butt, lap, and fillet welds using filler rods; flame cutting, brazing, and silver soldering. Safety procedures and practices of gas welding emphasized. (8 hours per week)

WF 112. WELDING (BASIC ARC) 4 credit hours
The use of arc welding equipment both A.C. and D.C. to perform such operations as butt, lap and fillet welds using bare and shielded electrodes, all-purpose and special electrodes. Study of electrical welding, power supplies and electrodes included. Safety procedures stressed. (8 hours per week)

WF 123. WELDING (ADVANCED OXY-ACETYLENE) 4 credit hours
Prerequisite: WF 111

Advanced instruction in oxy-acetylene welding with emphasis on "out of position" welded joints. Procedures covered and put in practice for fabricative welded joints on steel plate and pipe. Related theory included. (8 hours per week)

WF 124. ADVANCED ARC WELDING 4 credit hours
Prerequisite: WF 112

Advanced instruction in arc welding using both A.C. and D.C. arc welding equipment. Emphasis on "out of position" welded joints in mild steel, alloy steels and procedures covered for cutting, beveling, and fabricating various welded joints. Related theory, codes and standards included. (8 hours per week)

WF 200. LAYOUT FOR WELDERS 2 credit hours
Layout problem solving for the welder including techniques using layout die, combination squares, protractors, center heads trammel, points, dividers, and straight edges. Template making for pipe cutting and joining emphasized. A basic math review and the properties of a circle such as radius, chords, and degrees of angularity for jobs done in the field included. (3 hours per week)

WF 210. WELDING METALLURGY 3 credit hours
Metal properties and identification properties through testing, effects of alloying element, specification use and application of mild steel, low steel alloys, stainless steel principles of electricity as they apply to different welding applications and heat treatment of metals. (3 hours per week)

WF 215. ADVANCED T.I.G. AND M.I.G. WELDING 4 credit hours
Tungsten-inert gas shield arc welding with manually operated torch on such metals as aluminum, mild steel and stainless steel. Technical theory directly related to T.I.G. welding including the composition and properties of metals. (8 hours per week)

WF 226. SPECIALIZED WELDING PROCEDURES 4 credit hours

Prerequisite: Consent

Specialized oxy-acetylene welding, inert gas-shield arc and consumable carbon dioxide welding. Emphasis given aluminum, stainless steel, high alloy steels and cast iron. Procedures for welding of the exotic metals such as titanium, columbium, zirconium, and molybdenum included. (8 hours per week)

WF 227. BASIC FABRICATION 3 credit hours

Prerequisite: Consent

For advanced welders planning to use their welding skills in manufacturing. Teaches the skills necessary to design, cut and fit pieces to be welded. Welders are trained in the use of modern machines for bending, punching, cutting, and shaping. Each student takes a self-chosen project and carries it through from blueprints to actual assembly. Includes estimation of material and labor costs.

WF 229. SHAPE CUTTING OPERATIONS 3 credit hours

Prerequisite: Consent

The students will learn the shape-cutting process with oxy-acetylene and plasma cutting torches. With the use of the optical eye and Burny IV N.C. control, the student will learn how to cut mild steel, aluminum, and stainless steel parts.

WOMEN'S STUDIES (WS 06)

WS 103. PSYCHOLOGY/BIOLOGY OF WOMEN 3 credit hours

An examination of the current experiences of women in our society through the exploration of history and theory and their cultural interpretation. Focus will be on how and why women see themselves the way they do with emphasis on positive growth. Topics discussed include: history of sex-role stereotyping, rape and pornography; jobs, pay and inequity; marriage and divorce; motherhood and personhood; religion and women. Course includes readings, discussions and lectures.

WS 115. ASSERTIVENESS TRAINING FOR WOMEN 3 credit hours

Teaches non-aggressive means of reducing fears, resolving conflicts, expressing likes and dislikes more fully, experiencing personal rights, increasing self-respect.

WS 122. IMAGES OF WOMEN IN MYTHOLOGY 2 credit hours

Participants will have an opportunity to investigate how women are presented in classical myths and to better understand how current attitudes about women have been influenced by these myths. Emphasis on ancient times.



CREDIT-FREE CLASSES AND SPECIAL TRAINING FOR COMPANIES

Continuing Education Services (973-3616)

The Office of Continuing Education Services extends the resources and facilities of Washtenaw Community College to the community. These special seminars and workshops provide education and training for groups in industry, government, organizations, agencies and the professions.

Custom-Designed Educational Services for Business/Industry:

Continuing Education Services custom designs seminars and short courses for local businesses, organizations and industry.

These programs offer training for managers, supervisors, engineers, technicians, clerical staff or any groups with specific needs in management, finance, interpersonal development, office management or clerical skills. Retirement planning, employee motivation, communications skills, plastic technology, supervisory skills for new managers, and financial planning are examples of our custom-designed programs.

For more information on custom-designed workshops, please contact the Continuing Education Services Office at (313) 973-3493.

Registration Procedures for Continuing Education Services Offerings:

Register for any Continuing Education Services workshop by mail using the coupon, or in person at the Continuing Education Services Office (LA 100). Call 973-3616 with questions concerning any class.

Fees for non-credit classes and workshops are calculated for each person. Registrations must be prepaid to guarantee a place in the class and are accepted on a space available basis. Any class may be cancelled due to low enrollment. All efforts are made to contact registered students if a cancellation occurs. Full refunds will be processed for classes cancelled due to insufficient enrollment.

In case of withdrawal from a Continuing Education Services workshop before the first class session, the student may claim a 100% refund. The student may claim a 75% refund of the fee if withdrawal is made within the first week of class. A 50% refund will be processed if withdrawal is made within the second week of class. No refund is processed after the second week. Applications for a refund may be made by phone or in person at the Continuing Education Services office. A check covering your refund will be sent within four to six weeks.

All of the programs offered are tailored to give you the information you need in the most cost-effective manner possible. They are conducted in an informal atmosphere, and the instructors are men and women from business, the community, and the faculty at Washtenaw Community College.

Continuing Education Services' classes may be tax deductible, i.e., registration fees, and cost of travel, if educational expenses (1) maintain or improve skills required in one's employment or other trade or businesses, or (2) meet express requirements of an employer or a law imposed as a condition to retention of employment, job status or rate of compensation. (Treasury regulation Section 1.162-5)

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"CHECK-IN" FOR ALL CONTINUING EDUCATION SERVICES CLASSES IS HELD IN LA100 UNLESS OTHERWISE NOTED. PLEASE REPORT THERE ON THE FIRST NIGHT OF THE CLASS OR WORKSHOP.

CAREER AND NEW CAREER DEVELOPMENT

JOB SKILLS

These workshops and seminars provide information, skills and skill "refreshing" for making initial career decisions or mid-life career changes, exploring new markets, and meeting the career-related needs of adults.

PLEASE NOTE:

For listings of our non-credit seminars and workshops on small business management, professional development, communications, special licensing courses, non-profit organizations' topics, office skills, and special conferences, look for our monthly ads in the *Ann Arbor News* and the *Ypsilanti Press*, or call 973-3616.

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COMPUTERS IN BUSINESS

BUSINESS APPLICATIONS FOR THE IBM PC 8 hours

Monday & Wednesday, September 15 & 17 • 8:00 a.m.-12:00 p.m. • Instructors: Sappington & Kelsey • Fee: \$98.00 CTP 501 001

Tuesday & Thursday, September 23 & 25 • 1:00-5:00 p.m. • Instructors: Sappington & Kelsey • Fee: \$98.00 CTP 501 002

Two weeks, Tuesdays & Thursdays, October 14, 16, 21, & 23 • 1:00-3:00 p.m. • Instructors: Sappington & Kelsey • Fee: \$98.00 CTP 501 003

This is an introduction to the effective use of microcomputers in business environments. Through practical, hands-on exercises, students are introduced to a variety of software packages, including a word processor, a spreadsheet and a database manager, as well as to the basic use of a desk operating system (MS-DOS). A textbook is recommended. Instructors are: R. Jay Sappington, education director with T and B Computing, Inc., and Rick Kelsey, microcomputer instructor and consultant with T and B Computing, Inc. CTP 501 001, CTP 501 002, CTP 501 003.

INTRODUCTION TO LOTUS 1-2-3 8 hours

Four sessions, Mondays & Wednesdays, September 29, October 1, 6 & 8 • 8:00-10:00 a.m. • Instructors: Sappington & Kelsey • Fee: \$98.00 CTP 521 001

Monday & Wednesday, October 27 & 29 • 8:00 a.m.-12:00 p.m. • Instructors: Sappington & Kelsey • Fee: \$98.00 CTP 521 002

Tuesday & Thursday, November 11 & 13 • 1:00-5:00 p.m. • Instructors: Sappington & Kelsey • Fee: \$98.00 CTP 521 003

Executives, managers and secretaries will receive detailed information on constructing cash flow projections, monitoring and projecting budgets, and forecasting cash and revenue bookings, all using Lotus 1-2-3 as an integrated financial spreadsheet. Student activities include designing spreadsheets, entering data, constructing formulas, and using macros. A textbook is recommended.

Business Applications for the IBM PC should be taken before this class. Instructors are: R. Jay Sappington, education director with T and B Computing, Inc., and Rick Kelsey, microcomputer instructor and consultant with T and B Computing, Inc. CTP 521 001, CTP 51 002, CTP 521 003.

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CONTINUING EDUCATION IN PLASTICS TECHNOLOGY

Continuing Education in Plastics Technology is co-sponsored with the Society of Plastics Engineers. Designed to update those in technically oriented positions and to provide basic knowledge for those who wish to enter the plastics industry, the classes are offered on topics and at times convenient for the participants. These classes will apply toward a Certificate in Plastics Technology.

A Certificate in Plastics Technology will be awarded to those completing five classes. Plastic Technology classes are offered on a rotating basis during Fall and Winter semesters. Choose five classes from the Fall and Winter classes to make up the Certificate in Plastics Technology.

DECORATING PLASTICS 6 weeks

Beginning Wednesday, September 24 • 7:00-9:00 p.m. • Instructor: Fred Meyer • Fee: \$95.00

Five techniques for decorating plastic will be covered: pigmentation, hot stamping, plating, vacuum-metalized, and painting. We'll look at a description of each decorating procedure, application of the procedure, difficulties or problems associated with each technique and advantages of one technique versus another. Fred Meyer has considerable experience in the plastics industry and is currently employed in the Plastic Development Application office in the Plastics, Paint and Vinyl Division of Ford Motor Company. PLT 550 001

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**ENTREPRENEURIAL AND
SMALL BUSINESS MANAGEMENT SEMINARS**
co-sponsored with
**AMERICAN MANAGEMENT ASSOCIATIONS
EXTENSION INSTITUTE**
present the
CERTIFICATE IN MANAGEMENT PROGRAM

The Certificate Program is a non-credit skills-oriented learning series resulting from a unique blend of training resources. American Management Association's Extension Institute has developed a multi-course curriculum that forms the essential core of management education. These course are nationally recognized for their value and comprehensiveness.

This certificate program has been designed especially for men and women who are seeking increased opportunity for career advancement and greater job satisfaction. Employers will find these courses a cost-effective way to increase their employees' productivity. Our courses will help sharpen skills and increase areas of competency so that both the individual and the organization benefit.

To earn the Certificate in Management a student is required to complete six courses. The student may take any courses in any order.

Continuing Education Units (1.2) are offered for each course. The CEU is a national measurement unit used for recording, transferring, and gaining recognition for one's participation in non-degree learning experiences.

This semester we are offering four courses that we feel are timely. Since enrollment for each class is limited, don't delay. Prepare yourself for promotion by sending in your enrollment form today.

COMPUTER BASICS FOR MANAGERS 3 weeks

Monday and Wednesday, beginning September 8 • 7:00-9:00 p.m. • Instructor: Jeff Katke • Fee: \$135.00

Computer Basics for Managers is a basic course that focuses on providing the kind of information you need to establish a fruitful working relationship with your company's EDP people. In clear, nontechnical language, this course will give you a comprehensive understanding of the uses and workings of the computer. You will learn to select the most appropriate applications for your needs and to evaluate the output.

This course is designed for all non-EDP personnel who require a knowledge of the computer function from a managerial point of view and who rely on computer output for decision-making data. Materials included in class fee. Jeff Katke owns his own consulting business, The Katke Co., and consults with business and industry regarding their computer needs. SBM 625 002

HOW SUCCESSFUL WOMEN MANAGE 6 weeks

Tuesdays beginning September 9 • 6:00-8:00 p.m. • Instructor: Dale Crayne • Fee: \$135.00

This is a hard-hitting self-study course that presents the world as it really is. It states flatly that there is no difference between what male and female managers must do to get the job done, but there is a world of difference in how you must do it in order to get results. How Successful Women Manage then shows you the techniques executive women use to establish their leadership role. The many mini-case studies in the course show you how to use these same techniques to open the door to career advancement, job satisfaction and equal pay. Materials are included in class fees.

Dale Crayne, the presenter, is a consultant with several years of experience conducting workshops in interpersonal communication skills, motivation, stress, and assertiveness. SBM 625 003

FUNDAMENTALS OF MODERN MARKETING 6 weeks

Tuesdays beginning November 4 • 7:00-9:00 p.m. • Instructor: Colleen McGee • Fee: \$135.00

This course is a fast, easy way to get the solid marketing background you need to advance your career. This course provides a thorough orientation to the marketing concept — a proven approach to marketing that zeroes in on customers' needs. You will learn how to determine and integrate market characteristics in devising an overall market strategy. Stress is placed on taking into account such specifics as pricing, sales effort, advertising, product design, packaging, distribution, and promotion.

Ms. McGee, the instructor for this course, owns her own marketing company, McGee and Associates. She works with several companies throughout Michigan developing marketing strategies. SBM 625 004.

A MANAGER'S GUIDE TO HUMAN BEHAVIOR 6 weeks

Beginning Wednesday, November 5 • 7:00-9:00 p.m. • Instructor: to be announced • Fee: \$135.00

This course will help you supply the critical motivation that both your workers and your supervisors need to achieve maximum results. Clearer, non-conflictive communication; an understanding of human needs and motivations; leadership styles and problem-solving techniques; acceptable and effective self-assertive methods are all principles and concepts which will be studied in this course. SBM 625 005

COURSE CONTENT OUTLINE:

- A Look at Two Organizations
- The Structure and Dynamics of Work Groups
- Management Applications of Leadership Theories
- Transactional Analysis in a Business Environment
- Management Applications of Motivation Theories
- Self-Esteem and Relations with Others
- Improving Relationships Through a Performance Review

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REAL ESTATE

Real estate seminars and courses are designed for two groups. For the general public, courses are offered in buying, selling and restoring houses or commercial properties for investment or for personal use. For professional real estate people and those interested in becoming realtors, real estate continuing education courses required for recertification by the Michigan Board of Real Estate and Salespersons and the basic real estate course required for new realtors are offered every semester.

Michigan Real Estate Salespersons' License Examinations will be held at Washtenaw Community College on September 27, October 25, November 22, and December 13.

REAL ESTATE FUNDAMENTALS 5 weeks

Mondays and Wednesdays beginning September 8 • 6:00-10:00 p.m. • Instructors are from NCI Associates, Ltd. • Fee: \$75.00 tuition and \$30.00 materials and texts. RES 520 001

REAL ESTATE FUNDAMENTALS 5 weeks

Mondays and Wednesdays beginning October 13 • 6:00-10:00 p.m. • Instructors are from NCI Associates, Ltd. • Fee: \$75.00 tuition and \$30.00 materials and texts. RES 520 002

Designed for those preparing for the Michigan Real Estate Salespersons License Examination and for anyone who wants an extensive overview of real estate, this series covers real estate laws, contracts, financing, ownership, brokerage, valuation, and fair housing. The course is approved for forty hours of statutory requirements by the Department of Licensing and Regulation. There are two fees, \$75.00 tuition and \$30.00 for materials and textbooks. Participants may pay with a single check for \$105.00. Instructors are licensed realtors and are employed by NCI Associates, Ltd., a private vocational school specializing in real estate courses. RES 520 001 and/or RES 520 002.

REAL ESTATE CONTINUING EDUCATION, 1986-87 1 session

Friday, September 19 • 9:00 a.m.-4:00 p.m. • Instructor: Jack Waller • Fee: \$20.00 RES 530 001

REAL ESTATE CONTINUING EDUCATION, 1986-87 1 session

Friday, October 17 • 9:00 a.m.-4:00 p.m. • Instructor: Jack Waller • Fee: \$20.00 RES 530 002

This course is certified and required by the Department of Licensing and Regulations for all real estate licensees and will fulfill the 6 hour statutory requirement for license renewal in 1987. Topics include Occupation Code, economic conditions, 1984 Tax Reform Act, fair housing and court cases, law of agency, and code of ethics. Be prepared to give name and ID number as it appears on your license. Coordinators of this course are NCI Associates, Ltd. RES 530 001 and/or 530 002.

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HOME HEALTH AIDE

HOME HEALTH AIDE

6 weeks

Mondays, Tuesdays and Wednesdays beginning September 15 • 6:00-10:00 p.m. • Instructor: to be announced • Fee: \$200.00

A Home Health Aide (HHA) is a male or female trained to perform health care and homemaking tasks which a client, family member or friend may be unable to do because of age, physical or social condition. This training program is designed to give the beginning or experienced health care worker a comprehensive set of nursing assistant and home management skills. Lectures and clinical practice will encompass seventy-seven hours. Clinical practice will take place at an area nursing home and will be arranged for a Saturday. Participants will have the opportunity to be Red Cross C.P.R. certified, earn 7.7 Continuing Education Units and be assisted in seeking employment. If you are interested in financial aid, contact the Continuing Education Services Office immediately. The textbook, *Being a Home Health Aide*, should be purchased at Washtenaw Community College's bookstore and brought to the class. HHA 500 001.

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INDIVIDUAL AND FAMILY DEVELOPMENT

FINANCIAL PLANNING SEMINARS

Make your money work for you. Learn to manage your finances effectively. Local professionals will discuss personal financial management as a "skill" that can help you achieve your financial goals.

FINANCIAL PLANNING

5 weeks

Beginning Tuesday, September 16 • 6:30-8:30 p.m. • Instructor: Anthony Vadino • Fee: \$65.00

This seminar is designed to give participants information and guidance in managing their personal financial affairs. It is a working seminar and will assist you in preparing your own financial plan with the guidance of certified financial consultants. Topics include basic financial concepts, basic investments, financial planning based on the 1986 Tax Reform, income-oriented investments, insurance and the mechanics of developing your financial plan. A CPA will discuss tax planning and a lawyer will discuss trusts and wills. The presenters have given many local seminars on this topic. They are: Jerome S. Rydell, Ch. F.C., C.F.P. Pres.; Gordon E. Ulrey, Ch. F.C., C.F.P.; and Anthony T. Vadino, Ch. F.C., C.F.P. of Sigma Financial Corporation, Ann Arbor. IFF 505 001.

LIFE AND RETIREMENT PLANNING

4 weeks

Beginning Thursday, September 18 • 7:00-9:00 p.m. • Instructor: Justine Bykowski • Fee: \$45.00

We will cover the important steps in planning for retirement. Discussions with local experts include financial planning, investments, estate and wills, health and housing considerations. Justine Bykowski is a specialist in retirement issues and has taught numerous seminars for pre-retirees. She is the Director of Education for the Employment Transition Program at the University of Michigan. The textbook fee is \$19.50. REP 500 001

COLLEGE FINANCIAL AID

1 session

Tuesday, October 21 • 7:00-9:00 p.m. • Instructor: Charles Allen • Fee: \$20.00

This seminar is designed to acquaint parents of junior and senior high school students with federal and state college financial aid programs, and to assist them with completing the financial aid form. A college financial need analysis will be made for each family and will determine the family's anticipated college costs and available financial aid. Charles Allen has previously conducted seminars on this topic and is associated with Haas Financial Services. IFF 610 001.

INVESTMENTS FOR TODAY AND TOMORROW

1 session

Saturday, October 25 • 8:30 a.m.-3:30 p.m. • Instructors: Patrick O'Neill and Sharon Ramey • Fee: \$55.00

New investors, as well as experienced investors, will find this seminar informative and interesting. Three local experts will look at a variety of investment possibilities. The basic investments of money market funds, CDs, IRAs, mutual funds, bonds and annuities will be discussed. A real estate expert will look at real estate as an investment. We'll consider how and why to buy a rental property and the use of partnerships and trusts in

property investments. A stock broker will discuss speculative, high-risk investments such as emerging growth stocks, options trading and speculative common stocks.

The three presenters are a real estate investment expert, Patrick O'Neill, an investment advisor with Prescott, Ball & Turben, and Sharon L. Ramey, a broker with Smith, Hague & Co., Inc. IFF 520 001.

COPING WITH THE TAX LAW CHANGES

1 session

Tuesday, October 28 • 6:30-9:30 p.m. • Instructor: Kenneth Lindow • Fee: \$30.00

This workshop will include a review of the latest tax law changes or proposed law and dates when these changes will become effective. Various tax law changes which apply to individuals will be examined in detail. Also, areas of the new law will be reviewed with the objective of planning to obtain the maximum benefit out of the new law. Kenneth Lindow is a certified public accountant, specializing in taxes and a partner of Hoag, Lindow and Company. IF 635 001.

BASIC INVESTING — STOCK MARKET

3 weeks

Beginning Tuesday, November 11 • 7:30-9:30 p.m. • Instructor: Sharon Ramey • Fee: \$50.00

Get in tune with the market. Develop your own stock market strategies, doing basic fundamental and technical analysis, margin buying, short selling, options trading and market timing techniques. Sharon Ramey has conducted numerous financial seminars, is a Registered Options Principal and is a broker with Smith, Hague and Company, Incorporated in Ann Arbor. IFF 580 001.

YOUR WILL AND ESTATE

1 session

Thursday, October 9 • 7:00-9:00 p.m. • Instructor: Gary Allen • Fee: \$20.00

Learn the advantages and disadvantages of wills, trusts and guardianships. This is a practical approach to deciding if you need a will and how much it costs. Learn what is involved in the role of personal representative, guardian, or conservator of an estate and the management of that estate. The instructor, Gary Allen, is a practicing attorney and has taught many seminars on this topic. IFF 545 001.

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WOMEN'S RESOURCES

Seminars and workshops that respond to the needs and interests of the contemporary woman. Facilitators and instructors are professionals sensitive to the unique demands placed on women in school, on the job and in the home.

FACING OUR FUTURE

1 session

Saturday, September 27 • 9:00 a.m.-4:00 p.m. • Instructors: June Gottlieb and Susan Weiner • Fee: \$55.00

An education-for-aging program for mid-life women. By the time women reach the age of 65, it is too late to inform them of changes they might have made 10, 20 or 30 years ago. Preparing for mid-life choices and for a secure, healthy and independent old age should begin as early as possible. This one day seminar is built on a new concept: the active involvement of women in their 30s, 40s and 50s in learning about and planning for the second half of their lives. Through guided discussions and group activities, a supportive environment will be created in which women can work together to examine issues on health, finances, education, employment and emotional concerns. This program will help promote positive attitudes about women and aging and focus on bringing about beneficial changes. Lunch is included in the price.

The facilitators for this program, June Gottlieb, MSW and Susan Weiner MSW, have been practicing psychotherapists since 1974 and are partners at Tapestry Counseling Center in Ann Arbor, MI. They have had many years of training and workshop experience in helping women discover and develop their inner strengths and capabilities in order to gain a much stronger sense of self and pride in their womanhood. WOS 685 001.

COMMUNICATION AND MANAGEMENT SKILLS FOR THE WOMAN SUPERVISOR

4 sessions or individual sessions

Thursdays beginning October 2 • 7:00-9:00 p.m. • Instructor: Jacqueline Allen • Fee: \$50.00 for all four sessions; \$15.00 per individual session

This four session offering will provide participants with essential information and skills that are vital to effective leadership. Students will learn how to deal with difficult employees, why the changes in women's work roles demand new supervisory skills, how to communicate effectively with people at all levels of the organization and how to establish effective teamwork. Sessions will be taught by Jacqueline Allen, M.A. WOS 675 001 (all 4 sessions).

Session I: **CHANGES IN WOMEN'S WORK ROLES** 1 session
 Thursday, October 2 • 7:00-9:00 p.m. • Instructor: Jacqueline Allen, M.A. •
 Fee: \$15.00

This session will deal with what the culture expects of women in their work role. It will allow participants to analyze their supervisory role and individual leadership style. Instructor: Jacqueline Allen, M.S. WOS 676 001 (individual).

Session II: **EFFECTIVE COMMUNICATION SKILLS** 1 session
 Thursday, October 9 • 7:00-9:00 p.m. • Instructor: Jacqueline Allen •
 Fee: \$15.00

This session will focus on the art of clear communication and getting people to open up to you. Instructor: Jackie Allen, M.A. WOS 676 002 (individual).

Session III: **WORKING WITH DIFFICULT PEOPLE** 1 session
 Thursday, October 16 • 7:00-9:00 p.m. • Instructor: Jacqueline Allen •
 Fee: \$15.00

The content covered in this session will be dealing with resistance, building trust and credibility and establishing the win-win environment. Instructor is Jacqueline Allen, M.A. WOS 676 003 (individual).

Session IV: **BUILDING TEAMWORK EFFECTIVENESS** 1 session
 Thursday, October 23 • 7:00-9:00 p.m. • Instructor: Jacqueline Allen •
 Fee: \$15.00

This session will include managing conflict, decision making and problem solving. Participants will also learn how to motivate employees. Jacqueline Allen is the instructor. WOS 676 004 (individual).

PERSPECTIVES IN HEALTH NUTRITION AND WEIGHT LOSS 6 weeks

Tuesdays beginning October 7 • 1:00-3:00 p.m. • Instructor: Susan Weiss • Fee: \$85.00

Participants will explore the principles of nutrition and sensible weight loss. They will learn to separate facts from fads and fallacy concerning fat. Class will be taught by Susan Weiss, M.S., local nutritionist. WOS 645 001.

WOMEN'S COMMUNICATION STYLES 2 weeks

Wednesday beginning October 15 • 3:00-5:00 p.m. • Instructor: Charlotte Hanson • Fee: \$40.00

Men and women communicate differently. This two session seminar will enable participants to recognize these differences. Participants will learn how to make use of the communication strengths characteristic of women and avoid those styles which may be inhibiting progress and credibility. Participants will acquire basic preparation skills that lead to self confidence in making a presentation or chairing a meeting. This seminar will be taught by Charlotte Hanson, Washtenaw Community College speech instructor. WOS 680 001

INTRODUCING THE COMPUTER:

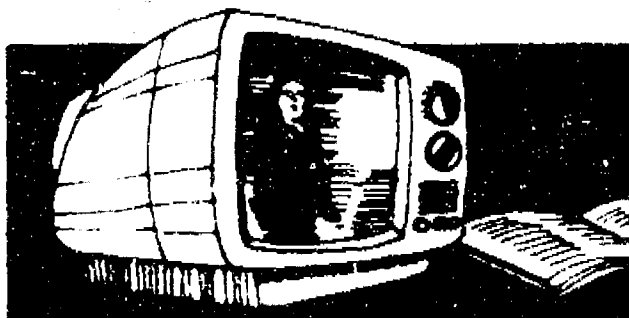
A WORKSHOP FOR WOMEN 1 session

Saturday, November 8 • 9:30 a.m.-3:30 p.m. • Instructor: Susan Van Hattam • Fee: \$45.00

If you are intimidated by computers and you'd like to change that, this class could be the ticket. No computer experience necessary; we'll start with the basics. In the morning, you'll learn some of the lingo and get your feet wet using a tutorial on the computer. In the afternoon, you'll be guided through a session with two popular software packages, a word processor and a spreadsheet. Susan Van Hattam, WCC computer instructor, is the presenter. Lunch is provided. WOS 555 001

WASHTENAW COMMUNITY COLLEGE . . . On Television

"What is a Telecourse?" Washtenaw Community College offers regular college courses that may be viewed at home for college credit. Registration for telecourses is completed in the same manner as all other academic credit classes. Call 973-3548 for specific daily hours.



PSY 100. Introductory Psychology
 "Understanding Human Behavior"

SOC 100. Principles of Sociology
 "Focus on Society"

BUS 140. Introduction to Business
 "The Business File"

CIS 100. Introduction to Computers
 "The New Literacy"

EC 111. Consumer Economics
 "Money Puzzle"

MGT 208. Principles of Management
 "Business of Management"

Telecourse Schedule

Telecourses are aired over WTVS/Detroit, Channel 56; WKAR/Lansing, Channel 23; WFUM/Flint, Channel 28; and area cable network stations. For current airing times, call the TELECOURSE HOTLINE (973-3671) and leave your name and address. A schedule will be mailed to you.

Telecourse Orientation

All NEW Telecourse students will be required to attend a Telecourse Orientation (this is different from the New Student Orientation).

Telecourse Orientation
 will be held on
 Wednesday, September 3, 1986
 at
 11:00 a.m. to 12:00 noon
 or
 6:00 p.m. to 7:00 p.m.

All students must attend a **First Class Meeting** with their instructor. At these meetings you will receive valuable information on how to continue in the telecourse program. Periodic on-campus meetings will be scheduled with your instructor throughout the term.

TELECOURSE HOTLINE (973-3671)



DETACH AND MAIL

ENROLLMENT COUPON
CONTINUING EDUCATION SERVICES

Washtenaw Community Services
4800 East Huron River Drive • P.O. Box D-1 • Ann Arbor, Michigan 48106

Check or money order made payable to Washtenaw Community College for Seminar/Workshop. Fee must accompany coupon.

LAST NAME	FIRST	MIDDLE	SOC. SEC. NO.	HOME PHONE	
MAILING ADDRESS—NO. & STREET		CITY	ZIP CODE	WORK PHONE	
WORKSHOP NAME			DATE	TIME	FEE

**WASHTENAW COMMUNITY
COLLEGE**

NEW STUDENTS ONLY

This application cannot be processed unless accompanied by a \$10.00 application fee. This fee is non-refundable and is assessed one time only.

1. Social Security No.

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 RK 105
PLEASE BE ACCURATE. THIS BECOMES YOUR STUDENT IDENTIFICATION NUMBER.

2. Name _____ ☐ Female ☐ Male
(Please print) RK 106-Last First Middle/RK 107 Maiden RK 111

3. Date of Birth _____ / _____ / _____ Age _____ Place of Birth _____
RK 110-MTH DAY YEAR

4. Permanent Address _____
RA 662-Number and Street RA 663-City RA 664-State RA 665-Zip Code County

5. Mailing Address _____
RA 672-Number and Street RA 673-City RA 674-State RA 675-Zip Code County

6. Home Phone (_____) _____ Mailing Address Phone (_____) _____
RA 667 RA 677

7. In case of emergency, whom may we contact?
Name _____ Telephone Number (_____) _____
RA 669 RA 667

8. How long have you lived in Washtenaw County? _____

9. Veteran? Yes ☐ No ☐ U.S. Citizen? Yes ☐ No ☐ If on a visa, indicate type _____

This application is for: Fall 19 _____ Winter 19 _____ Spring/Summer 19 _____

Please check one: ☐ Former Student ☐ New Student

Last semester in attendance at Washtenaw Community College

10. Ethnic Group (Optional): ☐ American Indian/Alaskan Native ☐ Black, Non-Hispanic ☐ White, Non-Hispanic
☐ Hispanic ☐ Asian/Pacific Islander ☐ Non-Resident Alien ☐ Other (describe) _____

11. What will be your major at Washtenaw Community College?

Health Occupation Applicants: Anticipated date of entrance to program:

All students are accepted for general admission. Acceptance to the Allied Health programs is granted after approval by the appropriate area. An additional notification will be sent to the students accepted for those programs.

12. List most recent high school and ALL colleges you have attended**

Name of School	City/State	Dates of Attendance	Graduation Date
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*If you plan to receive a certificate or degree from Washtenaw Community College or are receiving Veteran's benefits, please request an official transcript from all colleges attended. If you wish to have a transfer credit evaluation prior to the start of classes, official transcripts must be received by the application deadline.

13. List FULL-TIME employment within the past year:

[illegible]

I certify that the information given on this form is correct and complete to the best of my knowledge. It is understood that tuition charges are subject to adjustment should it be determined that the information set forth is incorrect.

Signature _____ Date _____

It is the policy of Washtenaw Community College not to discriminate on the basis of sex or race in admissions, employment or in the operation of any educational program or activity. Any inquiries should be directed to our Title IX Coordinator. (See current Schedule of Courses for name and location.)

over

FOR OFFICE USE ONLY

Term Of App.	Adm.	Class	Res.	Area	Program	High School	Grad	Term Of Adm.	Previous College	Country	State	Country	Cn	Adv.	Cisf	Survey	K.P.
RK 251	RK 256	RK 184	RK 119	RK 255	RK 258	RK 270	RK 271	RK 254	RK 261	RK 118	RK 117	RK 116	RK 142	RK 141	RK 267	RK 113	A.L.
1	FFT CGD	FR GO	I					1					Q	H1 M4	NEW	1	H.O.
2	JCX GED	SO GU	O	OE				2					S	H2 M6	REA	2	
3	SCX HSN	MS	S					3					V	H3 M9	CON	3	D.H.
	MSO EMM		C	GE	RK 188			4						H4 N1		4	
	ART STF							5						M1 N2		5	F.B.
														M2 N3		6	
														M3 R1		7	T.D.

Financial Aid Application
WASHTENAW COMMUNITY COLLEGE
Financial Aid Office
(313) 973-2623, 524
P. O. Box D-1
Ann Arbor, Michigan 48106

PLEASE PRINT LEGIBLY

Name _____ Social Security Number _____
 Street Address _____ Birth Date _____
 City _____ Phone _____
 State and Zip _____ Marital Status _____
 Area of Study _____ Sex _____ Race _____

Have you ever been enrolled in any college or university, including Washtenaw Community College? ☐ Yes ☐ No

If you have, please list below the information required for each college or university, **INCLUDING WASHTENAW COMMUNITY COLLEGE**.

Colleges or Universities	Dates Attended		Type of Aid	Hours Completed
	From	To		

Are you enrolling as a regular student in a program which leads to a Certificate, Associate Degree or entering a Transfer Program? ☐ Yes ☐ No

If yes, what type? ☐ Certificate ☐ Associate ☐ Transfer Program

Do you have or will you have a college degree by September 1, 1986? ☐ Yes ☐ No

If yes, what type? ☐ Associate ☐ BA or BS ☐ Masters

Selective Service Compliance

- ☐ I certify that I am not required to be registered with Selective Service, because... (check one reason)
- ☐ I am a female
 - ☐ I am in the Armed Services on active duty. (Note: members of the Reserves and National Guard are not considered on active duty)
 - ☐ I have not reached my eighteenth birthday
 - ☐ I was born before 1960
 - ☐ I am a permanent resident of the Trust Territory of the Pacific Islands or the North Marianna Islands
- ☐ I certify that I am registered with Selective Service

Warning: Willful falsification or misrepresentation of information given to the Office of Student Financial Aid in connection with my application for and receipt of financial aid shall be subjected to disciplinary action by the College or the federal government.

I certify that all statements on this application are correct and complete to the best of my knowledge. I will promptly inform the Office of Student Financial Aid of changes in my need for assistance or resources. I authorize the Office of Student Financial Aid to discuss my application and my financial situation with public or private agencies also considering me for financial aid. I agree to provide additional information to the Office of Student Financial Aid which is necessary for the evaluation of my application for financial aid, if requested, including income tax forms of 1985 and/or 1986.

Signature _____ Date _____

In order to be considered for financial aid, the student must complete a Financial Aid Form (F.A.F.) from College Scholarship Service. These forms are available at the Financial Aid Office at Washtenaw Community College. If you wish us to send this form to you please check this box ☐.

FINANCIAL AID PROGRAMS

(PELL) Grant. This program provides direct student grants up to approximately \$1500 for students attending Washtenaw Community College. Students are eligible to apply if they expect to carry at least six (6) credit hours per semester. A Financial Aid Form or a Federal Student Aid Application must be completed and processed which usually takes eight weeks. The student will receive a Student Aid Report (SAR) which he/she takes to the Financial Aid Office to determine the amount of the grant. Applicants wishing consideration for the academic year must apply prior to March 15 of that academic year.

Supplemental Educational Opportunity Grant Program (SEOG). The SEOG provides funds to supplement self-help resources such as loans and work for those who have greatest financial need. Students are eligible to receive SEOG funds only after all other resources of aid have been exhausted for that individual and if the student would otherwise be unable to attend the institution without the grant aid. The grant can meet up to one-half the student's financial need (up to \$2000).

College Work-Study Program (CWS). The CWS program provides jobs for students with financial need for up to twenty hours per week on the WCC campus. This "earn-while-you-learn" program helps provide many students with the financial resources to pay for the direct and indirect expenses necessary for attending college.

Trustees Awards (TA). Trustee Awards are grants made available by the Board of Trustees of Washtenaw Community College to assist students with financial need who may not be eligible for other types of financial assistance or who do not receive enough assistance from other sources to meet their entire financial need for the year.

High School Honor Scholarships. One honor scholarship is available to each Washtenaw Area High School. Selection of a recipient is based on a student's academic performance and high school activities and honors. The non-renewable scholarship is for tuition and books for fall and winter semesters. Applications are available on February 1 from the Financial Aid Office or from any Washtenaw Area High School.

Community Honor Scholarships. These scholarships are offered by Washtenaw Community College for fall and winter semesters and include the cost of tuition and books. Only residents of Washtenaw County are eligible and selection will be based on grades, vocational goals, and contributions to a student's community. Applications are available from the Financial Aid Office on February 1 and selection of winners will be completed by June 15.

Start-Up Scholarships. Washtenaw Community College offers a limited number of these scholarships to needy first time Washtenaw County students. The scholarship is limited to part-time students and the maximum amount of aid is for five credit hours. The scholarship can be renewed if the students maintain a 3.5 G.P.A.

Emeritus Scholarships. This scholarship is for retired persons over the age of 60. The scholarship will provide free tuition to all individuals who meet the above criteria.

President's Honor Scholarships. Washtenaw Community College will provide a complete tuition scholarship to the first 5 students from each Washtenaw Area High School who apply and have maintained a 3.50 G.P.A. or better on a 4.0 scale in high school. These scholarships are available only to graduating seniors. If students maintain a G.P.A. of 3.0 and complete 24 credit hours during their freshman year the scholarship can be renewed for an additional year.

Departmental Scholarships. This scholarship program is designed to provide recognition to the academic departments. Candidates for this non-renewable scholarship which is for tuition and books for the fall and winter semesters will be selected on the basis of grades and need. Candidates must live in Washtenaw County and an emphasis on the adult student who is returning to campus will also be considered in the selection process.

Guaranteed Student Loan Program (GSL). This program provides loans to students through lending institutions such as banks and credit unions. Application forms are obtained directly from a lending institution. The student must complete the GSL application and submit it to the Financial Aids Office for verification. Students can apply for up to \$2500 per year, not to exceed \$12,500 at the undergraduate level. Interest rate for new borrowers is 8%.

State Direct Student Loans (SDSL). This loan program offered through the State of Michigan is available to students who have been denied Guaranteed Student Loans from their bank. Interest rate is 8% for new loans. Students are eligible for up to \$2,500 per year.

Michigan Higher Education Competitive Scholarships (MHEAA Scholarships). The State Scholarship Program currently measures academic potential on the basis of performance on the ACT Exam. Applicants with qualifying academic credentials are screened on the basis of financial need and other program requirements. Those found eligible may receive up to the amount of demonstrated need, or the amount of tuition at WCC. Awards are annually renewable for up to eight (8) semesters or twelve (12) terms of study.

WCC Deferred Tuition Loans. Deferred tuition loans are available to defer tuition payments for one month after the semester begins. A down payment must be made at the time of registration. Students must be able to demonstrate the ability to repay the tuition loan. Applications are available during the registration period at the Financial Aid Office.

Bulletin 1986
Washtenaw Community College
4800 East Huron River Drive, P.O. Box D-1
Ann Arbor, Michigan 48106

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at Ann Arbor, Michigan

