

QUOTE

"Laziness. Unwarranted repose of manner in a person of low degree." -Ambrose Pierce

# The Chelsea Standard

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ONE HUNDRED-FIFTEENTH YEAR - No. 44

CHELSEA, MICHIGAN, WEDNESDAY, APRIL 2, 1986

20 Pages This Week



WHERE TO GO IN CASE OF A TORNADO was the subject of a project for some of Jan Tallman's advanced drafting class at Chelsea High school recently as students, using an Apple computer and a plotter, drew maps of each school building indicating which rooms to go to in case a tornado is in the area. They used information

supplied by a structural engineer. In the front row, from left are senior Ty Anderson and junior Jeff Harvey. In the back row, from left, are senior Dave Jensen, Tallman, and senior David Dresschouse. The maps will be displayed in each building for students to refer to.

## Warm Spring Weather Brings Repair Work on Streets, Roads, Sewers

Unusually warm and dry weather, including record high temperatures last Saturday, gave Michiganians a taste of early summer the last week of March.

Virtually every day last week and early this week high temperatures approached daily records.

For students and parents the good weather couldn't have come at a more opportune time as spring break runs through this week. Often this time of year children have to be cooped up indoors.

The good weather has been a blessing for Chelsea village workers. More than 50 trees, including ash and crimson maple, have been planted around town. Now, Bud Hafner, public works superintendent, says he's praying for rain.

"Normally when we plant this early lack of rain isn't a problem," he said.

Hafner's crews have also been able to get the street sweeper through most of the village, which usually doesn't happen this time of year.

Most pothole repair is also complete around town.

Hafner said the village may be able to start the 900-foot sewer overhaul on W. Middle St. about the third week of this month since the ground is not likely to be frozen.

Hafner reported that village residents are clearing limbs and other debris from their yards a little earlier, keeping village crews busy.

Washtenaw County Road Commission workers have also begun grading and shoulder work a little earlier than usual, according to Mike Anderson, deputy managing director of the commission.

"We've come out of the spring road break-up a little faster," Anderson said.

Anderson also reports that the good weather is helping to hold down county road winter maintenance costs, which, at \$1,043,403, are 21 percent higher than the winter of 1984-85.

And, if you've driven in the countryside lately, you must have noticed that most wonderful smell of all manure on the fields. It won't be long before

those fields are plowed and crops in the ground.

For the farmer on a smaller

scale, Good Friday was perfect for planting peas as you live by the old adage.

## Four File for Two School Board Seats

Four candidates have filed petitions for the two Chelsea School Board seats that will be voted upon in the June 9 school elections, according to Assistant Superintendent Fred Mills, who is also the election supervisor.

As many as six others are expected to turn in petitions by the deadline this Monday, April 7 at 4 p.m., Mills said.

The four who have filed petitions for the four-year terms include: Craig L. Wales, 58 Chestnut St., a five-year Chelsea resident and conservation officer with the Department of Natural Resources;

Leonard K. Kitchen, 13450 Jerusalem Rd., a partner in the Dexter law firm of Kitchen & Mollison;

Robin Raymond, 217 Harrison St., former Chelsea High school teacher and basketball coach;

Robert Kinel, 1565 Dancer Rd., a computer and math teacher at Community High school in Ann Arbor.

"It's a nice reflection on our school system to have so many people who want to run," Mills said.

It's a stark contrast to last year when Ron Satterthwaite ran

unopposed for the only seat up for election.

Board President Dale Schumann and Ann Feehey, the incumbents, have served 18 years between them. Neither has decided to seek re-election.

Nominating petitions, which may still be packed up at the administration building at Chelsea High school, require the signatures of a minimum of 20 registered voters within the school district.

The school district includes all of Sylvan township, parts of Luma, Lyndon, Dexter, Freedom and Sharon townships in Washtenaw county, and parts of Waterloo and Grass Lake townships in Jackson county.

Anyone registered to vote in general elections in those townships is also registered to vote in school elections provided that person also lives within the district.

Deadline for new voter registrations is 5 p.m. Monday, May 12. Potential voters may sign up with their township clerks or at any secretary of state branch office.

Absentee ballots will also be (Continued on page two)

## CHS Music Students Score in State Festival

Ten Chelsea High school musicians took part in the State Solo and Ensemble Festival sponsored by the Michigan School Band and Orchestra Association March 21 at Eastern Michigan University.

All Chelsea participants received either first or second division ratings. They were judged on both prepared works and sight reading.

Participants qualified for the state festival based on their performances at the district festival held in February.

Based on her performance, junior cellist Kathy Jorgensen was selected to participate in the Youth Arts Festival to be held at Western Michigan University in May. Jorgensen received a 35 out of a possible 100 points. The solo portion was worth 50 points, and performances on scales and sight reading were worth 25 points each.

"That's a heck of an accomplishment," said band director Bill Gourley. "The youth

festival tries to draw the top musicians in the state."

Other participants included freshman Mark Luick, division II euphonium solo; freshman Missy Check, division II flute solo; freshman Tim Mayer, division I french horn and piano solo;

freshman Anna Flincoff, division I french horn solo; sophomore Dana Stevens, division I violin solo; junior Maryam Bramkamp,

division II violin solo; Jorgensen, division I cello solo (Bramkamp and Jorgensen were also division I in a duet); juniors Jennifer Boughton and Kim Clutter, division I clarinet duet; and junior Denise Pratt, division I clarinet solo.

More than 3,000 high school musicians participated in the state festival, held at four locations throughout the state.

## Siren Will Test Weather Alert Plan

The downtown siren will be sounded tomorrow, April 3, at 10 a.m. for a few seconds to test the severe weather warning equipment.

In case of severe weather or some other disaster, the siren will be sounded for three to five minutes, said Robert Schaefer, Chelsea civil defense director, in that case residents should help immediately cover windows.

"This is now the procedure for all over the United States," he said.

## Dexter Township OKs Use of Revenue Funds for Roads

Dexter township's annual meeting was held Monday, March 24, with a total of 24 attending this year, including members of the township board.

Prior to the opening of the annual meeting, public hearings were held on the township budget, as well as on federal revenue sharing funds.

The township board proposed repeating their past practice of allocating funds from federal revenue sharing for road construction. The electorate agreed with the decision, and during the annual meeting, the idea was approved, although no contract has yet been signed with the Washtenaw County Road Commission.

Proposals for road construction during the coming year were submitted in writing at the March 4 township meeting for the board's study, and township supervisor James Drolett explained the township actually is considering more construction than originally proposed by the commission.

"As federal revenue sharing funds for small units of government decreases across the nation, state revenue sharing funds are increasing for Michigan units," Drolett said.

The electorate approved a resolution allowing the township to purchase or sell land during the coming year.

The township may require property in the future for a cluster sewer system being considered.

Discussion on contracting for additional police protection for the Base and Portage Lake area of the township included unions expressed both for and against the plan, although the township supervisor explained the favoring the plan outnumbered the others approximately two to one.

The township budgeted \$3,000 to contribute to the restoration of the Chelsea Courthouse, which houses 14th District Court A-3.

Some of those attending the meeting felt the township should not be burdened with assisting on the restoration funding, but others agreed the Chelsea court facility does serve Dexter township needs.

A pledge of \$3,000 for each of three years, beginning this year has been made by Dexter township.

Salaries for township elected officials were boosted slightly as a five percent increment was added to the salaries of the supervisor, clerk, treasurer and township trustees for the year just starting.

Elected officials and their salaries, including the raises voted by the electorate at the annual meeting, are: supervisor, \$11,025 (from \$10,500); clerk, \$8,400 (from \$8,000); treasurer, \$11,550 (from \$11,000); trustees, \$52.50 per month (from \$50 per month).



STATE SOLO AND ENSEMBLE participants from Chelsea High school all received either first or second division ratings. The festival was held Saturday, March 22 at Eastern Michigan University. In the front row, from left, are Mark Luick,

Tim Mayer and Anna Flincoff. In the back row, from left, are Dana Stevens, Maryam Bramkamp, Kathy Jorgensen and Jennifer Boughton. Not pictured are Kim Clutter, Denise Pratt and Missy Check.

## Library Closing For Remodeling

McKune Memorial Library trustees have announced the closing of the library from April 7 through April 12, to allow for the first phase of a remodeling project. An additional closure period will be necessary sometime in April for phase two of the project.

Remodeling will include removal of the existing hot water boiler system and installation of two new forced-air heating

plants. In addition, central air conditioning will be installed.

This project is expected to save the library significant expense in maintenance and operation over the existing system. It will also provide greater comfort for patrons during the winter heating and summer cooling seasons.

Library material due the week of April 7 will now be due the week of April 14. No fines will be charged for that week.



JERRY HERRICK puts the finishing touches on one of 10 trees planted last week-end at the Chelsea Fairgrounds. The trees were donated by

fair board member Jim Dault, who dug them up from his property.

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**JUST REMINISCING**  
 Items taken from the files of The Chelsea Standard

**4 Years Ago . . .**  
 Tuesday, March 26, 1982—

Hell Creek broke loose March 26 when the 125-year-old Hell Creek dam crumbled against the weight of floodwaters, forcing the evacuation of 15 to 20 families from their flooded trailer court. The dam, planned to be replaced later this spring, gave way, taking with it the walkway that crossed it and part of the shoreline.

Area township boards held their annual meetings to determine their 1983 operating budgets. Overall, this year's meetings seemed to indicate a "tightening of the financial belt," providing necessities and cutting out any unnecessary excess in spending.

Chelsea State Bank played Ann Arbor Centerless March 28 and won Chelsea's men's recreational elimination basketball tournament championship with a score of 106 to 85. High scorer for CSB was Randy Guenther with 35 points while Bob Ruemerschneider led Ann Arbor Centerless with 27.

Chelsea High school's baseball team began the season with one week of baseball school and camp at Ft. Lauderdale, Fla. Competing for pitching duties will be Ron Sweeney, Wayne Welton, Tim VanSambrouck, and Dave Lukasiak. Outfielders are Joe Aspiranti, Steve Flint, Jeff Daniels and Steve Siebert. Behind the plate will be either Ralph Stewart or Mike Nadeau. Infielders consist of John Mann, Dan Bohann, Randy Brier and Todd Sprague.

**24 Years Ago . . .**  
 Thursday, March 28, 1962—  
 The Rev. M. W. Brueckner, who served as pastor of Zion Lutheran church from 1936 until his retirement in 1965, will be the guest of honor at a party to be held Wednesday evening in the parish hall in observance of his 85th birthday.

Seventh grader Janice Koengeter, daughter of Mr. and Mrs. Karl Koengeter, became Chelsea Junior High school spelling champion when she correctly spelled the word "pantomime," which was missed by the runner-up, eighth grader Robert Brooks.

Ralph Guenther was given special recognition at the 21st annual convention of the Professional Photographers of Michigan by having his print of Randy Musbach and his "black eye" chosen for exhibition during the convention.

**14 Years Ago . . .**  
 Thursday, March 26, 1972—  
 Chelsea area churches will start to celebrate Holy Week this week with Maundy Thursday services—the annual memorial of Jesus' Last Supper with His disciples, the institution of the Holy Eucharist, or Communion in some churches.

It was formerly the custom in churches of western Christianity for nobles and kings to wash the feet of the poor and give them money. This survives to a modified form at Westminster Abbey.

**WEATHER**  
 For the Record . . .

	Max	Min	Prev.
Wednesday, March 26	56	30	6/13
Thursday, March 27	48	24	0/80
Friday, March 28	74	36	0/80
Saturday, March 29	78	37	0/80
Sunday, March 30	80	49	0/80
Monday, March 31	72	42	1/80
Tuesday, Apr	54	41	0/80

Spring-like weather brought the usual rash of rubbish and grass fires in the area and kept Chelsea firemen busy Sunday.

(Continued on page four)

*The Importance of Planning*

It is only natural to put things off, but proper planning can spare a family traumatic decisions and financial burdens in the event of one's death. Pre-arranging a funeral may seem a difficult task, but there can be peace of mind for an individual who knows his or her wishes will be followed. For more information and guidance in funeral pre-arrangement . . . why not visit us or write for your FREE Pre-arrangement Booklet.

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 H. Warren M. Hoyt, Secretary, Michigan Press Association

**Group Orders "Back-Weighted" Divestiture**  
 Divestiture of pension fund investments in South Africa-related companies should be weighted toward the end of a five- or seven-year period, rather than in equal yearly installments, and the general fund should guarantee any losses, Governor James J. Blanchard's Commission on South African Divestiture reported.

The commission, asked in October to make a report in 30 days, also included in its final report a third option favored by one member to only divest investments in companies so adhering to the highest levels of the Sullivan principles against apartheid.

Blanchard will probably favor a five-year phased divestiture, treasurer Robert Bowman commission chairman, said, even though costs of a seven-year plan are lower.

But, he said a five-year plan would make a stronger statement against the apartheid system. The governor's 10-point anti-apartheid policy announced in August—two involving divestiture—did not make allowances for companies signing the Sullivan principles.

Bowman said, however, that rather than make a specific recommendation, the governor would "try to get a sense of where the Senate is and try to make some kind of an accommodation."

The Senate Economic Development, Trade and Tourism Committee has under consideration House-passed bills for a five-year divestiture.

Total divestiture at this time would affect about \$3.3 billion in 35 companies, of the 75 company stocks held by five pension systems.

A Sullivan principle-based divestiture would omit 13-15 of those, Bowman said.

Consultants hired by the commission estimated divestiture costs would be \$23 million over a five-year period or \$16.4 million over seven years, not Bowman

said that analysis is outdated because of the "highly-volatile" stock market.

He said the value of all pension fund investments has grown by \$1 billion since last fall's portfolio which was the basis of the estimate. The commission recommended any costs be covered first from investment gains due to divestiture and then from general state funds. It urged an annual review of actual costs.

The commission recommended "back-weighted" divestiture where, for instance, 10 percent of the divestment would occur the first year, increasing each year until the last 30 percent would be divested in the fifth year.

Bowman said that would permit companies headquartered or providing substantial employment in Michigan to be exempted from divestiture until the latter stages, and permit dismantling the policy without divesting large portions of stock if apartheid is dismantled or companies remove facilities. And, he said costs would be lower in the initial years.

Michigan Manufacturers Association President John Thodis, an opponent of divestiture, insisted on the Sullivan-based divestiture policy alternative and did not support the five- or seven-year options.

The Sullivan exemption would drop losses to about \$2.7 million, he said, minimizing the impact to pensioners and taxpayers.

The Sullivan principles and the companies supporting them are in the forefront of efforts to end the system of apartheid," he said, adding continued support of these companies will contribute more to ending the system than would divestiture.

Eight other anti-apartheid policies of the governor are either in place or will be very quickly, Bowman said.

They include such things as ceasing to do business with financial institutions dealing in Kruggerand gold coins and using

common stock voting rights to press for withdrawal of companies from South Africa.

**St. Jude's Bike-A-Thon Set May 10**  
 The Central Regional Office of St. Jude Children's Research Hospital announced today that Dallas Akers has agreed to chair the St. Jude Children's Research Hospital Bike-a-Thon in Chelsea. The event will be held May 10 at a yet-to-be-specified location.

St. Jude Children's Research Hospital was founded by entertainer Danny Thomas. The institution opened its doors to the public in 1962 to combat catastrophic diseases which afflict our children. St. Jude Hospital is non-sectarian, non-discriminatory, and provides total medical care to over 4,200 patients.

At St. Jude, scientists and physicians are working side by side seeking not only a better means of treatment, but also the causes, cures and prevention of these terrible killers.

All findings and information gained at the Hospital are shared freely with doctors and hospitals all over the world. Thanks to St. Jude Hospital, children who have leukemia, Hodgkin's disease, sickle cell anemia, and other child-killing diseases now have a better chance to live.

The Bike-a-Thon program is dedicated to "Jamie." Jaime is from Ohio and was diagnosed with leukemia in May of 1983, and began treatment at St. Jude Children's Research Hospital. Today, her cancer is in remission and she is doing quite well. Jaime is a living example of the progress and success of the research, patient care, and educational programs of this internationally recognized Hospital.

We sincerely appreciate the concern that Akers has for our work, and we hope the citizens of Chelsea will support the Bike-a-Thon this Spring to help provide the funds that are needed to preserve the world's greatest asset . . . "Our Children."

**Uncle Lew from Lima Says:**

**DEAR MISTER EDITOR:**  
 It's hard to get away from the notion that the history of medicine is one of finding new ailments to cure. In recent years we have discovered, just to mention a few, new brands of flu, Legion and Oldtimer's disease, herpes, AIDS and PMS. And now comes a brand new one called NBI.

Ed Doerflinger brings a clipping to the session at the country store Saturday night that reports on the discovery, and he wrote down the name. It's neurologically behaviorally impaired. Ed told the fellers it has been identified and set apart from all other maladies, and it is the stuff national crusades are made of. Victims of this disease get their heads caught in escalators, bang their heads agin kitchen cabinets, turn over coffee cups in restaurants and hit the gas instead of the brake at stop signs. They are, Ed said, a menace to themselves and others. The big medical question right now, he went on, is whether NBI is inherited or caused by a rare imported virus. Since all victims eat there is some suggestion diet may be to blame.

One doctor that is researching NBI says a cause and cure has got to be found quick, Ed reported. The doctor says his working name for the ailment is the klutz syndrome, and he says a sure way to call attention to it is to deny driving privileges to suspected as well as confirmed victims. Nothing scares folks more or quicker than to tell em they can't drive a car, so the thinking is that once this move is made the battle lines will be drawn and plenty of money to fight the war will come in. Like all crusades, Ed explained, you got to set up two sides so one will have a way of knowing how it's doing.

One PR problem with NBI, Ed said, is that its signs look pritty close to clumsy. If we're going to try to set up NBI Reserch Institute and put in fer state and federal grants, we got to ferlig that word. One "natural clumsy" showing up in the literature would kill the crusade. Who, Ed wanted to know, is willing to give to wipe out clumsy in our lifetime?

General speaking, the fellers took Ed's report with spoons of salt. Clem Webster was of a mind that NBI has at least as much chance as the metric system. Clem had saw where the death of miles and pounds and the birth of liters and meters was announced in this country 11 year ago, and we're about as near a switch now as we were then. You see the signs, like MPH and KmH on the speedometers, but you don't see anybody getting a ticket for going 15 KmHs over the limit. You hear the temperature give on the radio in both scales, but you still think water freezes at 32 degrees.

Practical speaking, said Bug Hookum, all this line of talk shows is that old habits are hard to break. All we need for a reminder is Congress. Bug went on, them folks don't learn a blessed thing from one session to the next and they go through the same routines ever time.

Fer instant, Bug had saw where Congress don't have enough problems trying to pull outgo and income a little closer together. The honorables are mulling over another proposal to cut down on campare spending and PAC money. They say a Senate seat now goes for \$3 million, and a win in the House has a half-million tag. All but them that's independent wealthy say they got to have help. Besides, one feller noted last week, any system that can elect people of our quality can't be all bad.

Yours truly,  
 Uncle Lew

**Handicapped Will Join in Fitness Run At Hudson Mills**  
 A Special Fitness Fun Run/Walk for 315 handicapped people from Washtenaw county will be held Friday, May 9 at Hudson Mills, Metropark in Dexter, beginning at 10:30 a.m.

The participants will range in age from 3-26 and are from schools all over the county. They have already begun to train for the event by walking or running three times a week.

The events are a three mile run, three mile walk, one mile run and one mile walk.

All participants are mentally impaired, and many have additional handicaps.

"We're trying very hard to get these people interested in their own physical well being," said Nancy Cooper, Chelsea High school special education teacher. 24 of the volunteers working will be from Boysville, a school in Clinton for delinquent youth. They have helped out with bowling and basketball tournaments, and winter sports activities.

**School Election Absentee Ballots**  
 (Continued from page one)  
 available on Tuesday, May 20 at the Chelsea High school office.  
 The election will be held at Beach Middle school from 7 a.m. to 8 p.m.

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**Baroque Concert Slated in Dexter**

An informal concert by a musical group known as Oriana will be presented in the sanctuary of St. Andrew's United Church of Christ, Sunday, April 6, at 3 p.m.

No admission charge will be asked. It's an event that is free to all, and both children and adults are invited to enjoy the musical program.

Featuring four musically talented individuals, the program will feature music from the baroque era, 1600-1750.

The musicians will be performing on instruments of that era or modern ones which are hand-crafted replicas of the originals.

The Oriana group has been together for three years, and Norma Cornhill, organist at St. Andrew's, joined the group this season. Others in Oriana include soprano Norma Gentile, Martha Stokely who will play a baroque oboe and Jill Seldstein playing a viola da gamba (similar to a cello out from a different instrumental family). Norma Cornhill will be at the harpsichord during the concert.

During the concert, selections by Johann Sebastian Bach will be featured. The concert also includes songs by composer Henry Purcell, an Oboe Sonata by Sammartini and an amorous Cantata by Handel. Another of the selections will be "A-Minor Prelude and Fugue."

The Oriana group will present a concert at Grand Valley College later this spring, and its members hope to gain some performance experience during the concert at Dexter on Sunday.

Please remember, children are particularly invited to accompany their parents to the musical event, request Oriana performers.

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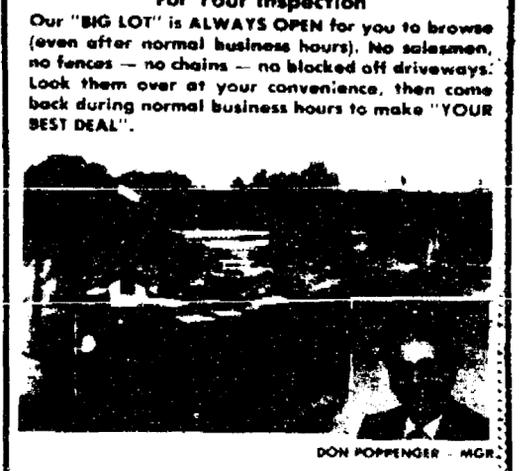
**Pinckney Girl Completes Law Enforcement Course in Air Force**  
 Airman 1st Class Angela M. Fowler, daughter of John F. and Sharon L. Fowler of 3690 Van Raden, Pinckney, has graduated from the U. S. Air Force law enforcement specialist course at Lackland Air Force Base, Tex.

Graduates of the course studied general law enforcement duties, tactics, weapons training, physical apprehension and restraint and earned credits toward an associates degree in applied science through the Community College of the Air Force.

She is a 1985 graduate of Pinckney High school.

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1983 BUICK Skyhawk wagon, perfect size	\$5,495
1984 FORD Escort 4 dr., only 11,000 miles	\$5,995
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**BRIAR-LOVELACE:** Mr. and Mrs. Don E. Blair, 14353 Stoffer Ct., Chelsea, have announced the engagement of their daughter, Jenny Blair Briar to David L. Lovelace, son of Mr. and Mrs. Ronald L. Lovelace, St. Joseph, Mo. Briar is a graduate of Hagerstown High School, Hagerstown, Ind. and is employed by Great Lakes Federal Savings, Ann Arbor. Her fiancé is a graduate of Lakeshore High School and will graduate from the University of Michigan School of Business in May. A May 24 wedding is planned.

### Woman's Club Hears Address On Osteoporosis

Twenty-one Woman's Club members listened attentively as Julie Say spoke and showed a very well presented filmstrip on Osteoporosis at the meeting Tuesday, March 25.

Many events are still coming up for the club such as a trip to the Methodist Retirement Home, Marathon Bridge Dinner and their annual dinner to end the year.

New officers and a new budget will be voted upon at the annual business meeting, April 22.

Dorothy Montgomery and Linda Newhouse served as hostesses for the evening.

### German-Cothern Engagement Told

Mr. and Mrs. Robert German, 7081 Lakeshore Dr., Chelsea, have announced the engagement of their daughter, Susan, to Mr. Greg Cothern, of Chicago.

The future bridegroom's parents are Mr. and Mrs. Don Cothern, of Western Springs, Ill.

Miss German is a 1978 graduate of Chelsea High School and a 1982 graduate of the University of Michigan, where she was a member of the Alpha Phi sorority. She is employed by J. Walter Thompson advertising agency in Chicago.

Mr. Cothern is a 1978 graduate of Lyons Township High School and a 1983 graduate of the University of Illinois. He is employed at JMB Realty Corp. of Chicago.

A Sept. 13 wedding is planned.



**DUNN-FINGER:** Mr. and Mrs. John B. Dunn have announced the engagement of their daughter, Kathy L. Dunn to Arthur P. Finger, II, son of the late Mr. and Mrs. Arthur P. Finger of Jackson, at an intimate family dinner given at their home on March 22. The couple is planning a Sept. 6 wedding, and will reside in Ann Arbor.

### Alzheimer's Disease . . .

Alzheimer's Disease is a disorder of the brain which causes loss of memory or serious mental deterioration. In this disease, groups of nerve endings in the brain's outer layer degenerate and the passage of signals between cells is interrupted. The cause of Alzheimer's Disease is unknown, but much research is being done. Generally it affects people 65 or older.

Early symptoms are often attributed to other illnesses, but gradually the individual will become more forgetful. As memory loss increases, personality, mood and behavior changes may appear. Judgment, concentration, speech and coordination may be affected and some persons show restlessness, confusion and may require special assistance. Although in some cases there may be rapid decline, generally there are long periods with little change.

It is imperative that the patient be under medical care. Choose a physician who has the time and interest to closely monitor all treatment and answer questions. Other physical illnesses may complicate the course of the disease and require treatment.

Regular diet and exercise should be maintained. Medication such as tranquilizers can lessen agitation and anxiety. Depression, as well as unusual sleeping patterns, can be treated with special medications also.

Alcohol should be avoided because it can add to the patient's confusion. Regular daily living routines should be maintained for as long as possible.

The afflicted person will have, understandably, difficulty comprehending changes in thinking and behavior. Friends and family can be a source of comfort and the physician can be helpful by giving information and suggestions.

Because this disease can be so devastating, people have joined together to form support groups to share information, talk out frustrations and offer valuable tips. If you need the name of the support group closest to your area, contact the Alzheimer's Disease Association, 2115 Georgetown Blvd., Ann Arbor 48104.

#### Area Students Earn Degrees at MSU

Two area students received degrees from Michigan State University at fall term commencement.

Jeryl L. Herrick, 736 Glatzer Rd., received a master's degree in audiology and speech science.

Carol A. Skirchak, 4274 Burgess Rd., Pinckney, earned a bachelor's degree in accounting.

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### Health Center Offers Program on Healthy Hearts

Get ready for spring by attending a free Heart Day sponsored by Catherine McAuley Health Center on Saturday, April 12, in the Health Center's Education Center, 5301 E. Huron River Dr., Ann Arbor.

From 9:30 a.m. to 1 p.m. there will be lectures, discussions and displays about how you can "Keep Your Heart Healthy." Topics include coping with stress, diet and nutrition, new techniques and treatments for heart problems, identifying risk factors, the benefits of exercise and cardiac anatomy and physiology. Free blood pressure screenings will be offered.

The program is for persons of all ages regardless of whether they had heart problems. Refreshments will be served.

Heart Day is presented by CMHC's Cardiac Rehabilitation Program, Food and Nutrition Services and Office of Health Promotion, and Amicare Home Health Resources, an affiliate of CMHC.

Pre-registration is encouraged. For more information, call 572-3094.

### Manchester Youth Completes Air Force Basic Training

Airman Timothy D. Schuler, son of Harry D. and Gale A. Schuler of 1975 Sharon Valley Rd., Manchester, has graduated from Air Force Basic training at Lackland Air Force Base, Tex.

During the six weeks of training the airman studied the Air Force mission, organization and customs and received special training in human relations.

In addition, airmen who complete basic training earn credits toward an associate degree through the Community College of the Air Force.

He is a 1984 graduate of Manchester High School.

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### Senior Citizens Nutrition Program

Weeks of April 2-11

**MENU**

Wednesday, April 2—Fish chowder, egg salad on pita bread, beet salad, fresh orange, milk.

Thursday, April 3—Meatloaf with gravy, mashed potatoes, buttered carrots, apple crisp, milk.

Friday, April 4—Fiesta steak, winter-blend vegetables, muffin with butter, fruited Jell-O, milk.

Monday, April 7—Spaghetti with meat sauce, Italian-blend vegetables, tossed salad, fruit ice, milk.

Tuesday, April 8—Liver and onions, parsley buttered potatoes, peas and carrots, bread and butter, cinnamon applesauce, milk.

Wednesday, April 9—Pepper steak, rice, bright bean salad, bread and butter, dessert, milk.

**ACTIVITIES**

Wednesday, April 2—9:30 a.m.—Cards, break for lunch, play continues until 4 p.m.—pinochle; 4-and 6-handed euchre.

9:30 a.m.—Needlepoint, knitting and crocheting. Enjoy a cup of coffee and work on individual projects. New arrivals interested in needlework are welcome.

10:00 a.m.—Ceramics.

1:00 p.m.—Fitness.

1:00 p.m.—Bowling.

Thursday, April 3—9:30 a.m.—Cards.

9:30 a.m.—Needlework.

9-11:00 a.m.—Needlework group meets to make lap robes, slippers and ditty bags.

9:30 a.m.—Crafts.

1:00 p.m.—Needlework.

1:00 p.m.—Kitchen Band.

2:00-4:00 p.m.—Square dancing. Dorothy Hoffmeier from Ann Arbor is our instructor and caller.

2:00 p.m.—Walking.

Friday, April 4—Progressive euchre tournament is played each Friday morning with prizes for first high, second high, most lone hands and "booby prize" for low score.

9:30 a.m.—Cards.

9:30 a.m.—Needlework.

Saturday, April 5—7:30 p.m.—Card party.

### First Aid Emergency Training Offered

Spring is approaching and outdoor activities will soon be in full swing. Are you prepared to handle the first aid emergencies you may encounter. For example, burns, bleeding and poisoning.

Call the American Red Cross today and sign up for a First Aid class. Phone 971-5300.

Telephone your club news to 475-1371

**NOTICE**  
Concerning Washtenaw Community College's Spring/Summer Time Schedule:

The courses listed for the Spring/Summer semester at Washtenaw Community College can be found in today's paper. The Schedule gives you important information about the courses we plan to offer and the steps you need to take in order to enroll. Unfortunately, some typographical errors were accidentally omitted. Two of the courses, Writing I and II Text Editing, appear in the Schedule with some of their meeting times missing. Another class, Writing II, does not appear at all.

If you desire a complete listing of when these courses are offered, call (313) 973-3548 and ask our help staff to mail you a copy. Or, you may stop by our campus, at 4800 E. Huron River Drive, ask the staff at Registration or Enrollment Services about the missing meeting times. And, if you'd like to enroll in any of our other courses, too.

Washtenaw Community College  
4800 E. Huron River Drive P.O. Box D-1  
Ann Arbor, Michigan 48106  
973-3500

### Teen-Age Chemical Dependency Lectures Offered By Hospital

A series of free one-hour lectures on chemical dependency and treatment for adolescents will be presented at 7 p.m. Thursdays beginning April 3 in the Little Theater of Pioneer High School, 601 W. Stadium, Ann Arbor.

The series of four lectures will examine the signs and symptoms of adolescent chemical dependency, how the disease affects the family and the various treatment programs that are available. The first lecture will define chemical dependency and its symptoms and discuss the unique differences between the disease in adolescents and adults.

Presenters will include Neil Carolan, director of the Chemical Dependency Program at Catherine McAuley Health Center; Charles Gehrke, M.D., medical director of the Chemical Dependency Program at CMHC; and Kathleen Bishop, family counselor for the adolescent unit of Huron Oaks, CMHC's chemical dependency residential treatment program.

The lectures are co-sponsored by Catherine McAuley Health Center's Chemical Dependency Program and Ann Arbor Public Schools.

For more information, call 572-4300.

### Expectant Parent Class Slated at Pediatrics Center

Expectant parent classes are being held at the Chelsea Pediatric Center. Dr. Westhoff and her staff will be presenting information about the newborn and the family to parents in or beyond the sixth month of pregnancy.

Topics to be covered include: Preparing for the new baby, Breast vs. bottle feeding, Immunizations, Car seats, Health and sick care, Signs and symptoms of illness, Infant care, Changes in the family, Introduction to the practice of pediatrics.

Classes will be held on Wednesday evening, April 2 from 7 p.m. to 9 p.m. at the Chelsea Pediatric Center. There is no charge for the classes and registration would be appreciated. To register, please call 475-9175.

### Free Teen-Age Substance Abuse Lecture Slated

A free lecture on "How Does Substance Abuse Affect the Adolescent and the Family" will be presented from 7 to 8 p.m. Thursday, April 10, in the Little Theater of Pioneer High School, 601 W. Stadium, Ann Arbor.

The session will explore chemical dependency as a disease and will examine the family's involvement in the adolescent's illness.

This is the second of four lectures on chemical dependency treatment for adolescents being presented at West Middle School. The lectures are co-sponsored by Catherine McAuley Health Center's Chemical Dependency Program and Ypsilanti Public Schools.

For more information, call 572-4300.

### Red Cross Provides First Aid Stations For Special Events

Did you know the Washtenaw County Chapter of the American Red Cross provides First Aid Stations for more than 50 county-wide special events including the Ypsilanti Heritage Festival, the Ann Arbor Art Fair and the Chelsea Community Fair. Volunteers certified in CPR and First Aid techniques are needed. Please call 971-5300.

**The Anxiety Disorders Program at The University Hospital needs volunteers for a research study assessing the helpfulness of two medications in the treatment of Panic Disorders**  
(also known as Anxiety Attacks)

Some symptoms of Panic Disorders are sudden surges of fear accompanied by racing or pounding heart, chest discomfort, dizziness, shortness of breath, trembling and fear of going crazy or losing control.

Volunteers NOT CURRENTLY taking medication on a daily basis for nerves, anxiety or depression are needed. This study includes free diagnostic work-up, physical exam, and treatment to qualified persons.

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MELISSA SMITH, 8 years old, daughter of Michael and Clara Smith of Chelsea, has been judged winner in Jacobson's design a dress contest at their Spring Fashion Show. More than 100 entries were received from young people in the Ann Arbor area. These were sent to Ruth of Carolina (children's clothing manufacturer) to be judged. Melissa's design was chosen the best of the children's division. Ruth of Carolina made the dress in Melissa's size and presented it to Melissa March 14 at Jacobson's Spring Fashion Show. Her sisters, Michelle and Melody were also models in the fashion show. She is shown above with a representative of Ruth of Carolina.

# Parkers Corners Craftsmen 4-H Club Enters County Show

Several of the young men in the Parkers Corners Craftsmen 4-H Club participated in the Washtenaw County 4-H Spring Achievement Show at Ann Arbor Huron High, Saturday, March 22. Leaders Raymond Schairer of Dexter and Rodney Knieper of Chelsea announced eight of their club members entered wood-working projects in the annual spring show this year.

Included in the group were Dana Schmunk and Garrett Kern, both of the Chelsea area.

Dana, a first-year participant, won the Fingert Award for Apprentice Class after entering his tool box.

Garrett's project was a table lamp. He is a second-year participant and won the Fingert Award for Handyman Class.

Scott Schneider of the Dexter area competed for his fourth year. His table lamp won a special purple ribbon for outstanding work, reported the club leaders.

In addition to the special recognition, each of the boys listed above took first-place blue ribbons at Spring Achievement, as did the following group of 4-H-ers.

John Broese van Groenou of Chelsea, second-year entrant in the show, made a hay holder for his project this spring.

Jason Bergott of Dexter, completing his second year as a club member this spring, submitted a furniture entry at the 1986 show in the form of a post-side lounge.

Three more entrants from the Dexter area were first-year members Brian Trinkle with his cutting board project and Jason Bradbury who took his Dewar-pot holder to the show, and second-year participant Mike Trinkle who completed a wooden pull toy, a tiny performing horse on wheels.

Ray Schairer explained both he and Knieper are very proud of the boys and their handiwork. Knieper has served as co-leader of the club for the past two years, and hopes to establish his own group sometime in the future. Schairer first became a 4-H leader when the Parkers Corners Craftsmen became a club 40 years ago. He has watched two generations of young men learn the skills under his tutelage, and hopes to remain for a third generation to have the same opportunity. "I really enjoy working with the boys," he said.

Five of the club members will be entering woodworking projects in the summer show, explained Schairer. Some of the woodworking projects had not been completed by deadline time for Spring Achievement.

Schairer said four Chelsea area 4-Hers will be participating in the summer show with their work. Jeff Anders, who has worked with the club for four years, and his brother Brian, now finishing his third year, as well as fourth-year members Mark Luick and Kevin Kern will enter their projects in the summer competition.

Rick Ramsey of the Dexter area, participating for the first time this year, will also be competing in the summer show.



RAYMOND SCHAIRER HONORED: Dexter and Chelsea area 4-H leader Ray Schairer was honored for his 40 years of service to the Michigan 4-H Youth Program, Sunday, March 2, during the 4-H Leadership at Michigan State University. Schairer was one of 61 4-H leaders recognized state-wide for 30 or more years of participation. He began his involvement as a member in crops and gardening clubs. As a 4-H leader, he has continued in crops and gardening projects and has also been involved in woodworking. Schairer says a highlight of his early 4-H years was the planting of one of the first hybrid corn plots in Washtenaw county. He remains leader of the Parkers Corners 4-H Club, the same club he led at the beginning of his career as a 4-H leader.

## Area Groups Protest County Right-To-Know Regulations

**EDITOR'S NOTE:** The joint statement was issued by the Washtenaw County Farm Bureau and the Ann Arbor Area Chamber of Commerce, following the approval of county Right-to-Know regulations by the West and Kansas Committee at its March 28 meeting.

As groups representing the sectors of the community which will be regulated by the proposed county Right-to-Know regulation, we would like to state our opposition to the regulation as currently written.

Both the Washtenaw County Farm Bureau and the Ann Arbor Chamber of Commerce recognize the need for reasonable regulations which relate to community right-to-know, especially in the area of fire safety and other potential dangers. However both the state and the federal governments have adopted right-to-know legislation and will likely adopt additional provisions within the next year. The state law further preempts any local "right-to-know" legislations until April 1987, thus any local regulation will be unenforceable until then. This brings us to a question regarding the county regulation—what's the hurry? Washtenaw county's haste in pushing through its own regulation has ignored certain significant problems.

Both the agricultural and business communities are already regulated in their use of hazardous chemicals. This new regulation will create an additional layer of paperwork which might instead be incorporated into existing reporting at a much lower cost.

The expense of the fees involved is significant and, in addition to other costs of the regulation to the affected businesses and farms, could place a competitive disadvantage upon Washtenaw county—making our community substantially less attractive for investment and location by job providers and possibly putting some existing farms and companies out-of-business entirely.

The growth in county government necessitated by this regulation will be financed by either increasing the fees to a staggering level or by taxes or both. This is an important but unanswered question.

Though there have been one or two opportunities for comments by the affected farm and business communities, these opportunities occurred relatively late in the development of the regulation and did not provide the kind of ongoing participation and input required for such powerful and encompassing legislation.

In defending immediate passage of the current draft of the regulation, proponents have said that further delays would cost money and that interested groups (business and agriculture) can meet with a panel to "fine tune" the law. The cost of waiting will be inconsequential compared to the costs imposed upon the regulated businesses and farms. This seems a shallow excuse for pushing forward with an unworkable and unenforceable law. By saying that the regulation may be "fine tuned" over the coming year, the proponents are admitting that the current draft is not worthy of passage as written.

The Farm Bureau and the

## JUST REMINISCING

Items taken from the files of The Chelsea Standard

### 24 Years Ago . . .

(Continued from page two) and Monday (grass fires on the properties of Dr. James Botaford on Werkner Rd., Randall Bentley at Cedar Lake, and Earl Whitaker at Glazier Lake were brought under control.

### 34 Years Ago . . .

Thursday, March 27, 1952—

Mr. and Mrs. William Stewart returned last week from an extended overseas vacation. Mrs. Stewart is the former Zita Foster of Grass Lake. Beginning in New York, they visited Madrid, the Canary Islands, French Morocco and Africa. They said it was amazing how far behind the times the native farmers are in the way they do their work. Fields were being plowed with camels, burros and oxen—they rarely saw a tractor. Mr. Stewart said the Arabians in the old section of Casablanca still live in the same primitive fashion that prevailed before the time of Christ.

Kenneth Proctor, Jr., who lives with his parents on Hopps Rd., received the State Farmer degree at the 24th annual Michigan FFA convention. This is the highest Michigan FFA degree granted and was received by 196 boys in the entire state.

Mr. and Mrs. Charles West were honored for a 50th wedding anniversary at their home in Sylvan Center. They were married April 2, 1932. Their children

are George West, E. Middle St.; Mrs. Norman Gregory, Dexter; Mrs. Edgar Truesdell, Detroit; Mrs. Ralph Sundberg, Grass Lake; and Mrs. Veryl Hafley, Old US-12.

### Free Dog Care Clinic Offered By Humane Society

At last! Warmer weather has arrived, and your thoughts may be turning to acquiring a new puppy. Or maybe you'd like to teach Fido a trick or two? Have you considered a spring health check-up for your dog?

These questions and more will be addressed at the Dog Training and Care Clinic sponsored by the Humane Society of Huron Valley. Experienced instructors from the Ann Arbor Dog Training Club will be on hand to give dog owners valuable tips on topics such as health care, grooming, house-breaking, feeding, obedience training, and dog breed characteristics.

There will also be demonstrations by the instructors, followed by a question and answer period.

The clinic will be held from 7 p.m. to 8:30 p.m. on Tuesday, April 8, at the HSHV Community Education Building, 3109 Cherry Hill Rd., Ann Arbor. It is free to the public but please leave your pets at home.

For additional information and/or directions call the Education Department at 662-5645.

## PROCLAMATION

WHEREAS, the American Red Cross has sheltered nearly one million disaster victims, and provided mass care feeding to more than four million people since September, 1985, and

WHEREAS, the American Red Cross is committed to maintaining a safe and plentiful supply of volunteered blood, and

WHEREAS, the primary source of funds and blood is the American people

BE IT RESOLVED, that we, as public servants and leaders, are committed to the mission of the American Red Cross, and will prevail upon our communities to support this worthy organization in its time of need through the donations of funds for disaster relief and blood, both of which will save and extend thousands of lives.

Dated: March 18, 1986.

Jerry Satterthwaite, President  
Village of Chelsea  
Evelyn Rosentreter, Clerk  
Village of Chelsea

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### The Troubled Oil Economy

Farming isn't the only sector of the economy to have the adjective "troubled" preceding it. The troubled domestic petroleum industry is also going through a restructuring and suffering price woes that make farm commodity prices look good by comparison. Oil prices have dropped almost 50% in the last three months.

So far, there hasn't been an oil aid concert but there are some striking comparisons to the farm economy. The petroleum industry is going through a consolidation.

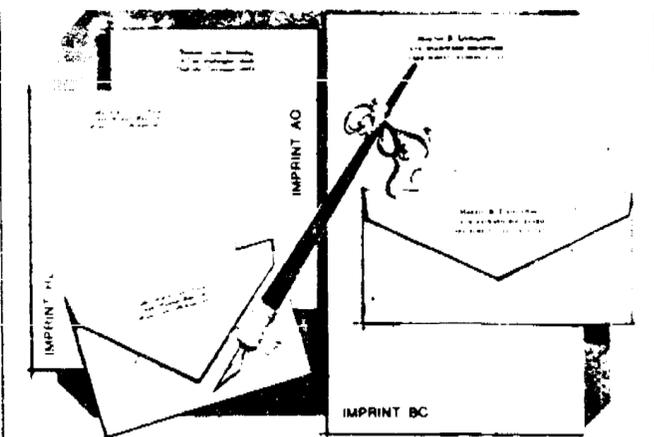
Those whose survival is most threatened are the several thousand independent oil drilling companies and small oil producers, many with heavy debt loads. Stronger companies can use this restructuring to strengthen their hand and buy up the assets of fallen competitors at bargain prices.

Support services, banks, state and local governments that depend on oil related tax revenues are all hurting.

Like farmers, oil producers can point a finger of blame at the federal government which encouraged them to expand and pump more crude to cut our foreign dependency.

What the oil industry found out was that Americans could conserve energy and find alternative sources if necessary. A shortage of oil became a glut. Farmers found out that the rest of the world, while it still has to eat, can cut its reliance on us to supply that food.

## The Chelsea Standard



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# A VIEW from the CLOCK TOWER

By Will Connelly

While other baptized Christians in Chelsea turned their thoughts to the sacred events of Holy Week, I was distracted by a stack of literature unsorted and unpaid for—trying to persuade me God does not exist. God does not listen to prayers because he isn't there to listen. There is no heaven nor hell nor any life hereafter. Jesus was a myth. Baptism is a tribal ritual. There is no reason for matrimony to be holy. Funerals are not sacred events but just the disposal of human garbage.

All these viewpoints and more are to be found in a publication called FREE INQUIRY and produced by a band of blue ribbon intellectuals who call themselves Secular Humanists. Among their founders were atheists and agnostics such as George Bernard Shaw and Robert Ingersoll. Among their humanist laureates are Isaac Azimov, Andrei Sakharov and Lady Barbara Wootton, former deputy speaker of the British House of Lords.

The question is how did the Humanists get me on their mailing list? Who chose me as a prime prospect for the abandonment of religion?

I think the Humanists got my name from the book dealers where I purchased a used 34-volume set of *Great Books of the Western World*, just as my target pistol dealer gave or sold my name to the NRA.

The *Great Books* are a collection of writings from the philosophers of ancient Greece on through 2,500 years to Dostoevsky, William James and Freud. Along the way are Saints Augustine and Aquinas, villainous Machiavelli, immortal William Shakespeare and Communist Karl Marx. It was a 10-year course of study and I had completed three to make up for years of skipped education when I had to move to Michigan in 1950.

I gave up my membership in the *Great Books* class as well as my position as a vestryman of St. Mary's Episcopal church in Park Ridge, Ill. Before long I was a vestryman, PR man and fund raiser in various parishes as we moved from Birmingham to Bloomfield Hills and then Ann Arbor. During these years I became a lay reader (non-ordained minister) in the church. For 10 years I gave all the time I could spare from my business to work as chairman of communications for the Episcopal Diocese of Michigan—with no time to get back to the *Great Books*. I was campaign chairman in "Builders for Christ," seeking funds for our Detroit cathedral. Under special authority from my bishop, I delivered sermons in dozens of pulpits on a modernized version of the biblical concept of tithing. I was even invited to Chicago to address a convention of Methodist bishops on the subject.

Nowadays I do my worshipping at home and am mystified at the ever-dividing amoebae of Christian faiths who all believe in one God and the divine ministry of his son, Jesus, yet keeping dividing. I have equal respect for the religion of the Jews who gave us our Old Testament, and all the other great religions of the world who worship the same Creator.

History is filled with bloody wars of one religion against another—million of deaths, imprisonments, torture and conquests of nations. Four centuries before the birth of Christ Socrates was forced to choose between renouncing his convictions or drinking the cup of hemlock. He chose to swallow the poison. Afterwards, a college was named, "Socrates died here." He is buried in only one god.

Now we have the Secular Humanists who are ardent evangelists for No God and the adoration of nothing but Reason. You can read their thoughts, right here in *The Standard*.

"If Jesus turned water into wine, how did its acidity rate in the titration test? Where did the alcohol content score on the Proff and Trailes hydrometer?"

Or The Lazarus Act: Was Lazarus a paid stooge or an obiding follower under heavy sedation?

Or The incredible trimesters of Mary's virginal pregnancy.

Scientist members of Secular Humanism pick the Bible to shreds. Yet the entire history of science has been a series of discoveries overthrowing profound beliefs that simply were not so. For centuries the earth was considered flat; sail too far and you would fall off. Galileo, who thought otherwise, was imprisoned for life for claiming that the earth moved around the sun.

But a Dutchman named Leuwenhoek invented the first true microscope and discovered a world of subvisible creatures with powers of life and death over everything that lived on the earth. A creature one ten thousandth the size of a pinhead could kill an elephant. One disease after another was conquered or prevented. There was the discovery of anesthesia, followed by antiseptic surgery. Suddenly the world was powered and lighted by electricity. Then came the awesome horror of the atomic destruction and the advent of nuclear energy that may ultimately save civilization—if we don't blow ourselves to Kingdom Come. In 1951 we beheld one of the greatest biological discoveries of all time—the molecular protein chain which is the source of heredity in all plants and animals—opening the power of genetics to create entirely new creatures and forms of plant life in the future.

For these, plus thousands of other achievements, Nobel prizes and other honors have been awarded. Fame and fortune have followed—all because men (and women like Dr. Curie) have slowly, clumsily begun to understand the mysteries and powers which God engineered and understood from the very beginning. Historically, human science is like an infant crawling on the rug and discovering a housefly just ahead of him.

The Secular Humanists not only dismiss God and the worship of Jesus. They create laureates of their own. They urge us to abandon religion in favor of godless egotism. What is more, they beg us to further the cause of Secular Humanism: "Remember FREE INQUIRY in your will!"

At the time of the American Revolution, Tom Paine, a patriot and questioner of Divinity, wrote "The Age of Reason." Secular Humanists are now offering us their cult as an age of reason. It is their right to do so under the guarantee of free speech in the Constitution. Let them spread the gospel of Reason to their readers. Some of their logic seems overwhelming.

All I have to add is this: From time to time faith and reason must part company and faith must go resolutely on alone.



A VISIT FROM THE EASTER BUNNY was the highlight of the day for pre-schoolers at St. Paul United Church of Christ last Friday morning. Teachers reported the children were a little afraid at first, but quickly warmed up to the giant rabbit.



PEELING EASTER EGGS with teacher Alyson Lyons are Carrie Roberts, center, and Ashley Harrison, two pre-schoolers at the day care center at St. Paul United Church of Christ.

## Manchester Schools Reinstate Phys. Ed.

A special Manchester school board meeting was held Wednesday, March 28, to discuss the 1986-87 budget.

Acting Superintendent Brian Schick informed the board that there appeared to be a savings projection in certain line items.

The projections occurred in the following line item areas:

- \$15,000—Heating fuel savings resulting from the Energy Conservation Project and a \$5,200 credit from Consumers Power Co.
- \$5,000—Net increase in Autistic Grant for special education area.
- \$3,500—Payment to Manchester for out-of-district students.
- \$6,700—Interest on investments as the result of good interest rates.
- \$3,300—State aid adjustment for special education programs and transportation.

Total—\$33,500.

The savings projections plus the district's unreserved fund equity of \$42,500 would equal \$76,000.

The Board of Education had also incurred expenses in the last month that must be subtracted from the figure of \$76,000.

\$3,100 Michigan Association of School Boards "Self Insured Property & Casualty Pool."

\$5,500—Superintendent Search Consultants, Austin, Goldhammer & Howard, Educational Consultants.

\$3,800—Acting Superintendent Compensation.

Total—\$12,400.

After subtracting these expenses from the \$76,000 figure the district's fund equity would be \$63,600.

With these projections in mind discussion took place in respect to the possibility of reinstating some of the programs which had been cut earlier in the school year.

Acting Superintendent Schick recommended to the board that elementary and middle school physical education be considered because they were programs that benefited large numbers of students and could be rescheduled without making a lot of changes in scheduling.

After further deliberation the board of Education approved the acting superintendent's recommendation that these two programs be reinstated at a cost of \$15,000 with a starting date of April 7.



When jets recovered from the Pompeii eruption of 79 A.D. were found labelled Vesuvium — the oldest known trademark.

## Tornado Watch or Warning, Do You Know the Difference?

Do you know the difference between a tornado WATCH and a tornado WARNING? These are terms used by the National Weather Service, and knowing what they mean can save your life.

A tornado WATCH means that weather conditions are right for the development of tornadoes. If a tornado WATCH is broadcast by your local radio or television station, stay tuned for further advisories and be prepared to take cover.

If a tornado WARNING is issued, it means a tornado has actually been sighted. WARNINGS are issued for individual counties and include the tornado's location and its direction and speed. If you are in or near its path, take cover immediately.

A tornado usually develops from a severe thunderstorm. During such weather, be alert for violent winds, hail, heavy rain, frequent lightning, funnel-shaped clouds, and a roaring noise. When in doubt, take cover; tornadoes are often hidden by rain or dust and can occur at night.

Both tornado WATCHES and WARNINGS are issued by the National Weather Service through local radio and television stations. Many communities also have special warning systems such as sirens. Be alert to weather advisories, and be prepared to take immediate action.

This information is provided by the Federal Emergency Management Agency and National Oceanic and Atmospheric Administration.

### Youth from Pinckney Receives Army Achievement Medal

Spec 4 David Thomas, son of Jennings A. and Thelma Thomas of 330 E. Schaffer, Pinckney, has been decorated with the Army Achievement Medal in West Germany.

The Achievement Medal is awarded to soldiers for meritorious service, acts of courage, or other accomplishments.

Thomas is a vehicle driver with the 377th Transportation Company.

He is a 1984 graduate of Howell High school.

### Legal Secretaries To Meet April 9

Washtenaw County Legal Secretaries Association will hold their April dinner meeting on Wednesday, April 9, at 5:30 p.m. at the Sheraton University Inn. An invitation is extended to all legal secretaries and law office personnel.

For more information, call Peggy Murray, reservation chairman, at 789-5708.

## THIS WEEK'S THOUGHT

By Donald Cole



Every seminary student requires training and considerable education before he can be ordained a minister in any denomination. The profession is probably the least rewarded. His hours are not his own. His clerical collar makes him subject to call at any time, night or day. So . . .

When you think about your pastor and the things he has to do, do you ever wonder if his work is ever through? . . . From the moment that he rises at the dawning of the day, he has many kinds of labor and a lot for which to pray . . . He has all sorts of meetings which each day he must attend, and there are always some which never seem to end . . . He has his Sunday sermons that each week he must prepare, and he knows his congregation wants them more than pretty fair . . . When you think about your pastor and the work he has to do, can you truly say that you would like to take his place? (Did you ever tell him that?) COLE-BURGHARDT FUNERAL CHAPEL, 214 East Middle St., Chelsea, Mich. Phone 475-1551.

## HOW TO BUY A PHONE.

**1. Face it.** These days almost everyone in business needs to know something about telephones. You've needed a secretarium desk for a long time, but because of Bell's broken up rates you've been unable to make some very important choices. And no matter what business you're in, the wrong moves could leave your business with telephones that just won't do all you need them to.

**2. Don't panic.** You don't have to be an electronic genius to get the right phone system. Far from it. All you really need is your eyes, your ears and your common sense. The rest is a matter of learning your options.

**3. Why a new phone system?** Maybe you don't even need one. But you should be sure. So it makes good business sense to look into the benefits of today's advanced phone systems before you decide. The right phones could increase productivity and control costs. And even improve morale.

**4. Look and listen to your people.** And your customers. And suppliers. Missed calls, staff who can't be found, long waits on hold, skyrocketing bills and general irritation are all signs that something's amiss with your phones. A walk around the office will tell you a lot about how smoothly everything is running. Especially if you linger awhile near your receptionist.

**5. Call in the experts.** It's our eyes and ears that tell us when our phone system is broken. It's our ears that tell us when our phone system is broken. It's our eyes that tell us when our phone system is broken. It's our ears that tell us when our phone system is broken.

**6. Don't do anything until you read this.** If you've read this far, now is probably a good time to review your company's telephone system. And we'd like to help. With our easy-to-read, free pamphlet called "How to Buy a Phone Book." It's a helpful, common-sense guide to getting your business the phone system it needs. Which can save you lots of valuable time by showing you what to look for, introducing you to some of the latest, most sophisticated features available. And keeping you from being bamboozled to death.

**7. The first step.** We know we didn't write this for you purely as a public service. We want to persuade you to do what thousands of other businesses around the country have done. To learn more about Walker-Reliant phone systems. And ultimately to choose them. Not just because our literature makes so much sense. But because our phones do. Give us a call. We'd like to hear from you.



systems before you decide. The right phones could increase productivity and control costs. And even improve morale.

And your customers. And suppliers. Missed calls, staff who can't be found, long waits on hold, skyrocketing bills and general irritation are all signs that something's amiss with your phones.

A walk around the office will tell you a lot about how smoothly everything is running.

Especially if you linger awhile near your receptionist.



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It's a helpful, common-sense guide to getting your business the phone system it needs.

Which can save you lots of valuable time by showing you what to look for.

Introducing you to some of the latest, most sophisticated features available.

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# COMMUNITY CALENDAR

## Monday

Lima Township Board meets the first Monday of each month at 8 p.m. Lima Township Hall, adv 4441

Chelsea Recreation Council 7 p.m. second Monday of the month. Village Center of ch. adv 4441

Chelsea Substance Abuse Task Force second and fourth Monday 7 p.m. Krueger House

Chelsea Rowing Club meets every Monday 7:30 p.m. at Chelsea Community Hospital

Parent-Teacher South meets the second Monday of each month in the South School Library at 7:30 p.m.

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

Chelsea Lions second Monday of each month at the Meeting room in the Citizens Trust on Main. Chelsea at 7:30 p.m. call 475-1741 for information.

Parents Anonymous Group, Chelsea, a self-help group for abusive or potentially abusive parents. Mondays 7:30 p.m. Call 475-9175 for information.

Toughlove Parent Support Group. For parents troubled by their teenagers' behavior in school, in the family, with drugs and alcohol, or with the law. 7:30 p.m. Mondays St. Joseph Hospital, 4201 E. Huron. River De Education Center Classroom 8. Information: Sue Thomas 979-8942 or Fran Gohn, 979-8721.

Annual meeting of the Unadilla Baseball Society will be held at the Vivan May residence on South Lake Rd. Monday, April 14 at 8 p.m. adv 4542

## Tuesday

Ladies League, Tuesday, April 8 7:30 p.m. at Emanuel Church Hall, 124 W. Main St., Manchester. Topic: Nutrition and Weight. Group leader, Marsha L. Smith, 475-8831.

UAW Extension Men's Night, Tuesday, April 8, 6:30 p.m. at UAW Hall

Chelsea 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 36. For more information call Tim Merkel, 475-2272.

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

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 Sigma Financial Corp. Member S&P

Lima Township Planning Commission, third Tuesday of each month, 8 p.m., Lima Township Hall, adv 4441

Chelsea Village Council, first and third Tuesdays of each month, adv 4441

Lions Club, first and third Tuesday of each month, 7:30 p.m. at Chelsea Community Hospital, Ph. 475-1741 or write P.O. Box 121, Chelsea

Chelsea Rod and Gun Club regular meeting second Tuesday of each month at the clubhouse, Langane Rd. adv 4441

Chelsea Rebekah Lodge No. 120 meets the first and third Tuesdays of each month, at 7:30 p.m.

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

April meeting of Washtenaw Association of Retired School Personnel (WARSP), Tuesday, April 8, 11 noon at Emmanuel Lutheran Parish, 120 North St. Milan. Seed reservations for luncheon for \$5.00 to Florence J. Haas, 1055 N. Maple, Ann Arbor 48106, no later than April 10. Program: Talk and slides by Lois Jennek. Topic: Rural and Church Life in North India. Business meeting. adv 4441

Sylvan Township Board Meeting for April will be held Tuesday, April 8, 1986, 7 p.m. at Sylvan Township Hall, 112 W. Middle St.

## Wednesday

Wednesday, April 9, support group meeting for family members of people with Alzheimer's Disease at St. Charles church, 2000 Pleasant St., Ann Arbor. 7:30 to 9 p.m. Call 962-6633 for more information.

OES Past Matrons dinner and meeting at North School Senior Citizens Site, Wednesday, April 9, 11:45 a.m. Reservations must be made by April 7. Ph. 475-1779 or 475-1143.

Support Group for Relatives of Alzheimer's patients, Wednesday, April 16, 10 to 12 a.m., Turner Geriatric Center, 100 Walnut St., Ann Arbor. For information call 784-2599.

VFW Post 4056 meeting second Wednesday of month, 7:30 p.m., VFW Hall, 168 N. Main

O.E.S. first Wednesday following the first Tuesday of the month at the Massane Temple, 113 W. Middle at 7:30 p.m.

## Thursday

Luncheon, Thursday, April 3, 12:30 p.m., at the home of Hilda McClure

Chelsea Community Farm Bureau, April 10 at the home of Ella Heller, 7:30 p.m., Pot-luck.

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

Chelsea Area Players Board meeting second Thursday of each month, 7:30 p.m., at Citizens Trust meeting room. For more information call 475-2629.

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

New Beginning Grief Group first and third Thursday each month, 7:30 p.m., Family Practice Center, 125 S. Main St., Chelsea

Knights of Columbus Women's Auxiliary second Thursday of each month 8 p.m. at K of C Hall, 3750 Old US-12

## Friday

Annual Faith-in-Action fund raising dinner will be Friday, April 11, at the Chelsea Community Hospital 7 p.m. For information or tickets call FIA at 475-4306.

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

## Saturday

Free Car Wash, Saturday, April 12, 8 a.m. - 7 p.m. at the Emanuel church on Main St., Manchester. Sponsored by Manchester Middle School Boosters. adv 452

## Sunday

Free concert by Oriana, 1 p.m., Sunday, April 6, in the Sanctuary of St. Andrew's United Church of Christ, Dexter. Mission program from the bar square, 1600-1750. Both children and adults invited to attend.

Chelsea High School Class of 1911, Sunday, April 6, 3 p.m. at Wolverine Bar. For more information call Tina Wilcox, 475-7868.

Chelsea High School Class of 1981 reunion planning meeting Sunday, April 6 at 7 p.m. at Wolverine Bar. Call Ken Elliott for more information, 475-2137.

## Misc. Notices

South Lake Pres. Society called to attention is looking enrollment for the 1986-87 school year for 3- and 4-year-old sessions for 20 children per week. We offer co-op sessions and non-participating options. For further information call John J. Roberts, 475-3615, or 475-4455.

Day Program at the Chelsea Center at Chelsea Community Hospital, 475-3121, ext. 406 or 406, adv 4441

Parent to Parent Program: in-home, friendly, visiting support system for families with children. Call 475-3305, 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 971-5825.

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, 475-1493, or Joyce Mantley, 475-2795.

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



DAVE JENSEN shows off his plot of the Chelsea High school 400 building, part of a tornado preparedness project for Jim Tallman's advanced drafting class. The shaded areas show which parts of the building were deemed the safest to be in during a tornado. Maps of all Chelsea school buildings were produced. Dave was one of four students involved in the project.

## Wildlife Art Festival Slated April 10-13

More than 25,000 visitors are expected to attend the third annual Michigan Wildlife Art Festival, April 10 through April 13, at the Southfield Civic Center.

This year's event will showcase 60 of the nation's finest wildlife painters, sculptors, carvers and photographers," said Dave Smethurst, president of the Michigan Wildlife Habitat Foundation, sponsors of the event. Proceeds from the festival are used to improve and restore fish and wildlife habitat throughout the state.

Featured artist for the 1986 festival is West Bloomfield's Heiner Hertling. Hertling's ruffed grouse painting, "Spring Break," has been selected by the foundation as the 1986 Festival Print.

## Registration Set For Youth Summer Baseball, Softball

Registration for summer youth baseball and softball leagues will be held Saturday, April 12 at the South Elementary school cafeteria from 10 a.m. to noon.

The following leagues are available: T-Ball, for ages 6-7; Farm League for ages 8-9; Little League, for ages 10-11; Pony League, for ages 12-13; Babe Ruth, for ages 14-15; Midget League Slo-Pitch Softball, for ages 8-10; and Junior Miss Fast Pitch Softball, for ages 11-13.

Fees will be posted the day of registration. Birth certificates must be shown.

A child must be the age listed above prior to Aug. 1, 1986.

The season for all leagues will begin the week of June 16 and end Aug. 1.

Registration will be taken in the Community Education Office prior to April 12. They will also be accepted the following week with a \$1 late fee.

There will be no registration after Friday, April 18.

Please Notify Us In Advance of Any Change in Address

**Happy Birthday Bert**  
 April 3rd

You'd recognize the smile any place  
 For it belongs to good old Tace

She's 50 now and feelin' blue  
 Wondering if she'll make it to fifty-two.

## Tell Them You Read It In The Standard



**CHELSEA CHILD STUDY CLUB QUILT SALE**

Award will be held Tuesday, April 8, 1986

DONAT. Wn: \$1.00 ea. or 6 for \$5.00

Tickets available at  
**BARBARA'S NEEDLEARTS, CHELSEA**  
 and  
**THE VILLAGE SHOPPE, MANCHESTER**

Have You Played

**TIC TAC TOE**

Michigan's New Instant Game Today

To receive a schedule of events, or for information on becoming a show sponsor, the silent auction, or accommodations during the show, contact the Michigan Wildlife Habitat Foundation at (517) 882-3630.

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**LOSER'S DRAWING EVERY SATURDAY**

Weekly Drawing... 5 Free Tickets  
 Monthly Drawing... 10 Free Tickets

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165 CAVANAUGH LAKE RD.  
 OPEN: 6 a.m.-8 p.m., M-Th/6 a.m.-9 p.m. F/  
 7 a.m.-9 p.m. Sat/7 a.m.-7 p.m. Sun.

**DEXTER COMMUNITY PLAYERS**

Seeking DIRECTOR and PRODUCER

For Their July 10-11-12 production of production of "South Pacific"

Mail applications to:  
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Applications must be in by Thursday, April 17th

MUSICAL DIRECTOR  
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 positions also open.

All interested please apply.  
 For further information call 426-4998

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**8** pac 1/2-liter bottles **\$1.99** plus deposit

**6** pac 12-oz. cans **\$2.09** plus deposit

Offer good thru April 5, 1986

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**SMORGASBORD**  
**SUNDAY 11:30 to 2:30**  
**APRIL 6th**

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**\$5.00 Adults**  
**\$2.50 Children**

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come eat an' enjoy  
 113 W. Middle St.  
**Masonic Temple**



BOY SCOUTS FROM TROOP 425 are spending the week on an aircraft carrier in Charleston, S.C., thanks to community support for their seed and fruit sales during the year. The 24 boys will be

"camping out" on the ship at the U.S. Naval Museum. They left Chelsea early Monday morning. The troop is headed by Doug Hedding.

## David Prohaska Named To Lions District Post

David Prohaska was elected to the post of Deputy District Governor at the recent Lions Club District 11B1 convention held March 21-22 at Stouffer's Hotel in Battle Creek. In his new position, Prohaska will be responsible for the 14 Lions and Lioness clubs in Washtenaw and Lenawee county during the 1986-87 club year.

Prohaska is a member and past president of the Chelsea Lions club. He is currently serving on its board of directors. He is also 1985-86 zone chairman for Washtenaw county. While president of the Chelsea Lions Club in 1982-83, Prohaska was responsible for establishing a Michigan Eye Bank Substation at the Chelsea Hospital and assisted in creating the Lions Club Scholarship which is awarded annually to a graduating senior from Chelsea High school.

Other honors at the convention went to Barbara Jelwa of the Chelsea Lioness Club who was named regional Lioness of the Year for outstanding service and dedication to Lionism and for public service to the community. Ed Pratt, Chelsea Lions president, received an award on behalf of the Chelsea club which was regional winner in the District Governor's contest and placed second among the 60 Lions Clubs in district 11B1.



DAVID PROHASKA

### Manchester Woman's Son Graduates From Navy OCS

Navy Ensign David J. Stremier, son of Thelma A. Stremier of 115 Beaufort, Manchester, has been commissioned in his present rank upon graduation from Officer Candidate School (OCS).

OCS, located at the Naval Education and Training Center, Newport, R.I., is designed to prepare students to assume the duties and responsibilities of commissioned officers.

During the 16-week course, Stremier studied the principles of leadership, manpower management techniques, navigation and communications. He also studied Naval history; traditions and missions; the structure and organization of Naval commands; military courtesy; uniform regulations; seamanship; and the Uniform Code of Military Justice.

A 1981 graduate of Detroit Country Day School, Birmingham, he joined the Navy in July 1985.

One third of the licensed drivers in the United States are under 20 years of age, according to the Motor Vehicle Manufacturers Association.

### Red Cross Needs Help in Blood Program

Did you know that the American Red Cross supplies blood for all of the six area hospitals? Volunteers are a vital necessity to insure that these hospitals receive an adequate blood supply.

Volunteers are needed to donate blood, transport blood, register donors, serve refreshments, and prepare sterile containers.

Call the Red Cross today at 971-6300.

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CHELSEA POLICE SHARPSHOOTERS took part in the annual Wyanadette Practical Police Pistol Course competition recently. Officer Frank Korman, left, was first place in the Marksmanship category, while Officer David Dettling, center,

and dispatcher Scott Summer took third place in team shooting. The more than 200 participants shot standing, kneeling and prone, both right-handed and left-handed.

Farmers and agri-business: For help with loans, employment, human services, legal advice, marketing and development assistance, call the

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### NOTICE TO VILLAGE RESIDENTS

Spring and summer lawn rakings, grass clippings, shrubbery trimmings and other debris should NOT be loosely placed in the streets or public right-of-ways for Village Public Works pickup.

Village residents who wish to dispose of these items must place them in plastic bags and set them at the curb for the regular Tuesday and Friday garbage and refuse collection. The total limit is three (3) bags per household for each collection date.

As in the past, Village Public Work crews will continue to pick up and dispose of tree trimmings. However, we do request that tree trimmings be cut in lengths not exceeding eight (8) feet and placed neatly near the curb.

Please keep in mind that the pickup is for tree trimmings ONLY, not entire trees.

VILLAGE OF CHELSEA

# The Wolverine **76** Auto/Truck Plaza

is now offering in our restaurant every Saturday from 11 a.m. to 8 p.m.

**ALL-YOU-CAN-EAT SPAGHETTI** for only **\$2.99**  
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**A THREE-DIMENSIONAL SOLAR SYSTEM** was Kevin Hufner's project for his class science project for a science fair at North school recently. Kevin used styrofoam balls for the planets, and they were all connected to the sun using thin rods. The whole assembly was attached to a motor, simulating the movement of the solar system. It was one of the most complex projects in the third grade fair.



**JEFF EVISON** demonstrated how an egg will float in salt water but sink in tap water for his science fair project recently at North Elementary school. The third graders put together displays and made experiments for the fair, which was seen by children throughout the school.



**CRYSTALS I HAVE GROWN** was the subject of Figma Jean Crullin's science fair project at North school recently. The third grader explained how to make copper sulfate crystals, and had a sample of her work. She's a student in Berna Stein's class.

## Antique Show Opens Thursday Under Health Center Operation

Catherine McAuley Health Center in Ann Arbor, has assumed operation of the Michigan Antique Show and Sale, founded 12 years ago by Margaret and Fred Brusher.

The Michigan Antique Show and Sale is one of the top 20 antique shows in the United States with 67 carefully selected dealers from across the country. The 1986 show at Crisler Arena in Ann Arbor features a preview party from 6 to 9 p.m. Thursday, April 3. The show runs from 11 a.m. to 9 p.m. Friday, April 4, and Saturday, April 5, and from 11 a.m. to 5 p.m. Sunday, April 6.

The donation of the antique show to the non-profit Catherine McAuley Health Center was the Brushers' way of showing their gratitude to the Sisters of Merry

and the quality health care provided at the center, Mrs. Brusher said.

"We have many friends who have benefited from the expertise our hospital provides right here in the community," she said. "By making this gift, we are able to ensure the continuation of this event into perpetuity, even if something happens to us. I feel a strong obligation to the dealers involved to make this commitment."

The non-profit Health Center will use the event as a fund raiser. Mrs. Brusher has promised to serve as advisor/consultant to the event for several years.

The donation of the Michigan Antique Show and Sale does not mean Mrs. Brusher has retired. She will continue the eight Ann

Arbor Antique Market Shows she hosts each year.

Mrs. Brusher said she is impressed with the enthusiasm and expertise Health Center staff members have shown in preparing for the 1986 event.

"My husband and I are thrilled by their competence and enthusiasm," she said. "It is extremely gratifying."

The chairwoman for the 1986 event is Betty Lyons who has assisted with the show for the last 12 years.

"I'm confident the high quality will be maintained for many, many years to come," Mrs. Brusher said.

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## Outpatient Drug Abuse Treatment Now Being Offered

Chemically dependent adults interested in receiving treatment for their addiction while continuing to live and work in the community can enroll in the Intensive Outpatient Services treatment program sponsored by Catherine McAuley Health Center.

During the first phase of the recently opened program, chemically dependent adults and their family members will participate in a combination of education, discussion, therapy and support classes from 6 to 9 p.m. Monday through Thursday at the Maple Health Building, 501 N. Maple, Ann Arbor. The program began operation Feb. 24.

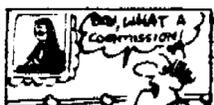
When a participant graduates to the second phase of the program after about a month, sessions will be once or twice per week. This aftercare component also is for those individuals who have attended the inpatient treatment program at the Health Center's Huron Oaks facility or who have completed other drug treatment programs.

Glenn Kagan, assistant director of Intensive Outpatient Services, said the new program treats alcoholism and other types of chemical dependency. For cocaine users, the program will provide special assistance based on a nationally proven approach, Kagan said.

Most health insurance policies cover the cost of outpatient chemical dependency treatment, Kagan said.

Seed money for starting Intensive Outpatient Services was provided by a \$175,000 gift from General Motors.

For more information, call 572-6388.



The Misses Lisa by Leonard do Vinci was announced for insurance purposes at \$100 million—making it the most valuable painting ever.

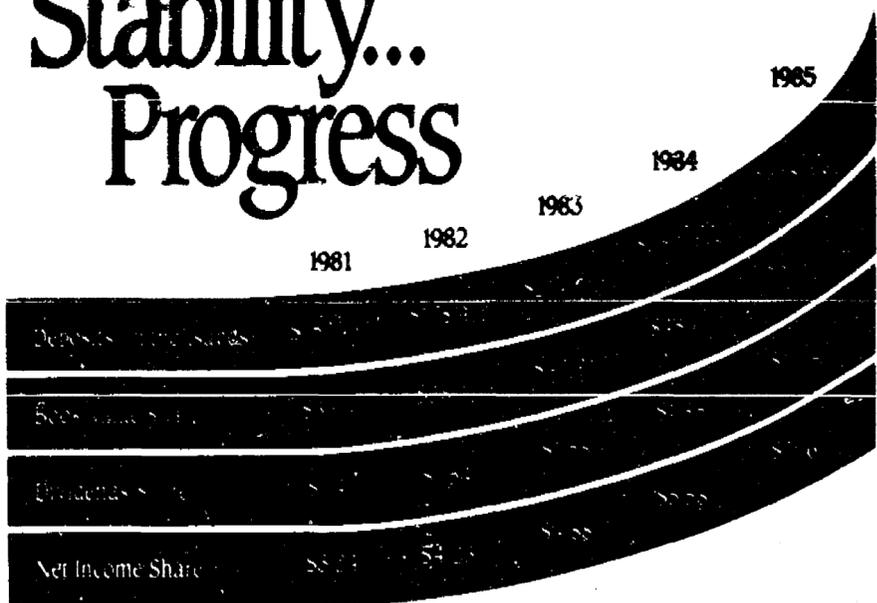
### CHS Varsity Baseball Schedule

April 10—Perry	A 3:30
April 12—Pioneer	A 1:00
April 14—Northwest	H 3:30
April 16—Brighton	H 3:30
April 19—Manchester	H 11:00
April 22—Novi	A 4:00
April 25—Saline	A 11:00
April 28—Milan	A 4:00
May 1—Lincoln	H 4:00
May 3—AA News Tourn	A
May 5—Hartland	A 4:00
May 6—Dexter	H 4:00
May 10—AA News Tourn	A
May 12—Trompsch	A 4:00
May 15—Pinckney	H 4:00
May 17—SEC Tourn	A
May 20—River Rouge	H 4:00

Don't forget to renew your Chelsea Standard subscription!

**THE REV. SONDRIL WILLOBEE**, new pastor of the North Lake United Methodist church, attended her first Egg Supper at the church March 21. The supper is a 115-year tradition at the church. Attending with her are her husband, Ed, and their 18-month-old daughter, Laura. Pastor Willobee came to the church in November from Detroit.

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# 4-H Spring Achievement Award Recipients Announced

The annual 4-H Spring Achievement Program was held Saturday, March 22, at Ann Arbor High school. The day-long program included the exhibition and evaluation of 4-H projects in woodcraft, demonstrations, cultural arts and crafts, clothing construction, knitting and crocheting. Along with these activities, there were two modeling style shows presented in the afternoon and evening.

The Washtenaw county 4-H staff members along with the entire 4-H volunteer community and the many 4-H parents and supporters salute and congratulate the following 4-H members for their accomplishments at this year's Achievement Program.

**Demonstration Awards**  
The top demonstration award was presented to Michael Peterson of Ypsilanti. Michael also received an honor ribbon for his project work.

**Woodcraft Awards**  
The award for woodworking in the Apprentice class went to Dana Schrnunk of Chelsea as well as an honor ribbon. Garrett Kern of Chelsea received the top Handyman award as well as an honor ribbon. The top Craftman was Pattie Fuller of Belleville who also received an honor ribbon for her achievements. Other happy winners were Keith Hoffuss, Scott Schneider, Tim Dittmar, and Jeff Gebhardt.

**Cultural Arts and Crafts**  
The top award in painting and drawing went to Pattie Fuller of Belleville. The top award in ceramics went to Jennifer Bennett of Dexter. The top award in general works went to David Armstrong of Plymouth. The top kiln award went to Annette Peterson of Ypsilanti.

**Clothing Awards**  
Awards for clothing construction were given to the following individuals grouped by age categories. Beginner: 1st, Suzanne Bessette of Ann Arbor; 2nd, Ryan Ticknor of Saline. Young: 1st, Becky Ticknor of Saline; 2nd, Tara Roehm of Chelsea. Junior: 1st, Tracy Roehm of Chelsea; 2nd, Jill Miller of Dexter. Senior: 1st, Kim Bailey of Manchester; 2nd, Laura Shope of Ann Arbor.

**Honorable Mention Awards in Clothing Construction** went to the following 4-H'ers: Young: Brenda Guenther of Ann Arbor; Christine McLaughlin of Chelsea; Katie Fowler of Chelsea; Stephanie Bessette of Ann Arbor; Lori Brewer of Ann Arbor; Wendy Bristle of Chelsea; Tara Roehm of Chelsea; Becky Ticknor of Saline; Jodi Parr of Manchester; and Melanie Ball of Manchester.

**Beginner Honorable Mention Awards:** Suzanne Bessette of Ann Arbor; Ryan Ticknor of Saline.

**Junior Honorable Mention Awards:** Jennifer Bailey of Manchester, Kellie McMahon of Dexter, Tracy Roehm of Chelsea, Jill Miller of Dexter.

**Senior Honorable Mention Awards:** Katie McMahon of Dexter, Marie Ball of Manchester, Kim Bailey of Manchester, Laura Shope of Ann Arbor.

The top knitting and crocheting award went to Pattie Fuller of Belleville in the Senior Classification. The top knitting and crocheting award went to Amy Koengeter of Chelsea in the Junior Classification. The afternoon Style Revue was rewarding for 20 of the more than 100 4-H participants as they were asked to return and compete in the evening judging for Top Model of the Year in the Beginner/Young Classifications. These models were: Melissa Smith of Chelsea, Lisa Schiller of Chelsea, Christine McLaughlin of Chelsea, Becky Kern of Chelsea, Megan Steistra of Chelsea, Erin Schiller of Chelsea, Jenny Harris of Saline, Wendy Haussler of Manchester, Michelle Mann of Manchester, Jodi Brewer of Ann Arbor, Christine Haslett of Ann Arbor, Jodi Parr of Manchester, Anne Dudzik of Saline, Shana Miller of Dexter, Tara Roehm of Chelsea, Melanie Ball of Manchester, Tara Even of Dexter, Karyn Bradbury of Dexter, Mary Johanson of Dexter, and Becky Ticknor of Saline.

The evening Style Revue was the return of the afternoon award winners vying for honors in competition for the Top Models of the Year in three classifications, Beginner/Young, Junior, and Senior.

**Beginner/Young Models:** 1st, Erin Schiller of Chelsea; 2nd, Tara Even of Dexter. The re-

maining top eight finishers were: Melissa Smith of Chelsea, Michelle Mann of Manchester, Lisa Schiller of Chelsea, Shana Miller of Dexter, Tara Roehm of Chelsea and Melanie Ball of Manchester.

**Junior Models:** 1st, Tracy Roehm of Chelsea; 2nd, Jennifer Bennett of Dexter; the other three of the top five were: Jill Miller of Dexter; Jennifer Bailey of Manchester; Cassie Finkbeiner of Saline.

**Senior Models:** 1st, Laura Shope of Ann Arbor; 2nd, Sarah Weidmayer of Ann Arbor. The remaining five top finishers were: Kim Bailey of Manchester, Kerri Bristle of Manchester, Jill Sherill of South Lyon, Marie Ball of Manchester and Pattie Fuller of Belleville.

Telephone your club news to 475-1371

## Domino's Considering Site for Chelsea Store

An Ann Arbor owner of seven Domino's Pizza stores is planning to add an eighth in downtown Chelsea soon.

Gene and Becky Belknap, whose corporation, Ann Arbor Pizza, owns Domino's franchises all over Ann Arbor including the two closest to Chelsea, are in the middle of negotiations for a building in downtown Chelsea.

Gene Belknap, who wouldn't identify the specific piece of property, said the building would either have to be substantially renovated or torn down and rebuilt. He said an offer was made on the property about three weeks ago, but the owner has been out of town and hasn't responded.

"We've been trying to find a location in Chelsea for about eight months," Belknap said. "If this falls through, we'll just keep looking."

Belknap said he would prefer to remodel the building because he wouldn't be required to submit a site plan to the Chelsea planning commission and have it approved, unlike a new building. However, he said renovation might be so extensive that it would simply be easier to build a new structure.

"We've had a contractor look at the building twice and he said

remodeling would be more expensive than we first thought," Belknap said.

Belknap said he was approached about buying the building the former Sir Pizza, now Luigi's, is housed in on N. Main St., but was not interested.

Belknap said his eighth Domino's franchise would be like most other franchises. It would be strictly a carry-out/delivery business, employing as many as 15 people if most of them worked on a part-time basis. Delivery would be offered within a 1-2 mile radius, "depending on what kind of population density there is," he said.

"We do a fair amount of pick-up business from people in Chelsea," Belknap said, referring to his stores on W. Liberty and at Maple and Miller Rds. in Ann Arbor. "Since there isn't a Domino's store close by, we hope to draw business from Manchester and the lake areas."

Belknap's seven stores employ about 175 people, he said. He started out answering telephones for Domino's in 1986 and bought his first franchise in 1988.

Belknap said if the current deal works out that work on the building would begin immediately.

## Lima Township OKs Small Budget Increase

There was an "unusually small" turnout for Lima township's annual meeting last Saturday, in which a budget of \$239,269 was approved for fiscal year 1986-87, according to Leila Bauer, township supervisor.

"It was probably due to the good weather that we only had five people show up," Bauer said. "Usually we have about 15-20."

The approved budget included \$56,000 for fire protection, which would be paid to both the Chelsea and Dexter Area Fire Departments.

Also included was \$36,000 for local road improvements. The township also voted to spend all federal revenue sharing money on the repairs as well, expected to amount to \$8,300.

Bauer said a combination of gravel and limestone will be used to grade township roads, which is more expensive than using only gravel.

Over-all, the approved budget was about 1.5 percent higher than

the fiscal year 1985-86 budget of \$204,537.

Elected township officials were voted a 4.8 percent increase in salaries, moving the supervisor's salary up to \$7,200, and the clerk's (Arlene Bareis) and treasurer's (Betty Messman) salary to \$6,000. The supervisor also makes some additional money for helping the township assessor.

Charles Trinkle and Robert Heller, the township trustees, make \$100 per meeting, Bauer said.

In addition, the township board approved some town hall renovations, including the painting of the interior, and exterior trim, and the refinishing of the floors.

Bauer said the township approved no major purchases, and no changes in the meeting schedule for this year. Regular meetings are on the first Monday of each month.

# The Chelsea Standard

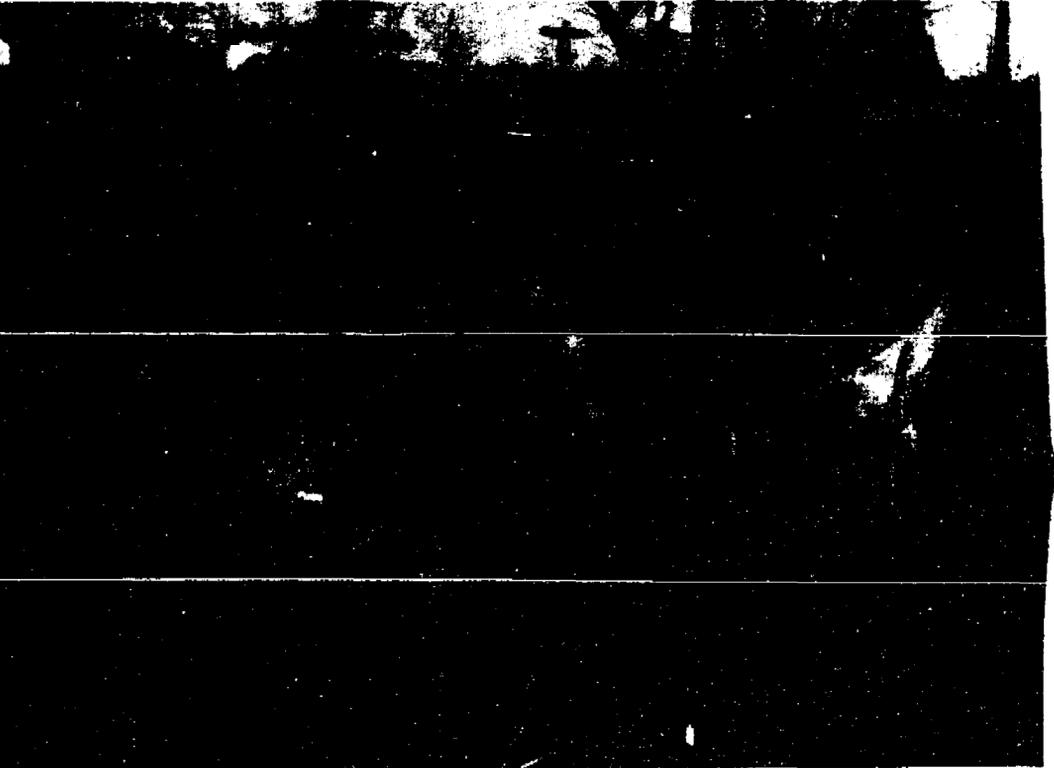
Section 2

Chelsea Michigan, Wednesday, April 2, 1986

Pages 9-20



MAPLE SAP is heated in this evaporator made from a 300-gallon milk tank. The tank sits on a firebox made of a heavy boiler plate. Pallet wood is used to start a hot fire. When the sap is heated, some of it can be boiled down more quickly in the old 12-gallon iron kettle.



MAPLE SYRUP MAKERS CAN SIT A SPELL and watch the sap boil in the faithful 12-gallon antique kettle, which is vented by a chimney. The boil-down process must be watched to avoid boil over.

## Farm Families Join in Early Spring Maple Syrup Making

Ah, farm life, the sweetness and tranquility of it, at times. Especially sweet in the spring, when frigid air and snow are no longer to be reckoned with.

March winds have dried up the barn-yard muck, and baby animals are born. And, maple sap is running strong.

On a day like last Friday, a farmer might take a deep breath of fresh air, shed layers of heavy winter clothing, and meet the long-awaited bright sun before

the labors of summer begin.

This story is about a maple sugar operation about 10 miles south of Chelsea which some "townies" might refer to as the "boonies." It's an annual special event for one part-time farmer, his wife and three boys, and the families of two nearby full-time farmers. They are tapping sugar and other maple trees on their properties, and boiling it down to syrup on the gentleman's farm where the evaporating equipment is set up.

So special is this maple sugar tune to them, and it is a long-time family tradition, that they wish to keep the tranquility of it—just that and not advertise to the public their whereabouts. All the fruits of their combined labor result each year in about 30 gallons of pure maple syrup, and once-in-while a few pounds of maple sugar candy. This supply is added as a treat or delicacy to their family larders.

Maple sugar season lasts about three weeks in March in southern Michigan. To gather the some 1,200 gallons of sap needed for this operation, rounds are made at least once each evening to empty the 88, 2 1/2-gallon pails into 30-gallon garbage cans and a few old milk cans. Our local family hauls a wagon by tractor to collect sap. Loaded with kids, cans, and sometimes friends, or a visitor from The Chelsea Standard it heads out each evening.

"Wear your boots, and warm clothes," they caution. "Be prepared to get mud in your eye the first week, and hang onto the wagon rail tight as it lurches when gears are shifted." Up a

country road, over a hill, and down a lane next to an abandoned farm. The only sound is the grinding and chugging of the tractor, and children screeching or laughing. This old lane doesn't even seem passable, its so deep in mud, much to the delight of the kids who jump in.

These maple trees are tapped with a modern spiel, and metal pails are hung on the hook. A fence-like lid covers them to keep rain out.

Freezing temperatures at night are absolutely essential to successful maple sugaring because it retards the sap from reaching the tree buds. On a warm sunny day the sap flows heavily. "Two trips to the sugar bush," our family reports during those ideal conditions.

Back at the farm the sap is emptied into a newly devised 300-gallon evaporator made by their neighbor from an old stainless steel bulk milk tank. It has two lids and a faucet at one end. It sets on a firebox made of boiler plate for a hotter fire. They use their antique 12-gallon iron kettle for the cook-down process.

An estimated one-cord of wood is burned to cook down 10 gallons of syrup. Fires are kept burning day and night. As sap evaporates, more can be added, thus hours used for cook-down are hard to keep track of.

Now comes the tranquil part. Night air is windy and crisp and filled with sugar aroma. You may keep warm around the fire watching the pot boil. Cups are filled with the hot thin sap to taste and use as a warming brew.

(Continued on page 13)

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JESSE AND JOSH BRAND work on collecting sap from two tall maple trees in front of David and Sherry Brand's farmhouse on Sylvan Rd. Jesse, left, a sophomore at Chelsea High school, is pouring sap from a 2 1/2 gallon pail removed from the spiel into an old milk can, as brother Josh, a fifth grader at South school helps out. The sap will be taken to the evaporator set-up.

# SPORTS



## Bulldog Girls Track Team Looks Like A Solid Title Contender

Paced by five returning Southeastern Conference champions, two regional champions, and a state champion 3,200 meter relay team, the Chelsea high girls track team promises to be a league contender this season.

Hurdler Amy Wolfgang and discus champion Cris Zerbel, the top two scorers from last year's squad, are back, along with sprinter, and captain, Susan Jacques.

The entire state champion relay team, Kasey Anderson, Salbie Wilson, Amy Wolfgang and Laura Damm, is also back.

"We seem to be solid in all areas, with maybe a couple of weaknesses in the jump events," said coach Bill Bainton, who has 42 girls out for track this spring. "We should be better than last year, but I think most of the league has improved, too, so our record may not show it."

The Bulldogs finished 5-2-1 in dual meets last season. The sprinters will be led by Jacques, who will compete in the 100, 200 and 400 meter races. She was a conference champion last season.

Other sprinters include sophomore Tami Harris, "one of the better young sprinters we've had in a while," Bainton said.

Eddie Harook, Cris Neuman, Carol Tassinari, Stephanie Harms, Heidi Knackerbocker, Danika Disbro, Calissa Tucker, Holly Baltzell, Helen and Suzanne Cooper, Debi Koehn, Jennifer Schwieger, Deanna Zaigara, Tricia Colby, Jennifer Harms, Tonya Grammatico, and Robyn Krichbaum will all play important roles in the sprint events. In many cases there hasn't been enough practice to tell exactly which events they're best suited for.

"We could have one of the best 800 meter relay teams we've had in five or six years," Bainton said. "We'll have Susan Jacques, Cris (Neuman), Tami Harris, Laura (Damm), and sometimes Amy Wolfgang."

Wolfgang will lead Chelsea hurdlers. She was undefeated in dual meets last season, but couldn't compete in the state meet due to an injury.

Debbie Tiff, Beth Kinny, and Shannon Dunn are also hurdlers.

In the distance events, the Bulldogs are loaded with talent since most of the cross country team is also out for track.

Sophomore Kirk Lawton is the apparent number one singles player. Senior Kim Collins, an all-conference performer, is back, along with Melanie Flanagan, Jennifer Rossi ("very much improved," Bainton said), Anderson, Wilson, Ann Brosnan, and Ann Muncer. Freshmen Kristen Truran and Leslie Mann will add depth to the team.

Zerbel probably has more experience in her events, the discus and shot put, than any other field event specialist has in any other event.

Amy Richardson, Dena Stevens, and perhaps Kathryn Morgan, will join Zerbel in the discus. Morgan also throws the shot.

High jumpers include Ann Becker, Shannon DuRussell, Kay Miller, and Sara Schaeffer.

Competing in the long jump are Disbro, Tucker, and Harook.

"If we could get through the league season with only one or two losses, I think that would make a very successful season," Bainton said.

"Saline should be very strong, and Lincoln came on strong the

last part of the season. I think the only team that might be down is Pinckney, so the season should be very tough, as usual."

The girls begin their season April 16 at Saline before hosting the Chelsea relays the following Saturday.



CHELSEA HURDLERS Amy Wolfgang, left, and Debbie Tiff work out during one of last week's beautiful spring days. Wolfgang was one of one of the leaders of this year's well-balanced team.

DISTANCE RUNNERS Melanie Flanagan, left, and Salbie Wilson go through a tough workout last week on the high school track. Wilson was on the state champion 3200 relay team, and Flanagan should be one of this season's top performers. Coach Bill Bainton thinks the team, and the Southeastern Conference, will be much improved.

## Tennis Team May Be One of Youngest in State

Chelsea tennis coach Rahn Rosentreter may have one of the youngest tennis teams in the state. The team may not win a lot this season, but watch out a couple of years from now.

The team has lost several key players from a year ago, but that doesn't seem to worry Rosentreter much. He says he likes the effort he's seen early in the season and is rarin' to go.

Sophomore Kirk Lawton is the apparent number one singles player.

German exchange student Bodo Schlaepfer has a shot at the number two spot.

Beyond that, Rosentreter said it's too early to tell.

The likely first doubles team will be seniors Chris Herter and Steve Worthing.

Senior Mike Merkel and sophomore Larry Moore is the apparent second doubles team.

Others on the squad include junior John Stevens, a singles player, junior Pat Cheag, sophomores Bob Pratt, Ed Fleishman, Jason Wolf and Mark Skiff, and freshmen Eric Prisinger, Eric Worthing, Jason Richardson, Adam Heeter, and Jason Overdorf.

"We are very, very young this

year, with four returning varsity lettermen," Rosentreter said.

"We have a lot of good sophomores and three strong prospects at the freshman level, which is exactly what you need to start something."

Chelsea essentially plays a non-league schedule since the only other Southeastern Conference schools to support tennis teams are Saline and Pinckney.

Chelsea opens the season at home next Tuesday against Pinckney.

This is Rosentreter's first season as head coach by himself. Last year he shared the duties with Terry Schreiner, who coaches the girls team in the fall.

## Adult Summer Softball Organizational Meetings Stated at High School

Organizational meetings for men's and women's softball leagues will be held Wednesday, April 16 for men, and Thursday, April 17 for women in the Chelsea High school cafeteria.

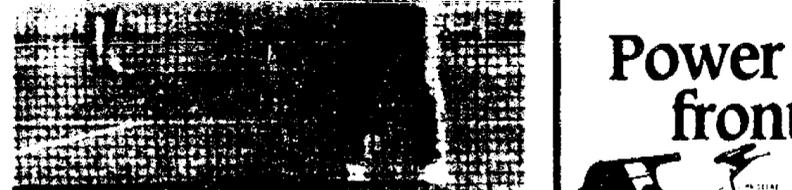
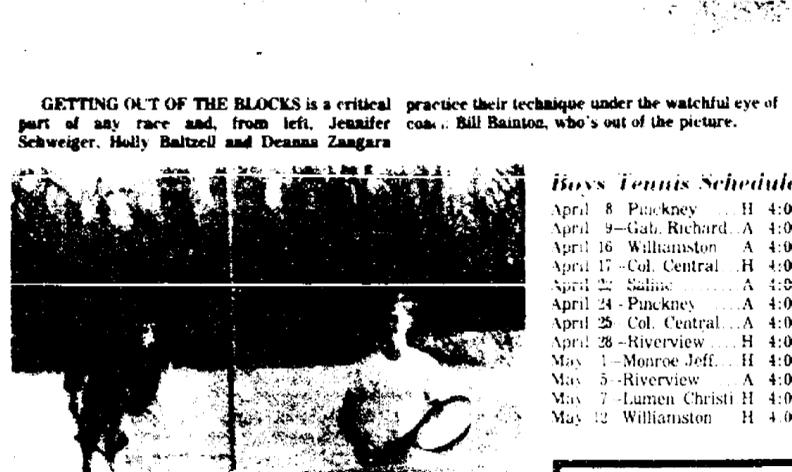
All interested players, coaches and/or team sponsors are encouraged to attend.



GETTING OUT OF THE BLOCKS is a critical practice their technique under the watchful eye of part of any race and, from left, Jennifer Schwiager, Holly Baltzell and Deanna Zaigara.



TOP DOUBLES COMBINATION of seniors Chris Herter, left, and Steve Worthing will be one of the mainstays of coach Rahn Rosentreter's tennis team this spring.



PROVIDING STRENGTH at second doubles will be senior Mike Merkel, left, and sophomore Larry Moore. Coach Rahn Rosentreter says his team is very young and potentially very talented.

## Kelly Hawker Pitching for Wayne State

Former Chelsea softball pitcher Kelly Hawker has a team-leading .048 earned run average with the Wayne State University Tartans this season.

Hawker, who started the season with a no-hitter, hasn't been so fortunate lately and has a 2-4 over-all record, losing her last four games.

Two of those four losses came under the International Tiebreaker Rule use in NCAA collegiate softball. That rule says that after a pre-determined time limit, and the score is still tied, a runner for the batting team is put on second base to start an inning, making it easier to score a run. Both teams are given the advantage, until one team scores and wins under normal softball rules.

Hawker pitched 23.5 innings of shutout ball before being scored upon in their Eastern Connecticut game, played in Columbia, S.C. She also went 26.7 innings before giving up an earned run.

## Boys Track Team Members Compete in Shamrock Invitational

Freshman Paul Hedding ran a 4:45 in the mile run, the first time he had ever competed in the event, at the Shamrock Invitational Track Meet at Siena Heights College March 22.

Chelsea's sprint medley team of Doug Webb, Mike Westhoven, Jeff Patterson and Hedding finished ninth.

Webb had a time of :08.4 in the 60-yard high hurdles.

Curtis Beard ran the 60-yard dash in :07.0.

## Amy Unterbrink Named MPP in Hall of Fame Classic

Former Chelsea softball star Amy Unterbrink was named the Most Valuable Player of the Hall of Fame Classic March 22 in Oklahoma City.

Unterbrink, who plays at Indiana University, pitched a no-hitter against Missouri. She holds a 10-1 record for the season.

Indiana was scheduled to face Louisiana Tech in the championship game March 29.

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### Boys Tennis Schedule

April 8	Pinckney	H	4:00
April 9	Galb. Richard	A	4:00
April 16	Williamston	A	4:00
April 17	Col. Central	H	4:00
April 22	Saline	A	4:00
April 24	Pinckney	A	4:00
April 25	Col. Central	A	4:00
April 28	Riverview	H	4:00
May 1	Monroe Jeff.	H	4:00
May 5	Riverview	A	4:00
May 7	Lumen Christi	H	4:00
May 12	Williamston	H	4:00

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# BOWLING



**PETE HANNA** was named the Most Valuable Wrestler for the 1985-86 squad. The senior was Chelsea High school's only competitor in the class B state meet, where he finished sixth in the 119 pound class.

## SPORTS NOTES

BY BRIAN HAMILTON

After Monday night's NCAA basketball tournament finale, there should be no doubt that Louisville coach Denny Crum is one of the finest coaches in the country.

The Cardinals should have been the number one team in the West region based on their talent alone. It was their record that made them a lower seed. And the reason their record wasn't better is that Louisville doesn't load up on patsies at the beginning of the season.

Crum gets his team ready for the tough tournament competition beginning at the start of the season. It obviously paid off this year.

CBS commentators Billy Paiker and Brent what's-his-name kept making a big deal about the dominance of Duke's backcourt throughout the contest, showing all kinds of comparative statistics, from who scored the most field goals to who eats the most cheeseburgers. What they forgot to mention is that Louisville, who was obviously scoring as many points as the Devils, was just as dominant in some other phase of the game. Otherwise, they wouldn't have scored so many points.

The Cardinals played superb defense, and, in the end, their inside game was too much for the Devils.

I'm not sure The Chelsea Standard has ever received as many news releases about former Chelsea High school athletes as it has this spring. And nearly all of them are about graduates of Charlie Walker's softball program.

So far we've received stories about both Beth and Amy Unterbrink (Beth at the University of New Mexico, Amy at Indiana University), Kelly Hawker (Wayne State), and Karan Wilson and Anne Weber (Siena Heights). There will probably be others.

It will be interesting to see which athlete's school sends us the most material. So far Kelly and Amy are about even in the publicity race. Kelly has the proximity edge (we tend to get more information from closer schools), but Amy has the status edge, since she's probably the top pitcher in the Big 10.

Indiana sends us information on a big red-and-white card, while Wayne State sends us everything and anything you'd want to know about the Tartans (last week's edition included about 20 pages), including what each student is majoring in. Kelly is listed as an education major.

If anything, this onslaught of material is just another good way of judging the quality of the softball program here. Quite a few colleges are proud to have our young women playing for them. That's a fine compliment.

This week there are about 45 fewer teenagers in town. More than half of them are in Gatlinburg, Tenn., with Walker and assorted other adults. The rest are with coach Wayne Welton, playing baseball in Venice, Fla. That leaves somewhere near 90 parents in town with a little more breathing room.

It's great those athletes get the chance to get away from what is usually lousy weather and concentrate on their sports. Being a coach in the spring season, in some ways, has to be rougher than at any other time of the year.

The coaches have to contend with a dramatically shortened season. They have to cram about 10 weeks of competition into six, since play begins the second week of April and ends before the end of May, unless they're fortunate enough to advance in post-season play.

But, while there's plenty of time to practice before the season begins, there's hardly any place to conduct a decent practice. The fields are rarely in any kind of good shape. Inside there's limited gym space.

Welton's team has been practicing from 6-8 a.m. He says he'd rather practice then than at any other time, but I'm sure that's only because his boys can't play outside with any reasonable degree of comfort. It was interesting watching them practice pick-off plays on the gym floor, with runners "sliding" on their bellies into second base, risking polystyrene burns.

Walker has mentioned that his pitchers take an extra step when practicing inside because they don't have a rubber to use. The pitchers spend part of their annual trip to Gatlinburg just raising themselves off that habit.

And how do you practice fielding on a gym floor? It must be similar to a major league team that plays all its home games on grass practicing on artificial turf during spring training.

For track teams the situation is just as bad, or worse. There certainly isn't any place to practice the shot put or pole vault. And how about trying to run a 100 meter dash in a 30 meter gym? Conditioning is about all they can do until the track is clear enough to use. Chelsea is fortunate to have one of the best tracks in the state.

All the tennis team needs is a dry court. But I still wouldn't want to practice overhead smashes in 30 degrees.

The only comfort is that all schools labor under the same handicaps. High school boys track coach Bill Wehrwein reports that nearly 75 youngsters at Beach school are trying out for track. That's a phenomenal number considering that enrollment is anywhere from 50-75 students less per class than any of the four classes at the high school. There are about 45 boys out for the varsity team.

I only hope Wehrwein and others can hold the youngsters' interest through high school.

Wehrwein is the sort of coach I would have wanted to have in high school. He was an accomplished runner in his day (in the 400 and 600 yard runs), and I'm sure he could still beat most high school kids.

But more important than the fact that he knows what he is doing is his attitude. Everytime I see him on the track he looks as though he wishes he could get right down in the blocks with the runners and compete. I get the impression that when it comes to track he still feels about 18 years old.

That has to be a positive influence. I remember watching him last fall as he was helping to run the store class B cross country meet. He probably had more fun than anyone.

What does it say about our national psyche when the Wall Street Journal is one of the major sponsors of Big Time Wrestling on one of the local cable TV channels?

### Wednesday Oulettes

Standings as of March 28

W	L
Chelsea Lanes	78 36
Inverness Inn	64 48
Martini	63 49
Merry's Paint & Body Shop	52 59
Chelsea Inn	54 56
Pharmacia	51 57
Lithographers Inc.	49 59
Chelsea State Bank	48 54
The Berry Patch	46 56
Kaiser Escavating	42 60

150 games and over: M. Rederick, 187; P. Martell, 159; M. Barney, 155; J. Keeser, 153; J. Spaulwood, 146; H. Hollister, 157; W. Kasser, 142; M. Johnson, 150; D. Judson, 160; D. Verwey, 172; S. Ritz, 157; M. Kraminski, 160; I. Porter, 150; C. Brooks, 150; J. Cavender, 173; 156; M. A. Walt, 156; 180; S. Buckberry, 181; 179; M. A. Heenan, 180; J. Hafner, 178; 180; M. Schmitt, 194; M. Hawley, 156; 178; 150; J. Brugh, 157; 154; M. A. Walt, 156; 178; 150; J. Brugh, 157; 154; 400 series and over: M. Hawley, 482; J. Hafner, 531; M. A. Walt, 480; J. Cavender, 456; S. Ritz, 483; M. McFarlane, 473.

### Leisure Time League

Standings as of March 27

W	L
Ups & Downs	216 425
Mudita	215 445
Shud-A-Ber	45 40 1/2
Sudley Beach	52 58
Just In	53 57 1/2
Lucky Strikers	54 57
The Favorites	56 56
4 of a kind	54 52
The Mondays	51 60
Snowed out	50 60
Late Ones	49 60 1/2
Musica & May	48 60 1/2

300 series: D. Keeser, 508; J. Hoffman, 529; 200 series: D. Keeser, 218; D. Hawley, 297; C. Hoffman, 280; D. Keeser, P. Borders, 210; 400 series: B. Robinson, 427; E. Heller, 488; H. Lancaster, 442; B. Basso, 486; P. McVittie, 489; M. Laney, 487; C. Collins, 484; P. Borders, 425; H. Hafner, 488; D. Hawley, 486; M. Nadson, 428; P. Weagang, 441; S. Friday, 484; B. Kier, 488; K. Hayward, 414; G. Wheaton, 488; J. Rammen-schneider, 424; T. Dell, 430; J. Armstrong, 425; M. Himmeldinger, 411; 500 series: 140 and over: B. Robinson, 153; 148; E. Heller, 154; 143; 143; H. Lancaster, 156; 153; D. Keeser, 149; 218; B. Basso, 143; 157; 176; P. McVittie, 179; 157; G. Brier, 142; C. Collins, 178; 141; J. Hafner, 143; 177; M. Nadson, 143; 148; P. Weagang, 157; 163; C. Hoffman, 142; 208; M. R. Cook, 153; S. Friday, 157; 172; B. Kier, 193; 143; K. Hayward, 152; G. Wheaton, 189; T. Dell, 153; 158; P. Whitman, 149; 149; J. Armstrong, 188; J. Calanese, 140; M. Himmeldinger, 187.

### Chelsea Suburban League

Standings as of March 28

W	L
Edwards Jewelry	136 74
Flow Kay	129 90
Chelsea Lanes	118 92
T. D. DeBouring	113 96
10 Hours Lock Service	112 96
Chelsea Eyeglass	103 107
Huron Valley Optical	102 108
Chelsea Auto Builders	100 110
Hug Boy	96 111
Frankies	93 117
Chelsea Pharmacy	88 121
Wassians	73 137

Games of 150 and over: S. Kulenkamp, 209; 180; 171; S. McCalla, 150; 178; S. Bassett, 154; S. Jankovic, 175; W. Gertler, 157; 167; G. Whitman, 178; 148; P. Perry, 159; G. Reed, 188; J. Baku, 174; 163; C. Thompson, 180; J. Hafner, 178; M. Hush, 174; J. Schuler, 199; M. Usher, 187; 180; K. Herrst, 194; K. Toban, 228; 190; K. Bauer, 167; 166; K. Powers, 156; D. Harker, 178; 173; D. Keeser, 157; D. Col-lins, 187; M. Sweeney, 181; 188; E. Schatz, 188; S. Schatz, 188; S. Grober, 175; M. A. Walt, 168; 197; M. Baggis, 198; M. Laney, 156; 163; G. Dufrenoy, 181; C. Miller, 189; S. Jackson, 173; 156; 200; P. Spaulwood, 194; E. Pastor, 180; 150; G. O'Quinn, 157; S. Whitman, 181; W. Jackson, 187; L. Bowen, 156; P. Harok, 200; 400 series and over: S. Kulenkamp, 564; G. Whitman, 473; J. Baku, 489; J. Hafner, 487; M. Usher, 488; E. Herrst, 478; M. Toban, 575; K. Bauer, 472; D. Hawley, 497; M. Sweeney, 477; M. A. Walt, 591; M. Laney, 482; S. Jackson, 477; E. Pastor, 473.

### Kahuna Mixed League

Standings as of March 23

W	L
Suppley Furnace	71 41
Fibby Farm Poles	69 43
Kinky Klammy Klan	67 45
North Lake Rollers	65 47
9th Rollers-Two	62 50
Table Trouble	62 50
Ma Gu	58 53
Madison II	58 53
Cash, Moore & Lades	56 56
All Stars	56 56
Ma & Thana Three	54 58
Shen-Gee	51 61
Whitewash	50 62
No-Screens	48 64
The Rookies	48 64
Headshots	38 74
Knip Foods	37 75

Women, high series, 180 and over: M. Van Orman, 178; I. Smith, 156; 157; J. Brugh, 183; 157; M. Kushmaul, 177; A. Brown, 188; P. Ferry, 158; E. Remke, 150; I. Goren, 154; H. Bales, 189; E. Heller, 150; 180; I. Herrick, 149; L. Larson, 158; 152; 400 series and over: J. Brugh, 485; E. Heller, 472; 400 series and over: J. Brugh, 485; E. Heller, 472; P. Keeser, 282; R. Van Orman, 178; D. Clark, 191; 215; D. Weaver, 174; R. Brugh, 172; 213; H. Smith, 198; J. Rasmussen, 177; 174; R. Rasmussen, 184; 174; D. Rank, 177; T. Ludwig, 171; 174; R. Bares, 210; Men, high series, 310 and over: D. Clark, 559; R. Brugh, 501; R. Ferry, 538; T. Ludwig, 512.

### Tri-City Mixed League

Standings as of March 28

W	L
Triangle Towing	68 23
3-D	61 30
Zak's	59 32

Men, 125 series: D. Bettson, 548; T. Schultz, 540; J. Harok, 541; D. Baku, 571; A. Hager, 538; Men, 200 series: A. Hager, 744; J. Harok, 718; D. Baku, 701; T. Schultz, 706; C. Gipson, 725; 226, 282.

### Chelsea Prep League

Standings as of March 23

W	L
Chelsea Lanes	142 34
Family Feed	113 63
Gato Drops	104 72 1/2
Chickadees	99 77 1/2
Lucky Strikers	84 93 1/2
Strikers	84 93 1/2
Fox Fire	80 138
Town Walls	80 138

Games of 180 and over: P. Urmann, 187; 184; 135; D. Hanson, 180; K. Jackson, 180; 114; D. Allen, 180; 183; E. Beeman, 118; 154; 120; E. Oberg, 119; S. Natta, 114; J. Navin, 111; 180; B. Pitts, 112; 180; M. Craft, 113; B. Martell, 115; C. White, 172; 171; 188; E. Greenleaf, 120; 128; 200 series and over: P. Urmann, 231; K. Jackson, 236; D. Allen, 231; E. Beeman, 238; E. Oberg, 208; J. Navin, 215; B. Pitts, 212; C. White, 484; E. Greenleaf, 381.

### Chelsea Lanes Mixed League

Standings as of March 28

W	L
Pat Four	118 91
Ann Arbor Centeries	119 91
Militars	117 93
Shankie	116 94
Gale's Tools	111 99
Howlett Hardware	111 99
Pat Busters	108 102
Bertha's Bargains	105 105
Wif Four	104 106
Whalays	104 106
The Thiers	98 112
Jan's See Inn	98 112
Wade Drivers	88 122
Woodlens	85 125

Women, 425 series and over: D. Hawley, 486; B. Torrance, 480; D. Keeser, 478; C. Bolzman, 437; J. Pagliaro, 445; E. Tindall, 537; C. Norman, 481; M. Laney, 431; D. Gale, 487; Men, 475 series and over: A. Hawley, 477; B. Torrance, 538; E. Keeser, 511; A. Bolzman, 480; D. Lowery, 497; M. Schmitt, 482; D. O'Leary, 449; J. Richmond, 530; J. Tindall, Sr., 567; H. Norman, 516; R. Zatorski, 541; 400 series: 150 games and over: D. Hawley, 178; 150; 191; B. Torrance, 179; 157; D. Keeser, 184; C. Bolzman, 171; A. Claxton, 180; 181; W. Bono, 157; L. Trivino, 158; B. Kasser, 181; J. Prohaska, 146; M. O'Leary, 176; M. Smith, 158; E. Tindall, 188; 148; C. Higson, 188; 151; M. Bess, 188; C. Parbery, 183; D. Gale, 181; Men, 175 games and over: A. Hawley, 188; J. Torrance, 180; 180; E. Keeser, 188; A. Bolzman, 187; M. Schmitt, 180; 205; R. Clark, 178; D. O'Leary, 180; J. Richmond, 180; J. Tindall, Sr., 183; H. Norman, 181; 176; P. Rover, 175; R. Zatorski, 198; 180.

### Rolling Pin League

Standings as of March 25

W	L
Jollyrollers	77 4 1/2
Tun Cap	73 8 1/2
Wonders	70 9 1/2
Pats	68 10 1/2
Trippers	68 10 1/2
Blondies	68 10 1/2
Koskar Katters	68 10 1/2
Grinders	68 10 1/2
Lollipop	67 10 1/2
Coffee Caps	66 11 1/2
Nagar Bowls	64 12 1/2
Brooms	64 12 1/2
Home Coasters	63 13 1/2
Subversives	63 13 1/2

500 series: A. Gray, 522; J. Smith, 515; P. Harok, 528; 400 series: P. Porter, 481; J. Cavender, 489; B. Basso, 480; M. Nadson, 489; R. Schmitt, 489; J. Shupak, 489; D. Keeser, 437; T. Dell, 481; M. Ritz, 448; J. Faust, 486; M. Baggis, 488; B. Weagang, 448; L. Helle, 480; S. H. Himmeldinger, 489; L. Claxton, 488; D. Kink, 488; G. Clark, 477; E. Schatz, 488; S. Herr, 488; E. Heller, 447; M. Wouster, 411; K. Johnson, 481; B. Mills, 482; J. Edick, 418; C. Staffer, 485; J. Guenther, 414; B. Robinson, 488; 300 series and over: J. Porter, 171; J. Cavender, 151; R. Hornung, 150; 140; 174; M. Nadson, 151; R. Musback, 156; 142; 142; J. Nappish, 163; D. Hafner, 147; D. Keeser, 156; 144; P. Himmeldinger, 147; T. Dell, 153; 143; M. Ritz, 156; 156; J. Fouts, 142; 159; S. Ritz, 156; M. Baggis, 156; 178; B. Haut, 150; H. Wolfgang, 150; 142; 148; C. Kielwasser, 145; S. Nicola, 149; L. Hollis, 187; B. Selwa, 178; 152; M. Rederick, 153; 180; L. Clouse, 148; 173; D. Kink, 151; 149; G. Clark, 145; 161; 171; J. VanMeer, 141; E. Schatz, 152; S. Harr, 159; E. Heller, 162; 148; M. Wouster, 142; K. Johnson, 150; 148; B. Mills, 157; 157; J. Edick, 164; M. Burtles, 140; 159; K. Weinberg, 145; C. Staffer, 172; 169; 149; J. Guenther, 171; B. Robinson, 176; 147; 145.

### Senior Fun Time

Standings as of March 25

W	L
Strikers	79 27
All Bad Luck	73 33
Bowling Splitters	70 32
Go Getters	68 32
Beesons & Co.	68 32
Tom Pops	58 42
Gochanor & Jean	58 42
Carl & Gals	58 42
S.S. & K.	56 44
Currys & Bill	53 47 1/2
High Rollers	48 52 1/2
Holiday Specials	48 52 1/2

Women, 150 games and over: A. Snyder, 128; 148; A. Hoover, 179; C. Norman, 175; M. Barth, 182; G. Croson, 168; 152; A. Holiday, 178; 148; G. DeGather, 168; 177; L. Parsons, 180; 188; 200 series and over: D. Lantz, 279; A. Snyder, 488; A. Hoover, 430; C. Norman, 448; M. Barth, 411; G. Croson, 413; A. Holiday, 448; D. DeGather, 437; L. Parsons, 511; A. W. Gochanor, 488; 150 games and over: R. Snyder, 171; J. Staffer, 182; H. Matthews, 200; M. Norman, 178; 188; M. H. Schmitt, 182; O. Beeman, 182; G. Beeman, 176; D. Bauer, 161; Men, 488 series and over: R. Snyder, 482; J. Staffer, 483; H. Matthews, 482; H. Norman, 532; H. Schmitt, 438; C. Lantz, 484; O. Beeman, 474; G. Beeman, 481; D. Bauer, 481; W. Gochanor, 481.

### Bantam Family League

Standings as of March 28

W	L
Pin Busters	78 35 1/2
Cabbage Patch Kids	70 44 1/2
Chelsea Blue Jays	66 49
The Pros	55 60

Games over 50: K. Pecker, 82; 82; C. Hatch, 81; A. Hatch, 70; 82; A. Schoening, 65; 64; L. Hatch, 178; 80; H. Schmitt, 184; 80; J. Tindall, Sr., 183; H. Norman, 181; 176; P. Rover, 175; R. Zatorski, 198; 180.

### Super Six League

Standings as of March 26

W	L
K of C Auxiliary	116 73
Highly Hopefuls	103 86
Chelsea Milling	90 90
The Classic Five	93 96
Bloopers	81 108
Sweetest Team	75 114

Games of 150 and over: J. Dunlap, 155; 197; S. Crow, 182; H. Hilligoss, 180; S. Thurkow, 202; 197; D. Borders, 188; 172; 169; T. Whitley, 190; A. Kasele, 187; R. Hummel, 171; E. Gondek, 188; A. Guerin, 157; B. Phelps, 153; 183; S. Steele, 155; K. Greenleaf, 175; 181; Series of 450 and over: R. Hilligoss, 483; S. Thurkow, 511; D. Borders, 528; A. Kasele, 482; R. Hummel, 482; E. Gondek, 484; K. Greenleaf, 454.

### Sunday Nite Come Ons

Standings as of March 23

W	L
Ain't Worth a Dam	74 31
Dynamic 4	77 35
Larson & Holmes	74 38
Over the Hill Gang	71 41
C & V	70 42
Williams Drinks	67 45
Waterloo Aces	62 50
89ers	60 52
Water Bugs	54 58
Gut Busters	52 60
Farr & Pearson	50 62
Me & You & the Other 2	48 64
Italia Bulls	47 65
Mace Attack	44 68
Roberts & Parker	40 72
Whatchamacallits	40 72
Captain & Crew	38 75
Pin Knackers	35 77

Women, 150 games and over: L. Foytk, 215; T. Fletcher, 151; R. St. Louis, 180; D. Fortner, 167; D. Vargo, 151; 162; C. Shudley, 150; C. Gyle, 178; 184; 189; J. Clouse, 151; 168; 158; M. Seifried, 178; B. Larson, 180; 180; 189; L. Kink, 151; J. Parke, 154; M. Kink, 167; 188; D. Kink, 172; E. Clouse, 161; Men, 175 games and over: R. Foytk, 307; 181; A. Rosenreiter, 182; M. Walt, 187; B. Calkins, 153; J. Shudley, 186; K. Larson, 188; 202; 181; D. Heeter, 194; B. Wahl, 177; 178; D. Clouse, 224; Women, 450 series and over: R. Foytk, 513; J. Shudley, 501; K. Larson, 509; B. Wahl, 517; D. Clouse, 546.

### Chelsea Bantams

Standings as of March 28

W	L
Pirates	92 43
Chelsea Lanes	88 47
Googies	80 55
Great Balls of Fire	75 70
Gutterballs	57 88
Team No. 5	33 102

Games of 60 and over: M. Mesner, 66; J. Lowery, 70; 82; H. Greenleaf, 74; 63; S. Renaud, 87; 63; S. Bolzman, 62; R. Craft, 100; 100; C. Schiller, 74; 96; J. Ansdill, 61; R. Ansdill, 65; Series of 120 and over: J. Lowery, 152; H. Greenleaf, 137; S. Renaud, 170; R. Craft, 200; C. Schiller, 170.





# Church Services

## Tree Seedling Deadline Date Draws Near

Washtenaw County Soil Conservation District reminds county residents that April 14, is the last day orders for tree and shrub seedlings will be accepted for the district's annual spring tree sale.

Seedlings still available include: Austrian Pine, Red Pine, White Pine, Norway Spruce, Black Hills Spruce, Colorado Blue Spruce, Douglas Fir, White Ash, Red Oak, Black Walnut tree seedlings; Silky Dogwood shrub seedlings; Emerald Crownvetch seed, and tree planting bars.

Also still available are wildlife packets suitable for wildlife food and cover. Packets have an assortment of 50 trees and shrubs which may include: White Pine, Red Pine, Blue Spruce, European Larch, Red Oak, Autumn Olive and White Flowering Dogwood. Packet contents may vary depending upon stock availability at time of packaging by the nursery.

All seedlings are offered on a first-come, first-serve basis, while quantities last. All planting stock will be available for pick-up on Saturday, April 26, at the Washtenaw County Road Commission Garage, on Zeeb Rd., Ann Arbor.

For further information about the tree sale and to obtain an order form, contact the Soil Conservation District Office, 6101 Jackson Rd., Ann Arbor 48103, telephone: (313) 761-6721.



THE RENEW BANNER in the background refers to the process of spiritual renewal based chiefly on scripture. 70 parishioners of St. Mary's church celebrated Lent by attending a community retreat at St. Mary's school, chaired by Ed and Micki Hurst. Above parishioners enjoy lunch under the renewal banner.

**Assembly of God**  
**FINST ASSEMBLY OF GOD**  
 The Rev. Phil Farnsworth, Pastor  
 Every Sunday  
 9:30 a.m. - Sunday school  
 11:00 a.m. - Worship service and Sunday school nursery for pre-schoolers  
 4:00 p.m. - Evening worship  
 Every Wednesday  
 7:00 p.m. - Christ's Ambassador's Bible study and prayer

**Regisist**  
**GREGORY BAPTIST**  
 The Rev. W. Francis Cochran, Pastor  
 Every Sunday  
 9:30 a.m. - Sunday school  
 11:00 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 Myers, Pastor  
 The Rev. Roy Burdick, pastor.  
 652-7888  
 Every Sunday  
 9:30 a.m. - Worship service at the Robinson Hall

**Catholic**  
**ST. MARY**  
 The Rev. Fr. David Philip Dupont, Pastor  
 Every Sunday  
 8:00 a.m. - Mass  
 10:00 a.m. - Mass  
 12:00 noon - Mass  
 5:00 p.m. - Mass

**Christian Scientists**  
**FIRST CHURCH OF CHRIST SCIENTIST**  
 1888 Washtenaw Ave., Ann Arbor  
 Every Sunday  
 10:30 a.m. - Sunday school, morning service

**Church of Christ**  
**CHURCH OF CHRIST**  
 1281 Old US-12, East  
 Every Sunday  
 9:30 a.m. - Bible classes, all ages  
 10:30 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**  
 1888 Old US-12  
 Directly across from the Fairgrounds  
 The Rev. Fr. Jerald F. Brantson, O.S.P.  
 678-8888 or 673-8779  
 Every Sunday  
 Youth Inquiries class  
 9:00 a.m. - Act of Service  
 9:30 a.m. - Church school  
 10:00 a.m. - Worship service  
 10:30 a.m. - Eucharist (Holy Communion), first, third and fifth Sundays  
 10:30 a.m. - Morning Prayer, second and fourth Sundays (Bible Communion available immediately following prayer)  
 10:30 a.m. - Church school, K-12  
 11:00 a.m. - Family coffee hour  
 11:00 a.m. - First Sunday of the month, post-lunch dinner  
 Nursery available for all services.

**Lutheran**  
**FAITH EVANGELICAL LUTHERAN**  
 The Rev. Mark Porsvold, Pastor  
 Wednesday, April 3  
 7:00 p.m. - Service Council  
 8:00 p.m. - Vespers meeting  
 Sunday, April 6  
 8:00 a.m. - Worship with Lord's Supper  
 10:00 a.m. - Sunday school for adults and children  
 Monday, April 7  
 Conference in Warren  
 7:30 p.m. - PTO meeting  
 Tuesday, April 8  
 Confirmation in Warren  
 6:30-7:00 p.m. - Confirmation class  
 Wednesday, April 9  
 Faculty meeting  
 7:30 p.m. - Choir

**OUR SAVIOR LUTHERAN**  
 1843 S. Main, Chelsea  
 The Rev. Franklin H. Gerbel, Pastor  
 Every Sunday  
 9:00 a.m. - Sunday school and Holy Eucharist  
 10:30 a.m. - Worship service with Holy Communion

**ST. JAMES EVANGELICAL LUTHERAN**  
 12601 Bristow Rd., Grand Lake  
 The Rev. Andrew Bloch, Pastor  
 Every Sunday  
 9:00 a.m. - Sunday school  
 10:15 a.m. - Divine services

**ST. THOMAS LUTHERAN**  
 Ellsworth and Hoag Rds.  
 The Rev. John Riese, Pastor  
 Sunday, April 6  
 9:15 a.m. - Coffee and donuts  
 9:30 a.m. - Sunday school and Bible class  
 10:45 a.m. - Worship with Holy Communion  
 Monday, April 7  
 7:30 p.m. - Bible study - Romans at Schwaner's  
 Tuesday, April 8  
 6:30 p.m. - Catechism  
 7:30 p.m. - Bible study - Empowered to Respond

**TRINITY LUTHERAN**  
 5788 W-36 Three miles east of Gregory  
 William J. Trovati, Pastor  
 Every Sunday  
 9:30 a.m. - Worship service  
 10:30 a.m. - Sunday and Bible school  
 10:45 a.m. - Worship service

**ZION LUTHERAN**  
 Corner of Fletcher and Waters Rd.  
 The Rev. John R. Morris, Pastor  
 Wednesday, April 3  
 7:00 p.m. - Women of Zion general meeting at St. Louis School  
 Friday, April 5  
 8:00 p.m. - Family fun night and fellowship  
 Saturday, April 6  
 9:00 a.m. - 7th grade Youth Instruction  
 4:00 p.m. - Bycraft/Huba wedding  
 Sunday, April 7  
 9:30 a.m. - Sunday school for all ages  
 10:30 a.m. - New Young Parents class  
 10:15 a.m. - Worship with Holy Communion  
 Tuesday, April 8  
 Spring Convocation at Trinity Seminary, Columbus, O.  
 4:00 p.m. - Joyousness  
 7:15 p.m. - Senior Choir  
 7:30 p.m. - Shabbat  
 Wednesday, April 9  
 7:00 p.m. - Women meeting  
 8:00 p.m. - Church Council

**Methodist**  
**CHELSEA FREE METHODIST**  
 700 Warburton Rd.  
 Mostl Bradley, Pastor  
 Wednesday, April 3  
 6:00 a.m. - Bible quiz practice  
 7:00 p.m. - Mid-week service  
 Saturday, April 5  
 10:00 a.m. - 12 noon - Children's banner party  
 Sunday, April 6  
 9:00 a.m. - Sunday school  
 11:00 a.m. - Morning worship  
 6:00 p.m. - Evening worship  
 8:00 p.m. - Film, The Heritage  
 Monday, April 7  
 10:00 a.m. - Board, Ann Arbor  
 7:00 p.m. - Pastor Bradley  
 Tuesday, April 8  
 Pastor's Prayer Day, Spring Arbor  
 7:00 p.m. - Women's group  
 Wednesday, April 9  
 6:00 p.m. - Bible quiz practice  
 7:00 p.m. - Mid-week service

**SALEM GROVE UNITED METHODIST**  
 1228 Nottan Rd.  
 Donald Woolam, Pastor  
 Every Sunday  
 9:30 a.m. - Church school  
 10:30 a.m. - Morning worship

**FIRST UNITED METHODIST**  
 Parks and Territorial Rds.  
 The Rev. Larry Nichols and  
 The Rev. David Goldsmith, Pastors  
 Every Sunday  
 10:00 a.m. - Sunday school  
 11:15 a.m. - Worship service

**WATERLOO VILLAGE UNITED METHODIST**  
 818 Washington St.  
 Rev. Larry Nichols and  
 The Rev. David Goldsmith, Pastors  
 Every Sunday  
 10:00 a.m. - Sunday school  
 11:15 a.m. - Worship service

**FIRST UNITED METHODIST**  
 128 Park St.  
 The Rev. Dr. David Treman, Pastor  
 Wednesday, April 2  
 3:30 p.m. - Organizing Bell Choir in the Social Center  
 7:30 p.m. - Praise Choir  
 8:30 p.m. - Glory Choir  
 9:30 p.m. - Shabbat Rangers, Theatricals  
 10:00 p.m. - Chancel Choir  
 Thursday, April 3  
 6:30 p.m. - Prayer Group meets in church school annex  
 7:30 p.m. - Study Group meets in annex  
 Sunday, April 6  
 8:15 a.m. - 12:00 p.m. - Crib Nursery  
 9:30 a.m. - Worship service  
 10:30 a.m. - Eucharist activities for preschoolers and older  
 11:00 a.m. - Kindergarten, first and second graders leave worship service for their enrichment activities  
 1:30 a.m. - Fellowship and coffee  
 4:00-10:00 a.m. - Church school classes for all ages  
 11:00 a.m. - Worship service  
 11:30 a.m. - Enrichment activities for preschoolers (two and older)  
 12:00 p.m. - Kindergarten, first and second graders leave worship service for enrichment activities  
 12:00 noon - Fellowship and coffee  
 4:00 p.m. - Senior High UMYF  
 Tuesday, April 8  
 7:00 p.m. - CPN class upstairs, Education Building  
 7:30 p.m. - Parish staff meets  
 Wednesday, April 9  
 3:30 p.m. - Praise Choir  
 4:30 p.m. - Choir  
 8:30 p.m. - Rainbow Rangers  
 7:15 p.m. - Theatricals  
 8:00 p.m. - Chancel Choir

**METHODIST HOME CHAPEL**  
 1000 S. Main  
 Every Sunday  
 8:45 a.m. - Worship service

**UNITED METHODIST CHURCH**  
 1411 North Territorial Road  
 The Rev. Sandra Wiltsie, Pastor  
 Every Sunday  
 10:00 a.m. - Worship service  
 11:00 a.m. - Fellowship hour - Sunday school

**SHARON UNITED METHODIST**  
 Corner Pleasant Lake Rd. and M-42  
 The Rev. Evans Bentley, Pastor  
 Every Sunday  
 10:00 a.m. - Sunday school  
 11:00 a.m. - Worship service

**Mormon**  
**CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS**  
 1209 Frear Rd.  
 Wayne L. Whinn, president  
 Every Sunday  
 9:30 a.m. - Sacrament  
 10:30 a.m. - Sunday school  
 11:00 a.m. - Priesthood

**Non-Denominational**  
**CHELSEA CHRISTIAN FELLOWSHIP**  
 317 Williamson St.  
 Erik Hansen, Pastor  
 Every Sunday  
 10:00 a.m. - Learning from God's word  
 10:30 a.m. - Morning worship, prayer, service and Jesus church  
 8:00 p.m. - Bible instruction and fellowship  
 Every Monday  
 7:00 p.m. - Faith, Hope and Love, women's ministry. Location to be announced  
 Every Second Tuesday  
 7:00 p.m. - Royal Ranger Christian Scouting  
 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  
 8:00 a.m. - Breakfast  
 8:30-10:00 a.m. - Program

**CHELSEA FULL GOSPEL**  
 1402 Jackson Rd.  
 The Rev. Chuck Orenson, Pastor  
 Every Sunday  
 10:00 a.m. - Sunday school  
 11:00 a.m. - Morning worship  
 6:30 p.m. - Evening worship  
 Every Wednesday  
 7:00 p.m. - Mid-week prayer and Bible study

**CHELSEA HOSPITAL MINISTRY**  
 Every Sunday  
 10:00 a.m. - Morning service, Chelsea Community Hospital Cafeteria

**COVENANT**  
 50 N. Frear Rd.  
 The Rev. Ron Stenhouse, Pastor  
 Every Sunday  
 9:30 a.m. - Church school  
 10:30 a.m. - Worship service - child care provided

**DEBIAZEL BIBLE**  
 141 Somerset St.  
 Neil Clark, Pastor  
 Every Sunday  
 9:45 a.m. - Sunday school, nursery provided  
 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

**MT HOPE BIBLE**  
 1884 Trus Rd., Grand Lake  
 The Rev. Ken Babberton, Pastor  
 Every Sunday  
 10:00 a.m. - Sunday school  
 11:00 a.m. - Morning worship  
 6:00 p.m. - Evening service  
 Every Wednesday  
 7:00 p.m. - Bible study

**NORTH SHARON BIBLE**  
 Sylvan and Washburn Rds.  
 The Rev. Timothy E. Booth, Pastor  
 Every Sunday  
 10:00 a.m. - Sunday school  
 11:00 a.m. - Morning service  
 6:00 p.m. - Senior High Youth meeting, Youth Choir  
 7:00 p.m. - Evening worship service, nursery available. All services interpreted by Deaf interpreters  
 Every Wednesday  
 7:00 p.m. - Bible study and prayer meeting, nursery available. Bus transportation available. 628-7223

**Presbyterian**  
**FIRST UNITED PRESBYTERIAN**  
 Undellie  
 John Martin, Pastor  
 Every Sunday  
 11:00 a.m. - Worship service

**United Church of Christ**  
**BETHLE EMANGELICAL AND REFORMED**  
 Freedom Township  
 The Rev. Roman A. Reineck, Pastor  
 Every Sunday  
 10:00 a.m. - Worship service

**CONGREGATIONAL**  
 121 East Middle Street  
 The Rev. John Gibson, Pastor  
 Sunday, April 6  
 10:30 a.m. - Nursery for preschoolers  
 10:30 a.m. - Sunday school  
 10:30 a.m. - Worship service  
 11:30 a.m. - Coffee and Fellowship gathering

**ST. JOHN'S**  
 Rogers Corners, Waters and Fletcher Rds.  
 The Rev. Theodore Wumler, Pastor  
 Every Sunday  
 10:30 a.m. - Worship service - Sunday school

**ST. JOHN'S EVANGELICAL AND REFORMED**  
 Frankies  
 The Rev. Paul McKenna, Pastor  
 Every Sunday  
 10:30 a.m. - Sunday school and worship service  
 First Sunday of every month - Communion

**ST. PAUL**  
 The Rev. Edwin R. Koch, Pastor  
 Sunday, April 6  
 9:00 a.m. - Church school classes  
 10:30 a.m. - Church school classes  
 10:30 a.m. - Morning worship, Dr. Herman Haller, Association conference minister, Covenant Association, guest speaker, Mrs. Deger Hamilton, liturgist  
 Tuesday, April 8  
 10:00 a.m. - Children's Center - Liaison Committee  
 7:00 p.m. - Church Growth Task Force  
 Wednesday, April 9  
 8:30 p.m. - Children's and Youth Choir  
 7:00 p.m. - Chancel Choir  
 7:00 p.m. - Youth In Action strategy planning meeting, Faith In Action House hospital grounds

*A Friendly Church*

Active Christian fellowship in church-school, worship, music and caring.

**WORSHIP SCHEDULE:**  
 Crib Nursery, 8:15-12 noon  
 Worship Service, 8:30 and 11:00 a.m.  
 Church School Classes, 9:45-10:45 a.m. (2-years-old through adult)

For complete schedule call the church office at 475-8119

**First United Methodist Church**  
 128 Park Street, Chelsea  
 Dr. David W. Turan, Pastor

**IS THERE A NEED?**

Do you have a burden for a Bible teaching, soul winning, baptistic church within the area bordered by Dexter, Plinckney, Chelsea and Stockbridge?

If you also see the need for a new aggressive loving fellowship in this area, please respond to:

**Jack Hoffman**  
 Box 293 Garden City, Michigan 48133

The sloth, which travels upside down through the trees, rarely descends to the ground, sleeps hanging from a branch, and spends nearly its whole life hanging upside down.

## Maple Syrup Making

(Continued from page nine)

"What's really nice is to warm up your cooled sap with some hot sap," our family reveals.

Today may be their last trip to the maple trees. "I think our syrup season ended with a bang. It happens like this. You go down in the woods and it's just not there." Today's yield was 29 gallons of sap, and the biggest yield was around 120 gallons in one day.

When the sap boils over, quick action stirs around the fire as it is calmed with a pan dipped to aerate the sap, or cold sap is added, or a board is placed on top.

Legal syrup, ready to be bottled, must reach a temperature of 77° above the boiling point. This will be good syrup.

Neighbor, farmer Jones, dropped in to watch the pot boil, bring a few "bally laughs," and fill this story in with facts and history. Our family and farmer Jones answered questions on their maple sugar tradition as follows:

"Farmers used to do this for a cash crop each spring to buy seed. Nothing much was going on, ground was frozen or wet."

"Old timers used to mostly make the coarse maple sugar because refined white sugar just was not available, it was a delicacy. Now home-made maple sugar is the rare treat."

"Pioneers learned about maple sugar from the American Indians.

"Europeans were not aware of this method of collecting sugar until settling this country."

"A primitive Indian method of gashing the trees with axes, and collecting sap in bark was improved upon by settlers when they collected sap in hollowed out logs and boiled it in their iron kettles.

"Their favorite sap spiel was an elderberry stick with the pith punched out for a hollow tube.

"Maple trees with a short bole (trunk) and bushy top may yield 4% sap, a tall bole with sparse top may yield 1% sap. You measure percent of sugar in sap with a hygrometer."

Farmer Jones concluded, "The title of this story should be, 'Hard Work'." Hard work was wood chopped in the spring in addition to house wood. Pallets were gathered and split to be used to start a good hot fire. Long hours were spent. When the sap stops running plugging tree wounds with wood dowels and cutting flush with bark takes more time. Evaporator, pails, kettles, cans all must be scalded clean and stored. Hard work is rewarded and remembered, however, the rest of the year when pancakes are cooked over this family's wood-burning stove, and served with hot pure maple syrup."

Many of their friends will receive the bottled syrup as a delectable gift, or better yet, they have witnessed or helped with the maple sugar procedure during those three weeks in spring. Some things money just can't buy.



DICK SHANEYFELT tries an unusual community retreat held at St. Mary's church attention-getting device while witnessing at the school March 22 in celebration of Lent.

# Renew Meetings Held At St. Mary's for Lent

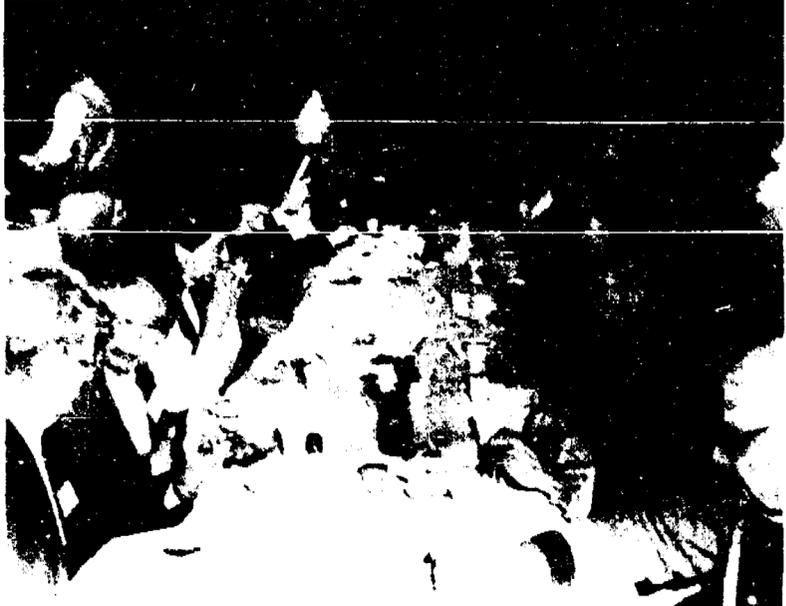
Lent has always been the Christian time of renewal. It is the time of year when we cast out the old leaven of sinfulness and begin to live a life of new purity. We strive to "put on the Lord Jesus Christ."

Catholic Christians of St. Mary's celebrated Lent this year in concert with thousands of other Christians through participation in the Renew process... a program of spiritual renewal based chiefly on Scripture and small group faith-sharing.

Six weekly small group meetings (each semester) provide a rare opportunity to share one's faith, to listen more closely to the Holy Spirit and to witness that God has called us, sanctified and healed us as individuals, families, neighbors and parishioners.

This semester's theme is "Discipleship." Last week Micki and Ed Hurst (Renew Large Group chaircouple at St. Mary's) invited parishioners to a day-long retreat held at St. Mary's school hall. Some 70 people attended. Many had never experienced a community retreat before—a retreat stresses going to God as a group, rather than individually. Toward this end, the retreat included "ice breaker games," group singing, speakers from our own community, group meditation, a Group Penance Service, and Mass.

Everyone agreed the day was most successful in bringing all closer to God and to each other.



SERVING UP SOUP to parishioners at a retreat held at St. Mary's school hall March 22 are Micki and Ed Hurst. Ed and Micki were chaircouple of the retreat, attended by 70 people.



CELEBRATING MASS at the end of the day-long retreat at St. Mary's school was a festive occasion for the 70 parishioners who attended. Micki and Ed Hurst were chaircouple of the event at St. Mary's school, a celebration of Lent.

PAGE DEADLINE: Noon, SATURDAY Phone 475-1371

# PUT IT IN THE WANT ADS FOR RESULTS

Just Phone 475-1371

### Automotive

#### Grohs Chevy

Ride With A Winner 7120 Dexter, Ann Arbor, No. 1 Dealer in Customer Satisfaction Beat the 2.9% Price Increase on all new Chevys effective April 13, 1986 Firm orders placed before this date will be price protected at the old price.

- 1986 SPRINT 4 to choose from
- 1985 MONTE CARLO SS
- 1983 CELEBRITY 2 dr.
- 1982 CHEVY 1 ton Pick Up 4x4, Like new, 28,000 actual miles
- 1982 OLDS TORONADO
- 1982 LYNX 2 dr. 4 speed \$1,995
- 1981 CHEVETTE 4 dr. automatic
- 1980 GMC 1 ton 4x4 40,000 miles

Come by and see our THRIFT LOT of Cars & Trucks until 5:00

#### TRUCKS

- 1984 S10 Buckets, V-6 stick
- 1984 DOODGE pass van
- 1983 S10 EXT. CAB 4 cyl. auto
- 1979 FORD F250 4x4 Auto.
- 1978 CHEVY work van
- 1977 FORD VAN
- 1976 RAM CHARGER
- 1970 IHC Flarbed With hoist

#### DEXTER - 426-4677

Open daily 10 a.m. Mon & Wed. to 8 p.m. Saturdays until 1 p.m.

- 79 SUBURBAN 4x4 good condition, no rust, new radial tires \$2,800. PH. 517-784-6911
- STEEL WHEEL RIMS 4 for \$20. Call 663-8228 after 5 p.m.
- G.M. 12-volt differential \$75. Call 663-8228 after 5 p.m.
- 78 SUBARU 4 wheel drive for sale Runs good \$900. Phone 426-9423 x13.2

#### GREAT BUY

1976 Mercury Cougar excellent condition. Little sport use. Must call 475-1537 Sat & Sun ONLY

**If You Need Work Come to Kelly Services**

**We'll Keep You Busy!**

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**IMMEDIATE OPENINGS for the Following Experienced Clerical Skills:**

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Call for Appointments Between 9 a.m.-3 p.m., M-F

**KELLY SERVICES**  
The "Kelly Girl" People  
Williamson Square II  
475 Market Place, Suite F  
Ann Arbor, Michigan 48104  
Telephone (313) 761-5700

106 Not an agency. Never a fee. M.F.N.

### For Sale

LET US SELL YOUR CAR! We can save you the trouble of selling your car. Call Don Poppenger at Wash. County Auto Finders - Palmer Motor Sales 475-3650. 1st

#### BODY SHOP

COMPLETE FULL TIME Estimates Available

#### PALMER FORD

222 S. Main 475-1301 17H

#### Motorcycles

76 HONDA 750 with shield and saddle for sale. \$750. Ph. 428-9423 x45-2

#### Farm & Garden

FARM TRACTOR - 55 Ford Series 650, 5-ft. blade, chains, drawbar plus miscellaneous. \$3,300. LAWN TRACTOR - Wheelhorse 11 h.p., 38 mowing deck, 42" snow thrower, trailer. \$2,400. Ph. 475-9414. x42H

W.D. ALLIS-CHALMERS tractor 1946. Dual wheels, three fourteen plows. \$750. Ph. 475-8672. x44-2

FARM TRACTORS for sale. Used, small. Ph. 475-8141 or 475-8726. x27H

#### MICHIGAN CERTIFIED SOY BEAN SEED

Hodgson 78 Corsoy 79 Elgin

#### BRABLE FARMS

Britton, Michigan 49229 Ph. (517) 451-4010 (517) 423-3478 x43H

#### SPRING PLANTING

NOW AVAILABLE - Lilies, Rhubarb, Gladioli, Onion Sets, and Dahlias at the Chelsea Hardware 45-2

#### ALFAFA HAY for sale

Ph. 475-8446 x44

#### BLACK DIRT & PEAT

6 yards delivered \$50. Satisfaction guaranteed. Call 428-7784. x52-9

#### Recreational Equip.

74 COMA 17.5 outboard with 75 h.p. Johnson and trailer. \$2,100 or best offer. (313) 425-1713. x44

#### PADDLE BOAT wanted in good condition and reasonably priced

475-8317 x44

#### MOPED FOR SALE

new 475-2379 x44

#### 250 HONDA MOTOR BIKE \$100

Ph. 475-3418 x44

#### For Sale

#### All Insurance Needs

Call 665-3037

#### N. H. Miles, Allstate.

44

#### FREEZER

Kelvinator 20 cu. ft. chest. Excellent condition. \$175. 475-2421 x52-2

#### RELIABLE HARDWOODS

Seasonal. Shrewood Ph. 475-1505 x45

#### WHIRLPOOL GAS DRYER \$75

Please call 426-9423 x44-2

#### FM STEREO TUNER for any 8 track player

\$15. Audiovox tape deck lock mount never used. \$10. Car radio Delco AM 8 track player. \$25. Call 663-8228 after 5 p.m. x30H

#### G.M. 12-volt differential \$75

Call 663-8228 after 5 p.m. x30H

#### DRILL PRESS

Shop Smith, works good. Ph. 662-1771 x27H

#### COIN OPERATED PINBALL & VIDEO GAMES

FOR HOME USE Call 662-1771 x18H

### For Sale

#### FOR SALE

LAWN SWING-GLIDER old fashioned \$25

DOG HOUSE - Custom, deluxe for large dog. Triple insulated \$75

WOOD BURNING FURNACE add-on \$350

BAR SINK new \$45

SMALL BAR REFRIGERATOR 1.7 cu ft. never used \$95

SHELVING - Several metal and wood wall units.

REFRIGERATOR - Good backup \$60.

GAS CHARCOAL BROILER - Double unit with spit! \$100

WORK BENCH, custom built, 25 drawers, 12 ft. Best offer.

150 GLASS JARS - Full of screws bolts, etc., with wash-holder. \$150

MISCELLANEOUS WOOD, includes firewood and some 2x4's and 2x6's, take oil \$35.

KEROSENE HEATERS - Kerosen Radiant 8, 7 500 BTU. \$75 Sears, 19,700 BTU \$110.

LAWN TRACTOR, Wheelhorse, 11 h.p., 36" mowing deck, 42" snow thrower, trailer, chains and wheel weights. \$2,200

FARM TRACTOR - 55 Ford, Series 650, 5-ft. blade, chains, drawbar plus miscellaneous. \$3,200

Phone 475-9414 x44H

#### DINETTE TABLE - Grey Formica and 4 chairs. \$50. Call 663-8228 after 5 p.m. x30H

#### MEN'S ENGLISH RIDING BOOTS, size 7. Ph. 475-7297. x44

#### WEDDING STATIONERY

Prosper. Five brides are invited to see our complete line of invitations and wedding accessories. The Chelsea Standard 300 N. Main Ph. 475-1371. x44

#### Garage Sales

GARAGE MOVING SALE Sat. Sun. April 5 & 6, 9 a.m. to 4 p.m. 3539 Dodger Rd. Brim Lake, off Madley Rd. x44

#### FAMILY GARAGE SALE - Thursday, Friday and Saturday, April 3-5, 9 a.m. to 6 p.m.

Furniture, 13" black and white portable TV, clothing, boys He Man bike, 10-gallon aquarium with stand, Atari \$200 with 3 tapes, 540 plants of music items, Gibson 2 door, frost free refrigerator (you pick up). 144 Dewey St. Chelsea. x44

#### 4 H TEENS NEED RUMMAGE

Time to clean out your basement garage and attic. 4 H Teen Leaders need usable items for May 10-11 rummage sale. Extra dishes, pans, iron, jars, books, plants, old duck Jacoys, milk cans, cranks, furniture, or toys. Money is needed for a change rip plane, lawn and community services. Call 475-2886 or Ext. service 973-9510. x44

#### RUMMAGE SALE

at Longworth Plating Bldg. North Lake Fire School

#### Friday, April 18, 9-5

#### Saturday, April 19, 9-3

Donations accepted. Drop off times: Mon. April 14, 9 a.m. to 11 a.m.; 2 p.m. to 4 p.m.; 6 p.m. to 8 p.m.; Tues. April 15, 9 a.m. to 11 a.m.; 2 p.m. to 4 p.m.; 6 p.m. to 8 p.m.; Wed. April 16, 9 a.m. to 11 a.m.; 2 p.m. to 4 p.m.; 6 p.m. to 8 p.m. Donations are tax deductible. x44

#### Antiques

ANN ARBOR - The Michigan Antiques Show & Sale April 4, 5 & 6 at M. Crisler Arena. Special Preview Celebration April 3, 6-9 p.m. by reservation only. Call 572-1069 x44-3

#### WANTED - Fustian shetland glasses with Heather design. Ph. Helen M. 475-1371 or 662-9524. x4H

#### Standard Classified Ads get quick results!

### Antiques

#### Spring Is Here!

If You Are Building Or Remodeling You Owe It To Yourself To Come And See Our Large Selection of

#### Architectural Antiques

Impressive Entry Doors - Breath taking Stained Glass - Authentic Victorian Hardware - Woodtrim - Fireplace Mantels

#### Showroom, Warehouse

in Downtown Grass Lake

10 miles East of Jackson off I-94 Come in During Our April Sale!

10%-40% off April 5 & 6

OPEN 9-6 Mon-Sat. Sun. 12-4

#### Architectural Salvage Co.

103 W. Michigan Ave., Grass Lake 522-8516 x44

#### Real Estate

#### CENTURY 21 AMERICAN HERITAGE

NEAT AND COZY waterfront year round home on Patterson Lake Gateway to Chain of 7 Lakes 2 bedrooms, 1 bath, utility room with large glassed-in porch, knotty pine interior, 2 car garage. All this for only \$62,500. Call Art Armstrong 475-9530, or Dick Murer 459-2421.

#### BEAUTIFUL WOODED SETTING on Hill Creek

Sliding glass doors off of living room lead to redwood deck and fenced yard. Dining room, large bathroom, 2 bedrooms, circular stair way leads to 2nd floor family room study or 3rd bedroom 1 car attached garage. Private yet close to county road. \$74,900. Call Art Armstrong 475-9530. x44

#### GRASS LAKE 30 minutes west of Ann Arbor 5 years old, 3 bedrooms, 2 full baths, 2 car garage, basement, fieldstone fireplace 2,200 sq. ft. of living area, gas heat 7 acres of woods. Call (313) 522-4417 x46-3

#### BY OWNER - Baker Rd. over 21.8 acre parcel with 66 road access. Beautiful building site or subdivided \$3,000 per acre. Owner will finance. Call 475-1739 for appointment. x45-2

#### OPEN HOUSE

Sunday, April 6 2 to 4 p.m. 1070 Jackson Rd.

3-4 bedroom house large barn and out buildings on 10 acres Chelsea schools 10 minutes west of Ann Arbor \$70,000

11 acre building site, partially wooded \$35,000

10-acre building site \$30,000

Phone 663-9750 x44

#### Open Sunday, April 6

1 p.m. to 4 p.m. by owner remodeled colonial on treed acre 2 bedrooms, 2 baths, full basement \$67,900 20324 Jerusalem Rd. Ph. 475-9544. x44

#### CHARMING little house in the heart of Chelsea. Full sale basement, hard wood floors. Updated kitchen and bathroom. Open House plan. Still newish. 112 135 W. Summit Ph. 475-3622. Assumable mortgage \$49,900.

Standard Classified Ads get quick results!

### Real Estate

#### Real Estate One

495-1616

For more information DAYS or EVENINGS Contact:

#### Nelly Cobb, REALTOR

475-7236

MANCHESTER 10 acre mini farm. Brick home, hip roof barn plus pole barn plus 3-car garage \$50,000.

SUGAR LOAF LAKE access Charming 2-bedroom starter home with stone fireplace. Full basement. All mechanics new. 4 lots. \$48,900.

LAKE FRONT Desirable 3-bedroom, 1 1/2 bath on Spring Lake. Large deck overlooking water in huge picnic table and boat. Excellent I-94 access. \$58,500.

75-ACRE FARM with 3-bedroom brick home, 7 outbuildings, great location on M-52 in Manchester Twp \$139,900.

79 ACRES with pole barn and house on corner of M-52 and Pleasant Lk. Rd. Great location with commercial possibilities. \$139,900.

PERFECT HOME for large family 4 bedrooms, living room with fireplace, formal dining room, lg. enclosed sunporch, 1 1/2 baths, full basement, 2-car garage on 1 acre hilltop site inside village limits. \$89,900.

VERY NICE 3-bedroom, 2 1/2 bath ranch. Fireplace family room with bar, lg deck, 2-car attached garage in area of nice homes. \$78,500.

#### Help Wanted

#### SMALL ENGINE MECHANIC needed

for up & coming Lawn & Garden shop. We have a need for a person with both 2 cycle & 4 cycle engine experience. Job will include counter sales of parts and accessories. This position may be either full- or part-time. Salary commensurate with experience. Send all resumes & salary requirements to Chelsea Hardware Garden N Saw Annex 120 S. Main Chelsea MI 48118. x44

#### The Anxiety Disorders Program

needs volunteers for a research study assessing the helpfulness of two medications in the treatment of Panic Disorders, also known as Anxiety Attacks! Some symptoms of Panic Disorder are sudden surges of fear accompanied by racing or pounding heart, chest discomfort, dizziness, shortness of breath, trembling and fear of going crazy or losing control.

Volunteers NOT CURRENTLY taking medication on a daily basis for nerves, anxiety or depression are needed. This study includes free diagnostic work up, physical exam, and treatment to qualified persons.

Call! 764-5348. x44-3

#### RELIABLE HELP WANTED

Reliable young person to assist in private show kitchen. Non-stoking, non-drying, all day's work required. 475-9495. x44-2

#### DENTAL ASSISTANT

part time will train Chelsea dental offices. Ph. 475-7363. x46-3

#### GENERAL FARM LABOR

needed April through November. Ph. 475-1399. x44

#### PRODUCE FARM in Chelsea 30.35 hours per week days. Responsible individual with superb ability. Listing involved. Phone 475-2007. x44

#### Machinist - Tool Maker

We have an opening for a general machinist who can do model making, prototyping and make tools and fixtures for machining plastic. Orthopedic implants on CNC Milling machines and lathes.

Wages to be based on experience and ability.

#### MacDEE

13600 Lock Drive P.O. Box 237 Chelsea, Mich 48118 Phone 313-475-9155 x45-2

#### ALL AROUND PERSON NEEDED

hours varied. Good driving record and knowledge of Ann Arbor area a must. Heavy lifting required. \$12.50-\$4.00 per hour. Call 662-5620. x44

#### Mobile Homes

981 FAIRMONT Mobile Home 1 1/2 to 2 bedrooms, 2 full baths, fireplace, new steel doors, 2 utility sheds, and many more extras. Located 1/2 mile from Ann Arbor on paved road. In the heart of the maintained park in Pleasant Lake. Ph. 475-428-9531. x45-2

#### Animals & Pets

FARMER - Black Lab puppy 6 weeks old. \$200. 475-9574. x44

COLLIES - AKC - 2 year old, 1 year old. \$17,995. 475-9531. x44-2

#### BRITANNIA PUPS AKC bred for hunting

2 year old, 1 year old. \$12,995. 475-9531. x44-2

#### SPAY NEUTER CLINIC for the Home

Valley Humane Society Ph. 313-662-4365 10 a.m. to 4 p.m. x44

#### Lost & Found

STRIKER SPANIEL found in territory near Inverness golf course. Black & white male. Call 475-2695. x44

#### FOR LOST OR FOUND PETS

Phone The Humane Society of Michigan Valley at 662-5885 between 11 a.m. and 5 p.m. Sunday through Saturday, closed holidays. 3100 Cherry Hill Rd., Ann Arbor. x38H

#### Standard Want Ads Get Quick Results!

### CLASSIFIED ADVERTISING

#### CASH RATES:

10 words or less \$1.00

7¢ per word over 10 when paid before Sat. 12 noon

#### CHARGE RATES:

Add \$2 per insertion if charged. Add \$10 if not paid within 10 days following statement date.

#### THANK YOU/MEMORIAL CASH RATES:

50 words or less \$3.00

10¢ per word over 50 when paid before Sat. 12 noon

#### CHARGE RATES:

Add \$2 per insertion if charged. Add \$10 if not paid within 10 days following statement date.

#### DEADLINE (classified section)

Saturday, 12 noon.

#### DEADLINE (late ad section)

Monday, 12 noon.

All advertisers should check their ad the first week. The Standard cannot accept responsibility for errors on ads received by telephone but will make every effort to make them appear correctly. Refunds may be made only when erroneous ad is cancelled after the first week that it appears.

#### Classifications

- Automotive ..... 1
- Motorcycles ..... 1a
- Farm & Garden ..... 2
- Equipment Livestock Feed ..... 2a
- Recreational Equip. .... 3
- Boats Motors Snowmobiles Sports Equipment
- For Sale General: ..... 4
- Auction ..... 4a
- Garage Sales ..... 4b
- Antiques ..... 4c
- Real Estate ..... 5
- Land Homes Cottages
- Mobile Homes ..... 5a
- Animals & Pets ..... 6
- Lost & Found ..... 7
- Help Wanted ..... 8
- Work Wanted ..... 8a
- Child Care ..... 9
- Wanted to Rent ..... 10a
- Wanted to Rent ..... 10b
- For Rent ..... 11
- Houses Apartments Land
- Misc. Notices ..... 12
- Entertainment ..... 13
- Bus. Services ..... 14
- Financial ..... 15
- Bus. Opportunity ..... 16
- Thank You ..... 17
- Memorials ..... 18
- Legal Notice ..... 19

#### Help Wanted

#### SMALL ENGINE MECHANIC needed

for up & coming Lawn & Garden shop. We have a need for a person with both 2 cycle & 4 cycle engine experience. Job will include counter sales of parts and

# LITTLE WANT ADS! BIG PLUSES FOR BIG RESULTS!

Washtenaw County's Busy Marketplace . . . Quick, Economical Results . . . Give 'em a try!

### Work Wanted 3a

**GENERAL HOUSEKEEPING** Openings for Thursdays and Fridays. Excellent references. 475-8952 x45-3  
**HOUSECLEANINGS** Call Sheila 426-9328 x48-6

### Wanted 10c

**DIXIE CHEF**, wife and 3 toddlers seeking old farm house on small acreage to buy on land contract. Contact Theresa 426-8834 x44-2  
**STANDING TIMBER WANTED** Sawlogs and veneer. Bushka Lumber Co. Ph. (517) 661-7751 x3711  
**OAK FURNITURE WANTED** Chairs, dressers, tables. Mrs. Morrison 313-369-8275 x1-20  
**NEED EXTRA CASH?** Cash paid for bicycles 1, 3, 5 or 10 speeds. Bring them in now. Student Bike Shop 607 S. Forest at S. University, Ann Arbor. 662-6986 x261  
**WANTED** Walnut and Oak Timber. Call (616) 642-8023 or write Frank Risler 8435 Jackson Rd. Saranac, MI 48881 x2411

### Wanted to Rent 10a

**RESPONSIBLE COUPLE** needs small 2 bedroom or large 2 bedroom home to rent in Chelsea village 2 older children. Ph. 475-8578 x45-2  
**2 BEDROOM APARTMENT** or duplex located in Dexter by responsible party. Needed by May 30. Ph. 426-4623 or 878-3983 evenings. x45-2  
**YOUNG MARRIED COUPLE** moving to this area June 1st desire a 2 bedroom apt. or house to rent. No children, no pets. (312) 579-1926 collect. x46-2  
**BUSINESS OWNER** and family need home to rent May 23 through September while building home. Please call 434-0901 collect. x48-5

### For Rent 11

**LAND FOR RENT** - 54 acres. Ph. 475-8446 or 475-1661 x47-4  
**VILLAGE OF STOCKBRIDGE** 1 bedroom upstairs apartment. No children or pets. Call Ray after 6 p.m. 517-851-7488 x44  
**FOR RENT** Downtown office space 1,000 sq. ft. newly renovated, second floor, immediate occupancy. 475-8821 Bob or Jack x411  
**SMALL HOUSE** in Stockbridge for couple or single person. No pets or children. References and security deposit required. Call (517) 851-8422 x44  
**SMALL 1 BEDROOM HOUSE** for single person in Stockbridge. References and security deposit required. No pets. Call (517) 851-8422 x44  
**BEAUTIFUL** quiet, 3-room upper. Garage. Mature lady. 475-7608 x45-3  
**HOUSE** in the country \$600, refer. ences. 426-8834 or 475-2701 x44-2  
**CHELSEA VILLAGE** Large 1 bedroom apartment available soon. \$350. Chuck Walters, Realtor. 475-2882 x44  
**ROOM** With utilities and kitchen privilege. Ph. 475-1750 after 5 p.m. and week ends after 12 noon. x44-2  
**FIRST FLOOR APARTMENT** in Stockbridge village 2-bedroom in two family house \$375. Call Chuck Walters Realtor. 475-2882 x44  
**RENTAL** Crooked Lake married couple preferred. References required. Ph. 475-2018 x45-4  
**CAR RENTAL** by the day, week and week or month. Full insurance coverage, low rates. Call Lyle Chivrell at Palmer Motor Sales. 475-1701 x45-5

### For Rent 11

**FOR RENT** Fair Service Center for meetings, parties, wedding receptions etc. Weekdays or week ends. Contact Mark Stupish 426-3529 x2911

### SPACE FOR LEASE

up to 5,100 sq. ft.  
New building for warehouse or business.  
475-8323 or 475-7889 x45-4  
**WAREHOUSE SPACE** for rent 1,400 sq. ft. Truck bay. \$300 per month. Contact Jack at Merkel's 475-8621 x44-3  
**1 BEDROOM APARTMENT**, 8949 E. Michigan, 3 miles west of Cross Lake, inquire within between 6 p.m. to 9 p.m. Monday through Thursday or call 426-8809 x45-2  
**EFFICIENCY APARTMENT** in Chelsea. Call 475-1059 x44

### Bus. Services 13

**DAVE'S SIDING & ROOFING**  
Aluminum and vinyl siding. Custom trim and gutters. 1-517-851-7740 x811  
**We Offer Sales & Service**  
RCA ZENITH Philco Quasar Sony B & W and Color TVs NuTone Channelmaster Wingard Cobra CB Radios Master Antenna Specialists Antenna Rotor Insurance Job Commercial, Residential Paging Intercom Systems NuTone Parts and Service Center Hoover Vacuum Dealers and Service Specialists Keys by Curtis We service other leading brands. Senior Citizens 10% Discount.

### LOY'S TV CENTER

512 N. Maple Rd., Ann Arbor 769-0196  
Master Charge, Visa Welcome  
PIANO TUNING and repair. Qualified technician. Call Ron Morris 475-7134 x2211  
**Waterloo Glass Co.**  
Mobile Glass Repair. Auto Residential Commercial. Licensed Insured. 475-7773 x521-9  
Repairs: Bumpers, body work

### Jerry's Repair Service

Repair TV, VCRs and Microwaves. Over 20 years experience. Reasonable rates.  
3042 Swan Rd., Stockbridge Ph. (517) 851-8429 x44

### RON MONTANGE CONSTRUCTION

Full carpentry services (rough and finish). Additions, remodeling and repairs. Replacement Windows Concrete Roofing and siding Cabinets and Formica work Excavating and Tranching  
QUALITY WORKMANSHIP FREE ESTIMATES 475-1080 LICENSED x191  
**FOSTER'S SMALL ENGINE REPAIR**  
BAS Tech. Kohler parts stocked. Repair all makes lawnmowers, chain saws, rototillers, snow throwers. Blades sharpened. Reasonable rates. Ph. 475-2623 x39-12H  
**COMPLETE SMALL ENGINE SERVICE**  
Lawn mowers, tillers, garden tractors, chain saws and snow blowers. Chains sharpened. Chelsea Hardware Garden & Saw Shop 475-1121 x1611

### Window Screens Repaired

Reasonable rates  
**Chelsea Hardware**  
1105 Main Ph. 475-1121 x3011  
**Carpentry/Construction**  
ROOFING SIDING remodeling. Call Jim Hughes 475-2079 or 475-2582 x52-11

### IMMEDIATE OPENINGS

for temporary light industrial workers day and evening shifts in Chelsea, Dexter and Ann Arbor areas.  
Call **KELLY** 761-5700 for appointment

### THIS CERTIFICATE ENTITLES YOU TO A FREE ESTIMATE OF VALUE ON YOUR HOME.

CONDOMINIUM OR TOWNHOUSE.  
The Bureau of Real Estate has a free professional market evaluation of lots or properties by a Roberts' representative. No cost or obligation.  
**ROBERTS REALTY**  
LIST WITH US NOW!  
1170 S. Main, Chelsea  
24-Hr. Answering Service  
475-8348

### Bus. Services 14

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Aluminum and vinyl siding. Custom trim and gutters. 1-517-851-7740 x811

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475-8348

### Legal Notice 19

**MORTGAGE SALE** Default having been made in the terms and conditions of a certain mortgage made by DONALD O. DUNNAN and DELORIS JEAN O'DUNNAN, her wife, Mortgagee, to Standard Federal Savings and Loan Association now known as Standard Federal Bank, a savings bank, of Troy, Oakland County, Michigan, Mortgagee, dated January 30, 1979, and recorded in the office of the Registrar of Deeds for the County of Washtenaw and State of Michigan, on July 12, 1979, in Liber 1216, on Page 419, of Washtenaw County Records, and re-recorded January 4, 1980, in Liber 1744, Page 55, Washtenaw County Records, on which mortgage there is claimed to be due, at the date of this notice, for principal and interest, the sum of Forty-Two Thousand Five Hundred Nine and 94/100 Dollars (\$42,509.04).  
And no suit or proceedings at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof. Now, therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on Thursday, April 24, 1986, at ten o'clock A.M., local time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the West entrance to the Washtenaw County Building in the City of Ann Arbor, Washtenaw County, Michigan, (that being the building where the Circuit Court for the County of Washtenaw is held), of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Twelve percent (12.00%) per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises, which said premises are described as follows:  
All that certain piece or parcel of land situate in the Township of Augusta in the County of Washtenaw, and State of Michigan, and described as follows:  
A parcel of land, situated in the Southeast 1/4 of Section 23, Town 4 South, Range 7 East, Township of Augusta, County of Washtenaw, State of Michigan, described as follows: Beginning at a point on the South line of said Section 23, said point being 97.88 feet West of the Southeast corner of said Section 23; thence West, along the South line of said Section 23, a distance of 380.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 180.00 feet; thence North 80 degrees 04' 50" East, a distance of 300.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 179.90 feet; thence South 00 degrees 04' 50" West, a distance of 300.00 feet to the South line of said Section 23, the Point of Beginning.  
The Redemption Period shall be three months from the date of such sale, unless an affidavit of occupancy or intent to occupy is recorded in accordance with 1948 MCL 600.221 (4), and given to the mortgagee, in which case the Redemption Period shall be twelve months from the date of such sale.  
Dated at Troy, Michigan, December 27, 1985.  
STANDARD FEDERAL BANK, a savings bank, Mortgagee.  
RONALD J. PALMER, Attorney for Mortgagee.  
2401 West Bag Beaver Road, Troy, Michigan 48068. March 12-19-26-April 24-1986

**MORTGAGE SALE** Default having been made in the terms and conditions of a certain mortgage made by WILL TURMAN and SUNDIA E. TURMAN, his wife, Mortgagee, to Standard Federal Savings and Loan Association, now known as Standard Federal Bank, a savings bank, of Troy, Oakland County, Michigan, Mortgagee, dated October 21, 1978, and recorded in the office of the Registrar of Deeds for the County of Washtenaw and State of Michigan, on October 27, 1978, in Liber 1578, on Page 128, of Washtenaw County Records, on which mortgage there is claimed to be due, at the date of this notice, for principal and interest, the sum of Fifty-Three Thousand Eight Hundred Ninety-Seven and 32/100 Dollars (\$53,897.36).  
And no suit or proceedings at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof. Now, therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on Thursday, May 1, 1986, at ten o'clock A.M., local time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the West entrance to the Washtenaw County Building in the City of Ann Arbor, Washtenaw County, Michigan, (that being the building where the Circuit Court for the County of Washtenaw is held), of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Nine and One-Half percent (9.50%) per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises, which said premises are described as follows:  
All that certain piece or parcel of land situate in the Township of Augusta in the County of Washtenaw, and State of Michigan, and described as follows:  
A parcel of land, situated in the Southeast 1/4 of Section 23, Town 4 South, Range 7 East, Township of Augusta, County of Washtenaw, State of Michigan, described as follows: Beginning at a point on the South line of said Section 23, said point being 97.88 feet West of the Southeast corner of said Section 23; thence West, along the South line of said Section 23, a distance of 380.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 180.00 feet; thence North 80 degrees 04' 50" East, a distance of 300.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 179.90 feet; thence South 00 degrees 04' 50" West, a distance of 300.00 feet to the South line of said Section 23, the Point of Beginning.  
The Redemption Period shall be three months from the date of such sale, unless an affidavit of occupancy or intent to occupy is recorded in accordance with 1948 MCL 600.221 (4), and given to the mortgagee, in which case the Redemption Period shall be twelve months from the date of such sale.  
Dated at Troy, Michigan, January 2, 1986.  
STANDARD FEDERAL BANK, a savings bank, Mortgagee.  
RONALD J. PALMER, Attorney for Mortgagee.  
2401 West Bag Beaver Road, Troy, Michigan 48068. March 12-19-26-April 24-1986

**MORTGAGE SALE** Default having been made in the terms and conditions of a certain mortgage made by EANNON B. HATHFIELD and FLORA M. HATHFIELD, his wife, Mortgagee, to Standard Federal Savings and Loan Association now known as Great Lakes Federal Savings and Loan Association, a corporation organized under the Home Owners' Loan Act of 1933, of the United States of America, as amended, Mortgagee, dated the 18th day of March, 1974, and recorded in the office of the Registrar of Deeds for the County of Washtenaw and State of Michigan, on the 28th day of March, 1974, in Liber 1171 of Washtenaw County Records, on which mortgage there is claimed to be due, at the date of this notice, for principal and interest, the sum of Twenty-Seven Thousand Nine Hundred and 00/100 Dollars (\$27,900.00).  
And no suit or proceedings at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof. Now, therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on the 24th day of April, 1986, at 10:00 o'clock A.M. local time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the building where the Circuit Court for the County of Washtenaw is held, of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Nine and One-Half percent (9.50%) per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises. Said premises are situated in the City of Milan, County of Washtenaw, State of Michigan, and described as follows:  
Situated in the City of Milan, The West 55 feet of Lot 20, being the east 1/2 of Lot 29, Capas Colony, a part of a part of the Southeast 1/4 of Section 18, City of Milan, Washtenaw County, Michigan, as set out in the plat of said Colony, filed in the office of the Registrar of Deeds for the County of Washtenaw, Michigan, on the 28th day of March, 1974, in Liber 1171 of Washtenaw County Records, and subject to easements and restrictions of record.  
During the six-month period immediately following the date the property may be redeemed.  
Dated at Ann Arbor, Michigan, March 4, 1986.  
GREAT LAKES FEDERAL SAVINGS AND LOAN ASSOCIATION, Mortgagee.  
Charles P. Hoffman, Jr. 1986A LEGAL DEPARTMENT  
Great Lakes Federal Savings Building, 401 and 1/2 Liberty Street, Ann Arbor, Michigan 48106.  
Ann Arbor, Michigan 48106. March 12-19-26-April 24-1986

**MORTGAGE SALE** Default having been made in the terms and conditions of a certain mortgage made by WILL TURMAN and SUNDIA E. TURMAN, his wife, Mortgagee, to Standard Federal Savings and Loan Association, now known as Standard Federal Bank, a savings bank, of Troy, Oakland County, Michigan, Mortgagee, dated October 21, 1978, and recorded in the office of the Registrar of Deeds for the County of Washtenaw and State of Michigan, on October 27, 1978, in Liber 1578, on Page 128, of Washtenaw County Records, on which mortgage there is claimed to be due, at the date of this notice, for principal and interest, the sum of Fifty-Three Thousand Eight Hundred Ninety-Seven and 32/100 Dollars (\$53,897.36).  
And no suit or proceedings at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof. Now, therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on Thursday, May 1, 1986, at ten o'clock A.M., local time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the West entrance to the Washtenaw County Building in the City of Ann Arbor, Washtenaw County, Michigan, (that being the building where the Circuit Court for the County of Washtenaw is held), of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Nine and One-Half percent (9.50%) per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises, which said premises are described as follows:  
All that certain piece or parcel of land situate in the Township of Augusta in the County of Washtenaw, and State of Michigan, and described as follows:  
A parcel of land, situated in the Southeast 1/4 of Section 23, Town 4 South, Range 7 East, Township of Augusta, County of Washtenaw, State of Michigan, described as follows: Beginning at a point on the South line of said Section 23, said point being 97.88 feet West of the Southeast corner of said Section 23; thence West, along the South line of said Section 23, a distance of 380.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 180.00 feet; thence North 80 degrees 04' 50" East, a distance of 300.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 179.90 feet; thence South 00 degrees 04' 50" West, a distance of 300.00 feet to the South line of said Section 23, the Point of Beginning.  
The Redemption Period shall be three months from the date of such sale, unless an affidavit of occupancy or intent to occupy is recorded in accordance with 1948 MCL 600.221 (4), and given to the mortgagee, in which case the Redemption Period shall be twelve months from the date of such sale.  
Dated at Troy, Michigan, January 2, 1986.  
STANDARD FEDERAL BANK, a savings bank, Mortgagee.  
RONALD J. PALMER, Attorney for Mortgagee.  
2401 West Bag Beaver Road, Troy, Michigan 48068. March 12-19-26-April 24-1986

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2401 West Bag Beaver Road, Troy, Michigan 48068. March 12-19-26-April 24-1986

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And no suit or proceedings at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof. Now, therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on Thursday, May 1, 1986, at ten o'clock A.M., local time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the West entrance to the Washtenaw County Building in the City of Ann Arbor, Washtenaw County, Michigan, (that being the building where the Circuit Court for the County of Washtenaw is held), of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Nine and One-Half percent (9.50%) per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises, which said premises are described as follows:  
All that certain piece or parcel of land situate in the Township of Augusta in the County of Washtenaw, and State of Michigan, and described as follows:  
A parcel of land, situated in the Southeast 1/4 of Section 23, Town 4 South, Range 7 East, Township of Augusta, County of Washtenaw, State of Michigan, described as follows: Beginning at a point on the South line of said Section 23, said point being 97.88 feet West of the Southeast corner of said Section 23; thence West, along the South line of said Section 23, a distance of 380.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 180.00 feet; thence North 80 degrees 04' 50" East, a distance of 300.00 feet, to the centerline of Willow Road, being 66 feet wide, a distance of 179.90 feet; thence South 00 degrees 04' 50" West, a distance of 300.00 feet to the South line of said Section 23, the Point of Beginning.  
The Redemption Period shall be three months from the date of such sale, unless an affidavit of occupancy or intent to occupy is recorded in accordance with 1948 MCL 600.221 (4), and given to the mortgagee, in which case the Redemption Period shall be twelve months from the date of such sale.  
Dated at Troy, Michigan, January 2, 1986.  
STANDARD FEDERAL BANK, a savings bank, Mortgagee.  
RONALD J. PALMER, Attorney for Mortgagee.  
2401 West Bag Beaver Road, Troy, Michigan 48068. March 12-19-26-April 24-1986

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### Legal Notice 19

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# Chelsea Village Council Proceedings

Regular Session March 18, 1986

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

Present: President Satterthwaite, Clerk Rosentreter, Village Manager Weber and Assistant Village Manager Fahrner.

Trustees Present: Steele, Kanten, Radloff, Finch and Merkel.

Trustees Absent: Fulks.

Others Present: Zoning Inspector Harook, Kathleen Chapman, Phillip Boham, Tina Kenney, Gary Bentley, Charlotte Bentley, Fred Harris, Mary Harris, Civil Defense Director Schantz, Pat Schantz, Police Chief McDougall, Janet Tuttle, Superintendent of Public Utilities Hafner, Brian Hamilton, Ronald Martin, Audrey Satterthwaite, Claudette Kiny and Gayle Finch.

Motion by Merkel, supported by Finch, to approve the minutes of the regular session of March 4, 1986 as submitted. Roll call: Ayes all. Motion carried.

Motion by Merkel, supported by Kanten, to approve the minutes of the special session of March 6, 1986 as submitted. Roll call: Ayes all. Motion carried.

Clerk Rosentreter administered the Oath of Office to the following: Jerry Satterthwaite, Village President; Joseph Merkel, Village Trustee; Phillip Boham, Village Trustee; Gary Bentley, Village Trustee; Kathleen Chapman, Village Treasurer.

Fire Chief Hankerd submitted the Fire Department Report for the month of February 1986.

Motion by Radloff, supported by Steele, to approve the February Budget Report as submitted. Roll call: Ayes all. Motion carried.

Motion by Steele, supported by Merkel, to approve the Treasurer's Annual Report as submitted by Treasurer Storey for 1985/86 as submitted. Roll call: Ayes all. Motion carried.

Regular session recessed at 7:40 p.m. for Zoning Board of Appeals meeting.

Regular session resumed at 8:00 p.m.

Motion by Radloff, supported by Merkel, to set the date of April 15, 1986 for a Public Hearing on the request of the Chelsea Lion's Club for a street banner. Roll call: Ayes all. Motion carried.

**RESOLUTION RE: BELLE RIVER PROJECT REFUNDING REVENUE BONDS—1986 SERIES**

RESOLVED, that this Village Council for the Village of Chelsea approves the action of Village Manager, Frederick A. Weber, in signing, for and in behalf of the Village of Chelsea, the Participant's Certificate for the \$369,365,000, Belle River Project Refunding Revenue Bonds, 1986 Series.

Motion by Radloff, supported by Bentley, to adopt the above resolution as read. Roll call: Ayes all. Motion carried. Resolution adopted.

**RESOLUTION RE: APPLICATION FOR GRANT FOR VETERAN'S/DANA PARK EXPANSION**

WHEREAS, a public hearing was held to receive public comments on a proposal to apply for a Land and Water Conservation Fund Grant for a project entitled VETERAN'S/DANA PARK EXPANSION to expand the Veteran's and Dana Park Complex by developing village-owned land adjacent to the southwest corner of the park, and by acquiring, by donation, land adjacent to the west boundary of the park;

WHEREAS, the application for the Michigan Natural Resources Trust Fund Grant is for the same project with proposed local matching monies not exceeding the proposal in the Land and Conservation Fund Grant;

BE IT RESOLVED, that this Village Council for the Village of Chelsea submit a Pre-Appliation to the Michigan Department of Natural Resources for Michigan Natural Resources Trust Fund Grant to expand the Veteran's

and Dana Park Complex by developing village-owned lands adjacent to Veteran's Park and proposed donated lands west of Dana Park;

BE IT FURTHER RESOLVED, that this Village of Chelsea will:

(1) Take title to the land in question

(2) Assume management responsibilities of the land for public purposes

(3) Ensure use of the land as a public park

(4) Budget necessary monies in the Village of Chelsea General Fund Budget in an amount to match Michigan Natural Resources Trust Fund monies during the Fiscal period March 1, 1987 thru February 28, 1988 and;

BE IT STILL FURTHER RESOLVED, that Frederick A. Weber, Chelsea Village Manager is herein designated as the authorized project representative for and in behalf of the Village of Chelsea for the VETERAN'S PARK EXPANSION PROJECT.

Motion by Radloff, supported by Kanten, to adopt the above resolution as read. Roll call: Ayes all. Motion carried. Resolution adopted.

Assistant Manager Fahrner discussed the West Middle Street Construction Project.

Motion by Radloff, supported by Bentley, to pass the Proclamation for the American Red Cross. Roll call: Ayes all. Motion carried.

Motion by Radloff, supported by Steele, to appoint Joe Merkel as President Pro-Tem for a two-year term (1986 thru 1988). Roll call: Ayes all. Motion carried.

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

Motion by Steele, supported by Kanten, to adjourn. Roll call: Ayes all. Motion carried. Meeting adjourned.

Evelyn Rosentreter, Village Clerk.

**Zoning Board of Appeals Minutes** March 18, 1986

The meeting was called to order at 7:40 p.m. by Chairman Satterthwaite.

Present: Chairman Satterthwaite, Secretary Rosentreter, Village Manager Weber and Assistant Village Manager Fahrner.

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

Others Present: Zoning Inspector Harook, Kathleen Chapman, Phillip Boham, Tina Kenney, Gary Bentley, Fred Harris, Civil Defense Director Schantz, Gayle Finch, Audrey Satterthwaite, Pat Schantz, Police Chief McDougall, Janet Tuttle, Superintendent of Public Utilities Hafner, Brian Hamilton, Ronald Martin, Charlotte Bentley, Claudette Kiny and Mary Harris.

Motion by Radloff, supported by Kanten, to approve the minutes of the Zoning Board of Appeals meeting of March 4, 1986 as submitted. Roll call: Ayes all. Motion carried.

A public hearing was held on a variance application (86-01) submitted by MDM Restaurants, Inc. (Taco Bell) for a variance from the provisions of Section 5.2.6A of the Zoning Ordinance (Signs).

Chairman Satterthwaite read a letter from the Chelsea Planning Commission recommending that the Board of Appeals deny the variance because sufficient evidence of a hardship, pursuant to Section 7.3 of the Zoning Ordinance was not presented.

Motion by Bentley, supported by Merkel, to postpone any action until the site plan print is reviewed and Carl Schmitt can be present. Roll call: Ayes all. Motion carried.

Motion by Merkel, supported by Steele, to adjourn. Roll call: Ayes all. Motion carried. Meeting adjourned.

Evelyn Rosentreter, Secretary.



**JEFFREY E. DELS** has been promoted to vice-president-research and development, for Typographic Insight, a high tech typographic firm in Ann Arbor. Dels started part-time in 1975 while earning a bachelor's degree in business administration from Eastern Michigan University. He has been manager of the book department since 1980, and is in charge of the media conversion department since 1983. TI began operations in 1975, and is now Ann Arbor's largest typographer.

## Pinckney Youth Completes Army Metal Workers Course

Army Private Robert L. Turner, whose foster parents are Vickie S. and George S. Abidin of Pinckney, has completed a metal worker course at the U. S. Army Ordnance Center and School, Aberdeen Proving Ground, Md.

During the course, students were trained in all phases of oxyacetylene welding, radiator and metal body repair, glassworking, arc welding and other related tasks. Also taught were common maintenance tasks, use of hand and power tools, measuring instruments and identifying metals.

He is a 1985 graduate of Pinckney High School.

Job Service offices provide middle-aged and older workers with specialized job placement assistance, occupational testing, local labor market information, counseling, and referral to training and employment programs operated by state and local governments, according to a U. S. Department of Labor fact sheet.

## Dexter Township Board Proceedings

**DEXTER TOWNSHIP ANNUAL MEETING**

Date: March 24, 1986, 8:00 p.m. Place: Dexter Township Hall. Present: Electorate—24. Meeting called to order by Supervisor Drolett.

Moved by John Tandy, supported by Julie Knight to approve the minutes of the 1985 annual meeting. Carried.

Moved by John Tandy, supported by Sheridan Springer, to recommend 1987 annual meeting be held at 8:00 p.m., Monday, March 23, 1987. Carried.

Moved by Robert Burns, supported by Doug Smith, to hold the regular Township Board meetings the first and third Tuesdays of each month at 7:30 p.m. Carried.

Moved by Lynwood Noah, supported by Carl Lesser to set the township salaries as follows: Supervisor, \$10,500; treasurer, \$11,000; clerk, \$8,000; trustees, \$600/yr., plus each board meeting. Defeated.

Moved by Lynwood Noah, supported by Doug Smith, to adopt a resolution to authorize Dexter Township to purchase or sell property.

Be it resolved that the Dexter Township Board shall be and hereby is authorized to purchase in fee simple, by Land Contract, take an option on, sell, or lease such real estate as it determines necessary and appropriate during the next twelve (12) months.

Moved by John Tandy, supported by Sheridan Springer, to call the question. Carried. Yes-16, no-5. Motion carried.

Moved by Earl Doletsky, supported by Jim Knight, to have the following yearly salaries:

Supervisor, \$10,500 + 5% = \$11,025; Clerk, \$8,000 + 5% = \$8,400; treasurer, \$11,000 + 5% = \$11,550.

Moved by Carl Lesser, supported by Lynwood Noah, to amend the motion by including the trustees salary with a 5% increase (\$800 + 5% = \$830). Carried. Yes-15, no-7.

Moved by Sheridan Springer, supported by Jerry Stramb, to make a substitute motion to set the supervisor's salary at \$14,000 per year. Yes-7, no-17. Defeated. Amended motion carried.

Moved by Robert Burns, supported by Lynwood Noah to adjourn. Carried.

Respectfully submitted, William Eisenbeiser, Dexter Township Clerk.

## FEDERAL REVENUE SHARING USE HEARING

Date: March 24, 1986, 7:30 p.m. Place: Dexter Township Hall. Present: Electorate—17 + 1. Hearing called to order by Supervisor Drolett.

Federal Revenue Sharing for 1986—\$11,000.

Suggested uses: 1. Apply to roads (John Tandy). Meeting adjourned at 7:40 p.m. Respectfully submitted, William Eisenbeiser, Dexter Township Clerk.

## Boys & Girls Track Schedule

April 17—Saline A 4:30

April 19—Chelsea Relays (Girls) H 10:00

April 19—Bishop Foley Inv. (Boys) A 10:00

April 22—Milan A 4:30

April 24—Lincoln H 4:30

April 25—Mason Inv. A 4:00

May 1—Open

May 3—Open H 4:30

May 6—Dexter H 4:30

May 8—Tecumseh A 4:30

May 10—Northwest Inv. A 10:00

May 13—Pinckney H 4:30

May 17—Regional H 3:30

May 21—SEC Meet A 1:30

## Common Science

By Joe Jeffers, PhD

### ★ How Microwaves Cook Food . . .

Microwaves are part of the same electromagnetic spectrum that contains x-rays, ultra violet light, visible light, infrared radiation and radio waves. Microwaves are generally considered to be very short, high frequency radiowaves. They are used for radar, relay of telephone, telegraph and television signals, radio astronomy, and, of course, cooking.

How can microwaves be used for cooking? If you have used a microwave oven, you know the oven itself does not really get hot when it cooks. Even the air in the oven does not heat up much. Yet the food does get hot and it cooks, even though the food may look somewhat different after cooking in a microwave oven as compared to a conventional oven.

Microwaves cook by selectively heating certain molecules present in food. Water is the most common molecule heated by microwaves. The heat from water then cooks the food.

Let's take a more detailed look at how the oven operates. A microwave oven contains a magnetron, a type of electron tube that uses electrical energy to produce microwaves. The magnetron is, in effect, a radio transmitter. The signal goes from the magnetron along an antenna to a receiver called a wave guide. Next to the wave guide is a fan-like device that sends the microwaves all around the inside of the oven. The oven walls are made of metal which further reflects microwaves around the oven, since they cannot pass through metal.

When the microwaves penetrate food they merely pass through most food molecules, but they are absorbed by water molecules. The water molecules in turn line up with the electric field of the microwave. Since the water molecules are constantly bombarded by microwaves from different directions, the molecules are constantly changing their alignments. This agitation of water molecules produces heat; the heat cooks the food.

Why does the microwave oven cook so fast? To answer this question, let's look at how a conventional oven is heated. The hot dry air enters the food at its exterior surfaces. There it heats the outer layer of the food which gradually

passes the heat by conduction to inner layers until, given enough time, the heat penetrates all the way to the middle of the food. The process is relatively slow. By the time the center is cooked, the surface is often dry and crusty.

Microwaves, on the other hand, penetrate up to one and a quarter inches into foods, heating water molecules distributed throughout. The heat from the water molecules is conducted to nearby food molecules causing them to cook. The result is that cooking is occurring simultaneously throughout the food, so it cooks rapidly. If the food is thick, water molecules deep inside the food will not be heated by microwaves since they cannot penetrate far enough. However, the heat is passed by conduction from the deepest part of the food heated by microwave on to the center of the food.

Speed is the advantage of microwaves. Whereas a conventional oven would require the better part of an hour to bake a potato, a microwave oven can bake it in four to six minutes. There are disadvantages too. If a food is more moist in one part than another, that part will cook faster. If the food is completely sealed, like eggs in shells, it may burst. Foods that are too dry will not cook well. Large food loads still cook more efficiently in a conventional oven.

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**THE EASTER BUNNY** arrived by firetruck at the annual Jaycee Easter Egg Hunt last Saturday morning at the Chelsea High school athletic fields. It was rather anti-climactic after the frenzied action on the fields.



**THEY'RE OFF TO THE RACES** as two-year-olds rush to grab their share of the colored hard-boiled eggs at last Saturday's Jaycee Easter Egg Hunt at the high school athletic fields. Some of the youngsters didn't quite seem to understand what was happening, but others charged hard out of the gates to their just rewards. Jaycees dipped 1,200 eggs for the festivities.



**WINNERS OF THE EASTER EGG HUNT**, sponsored annually by the Chelsea Jaycees, included, from left, Victor Pittis, 6, Casey Wescott, 7, Jordan Dyer, 8, Lisa Stevens, 6, and Robert Herrst, 2. These children found the eggs with the special deals that entitled them to an extra prize. Little Robert doesn't look overly impressed by his accomplishment.



**SOME YOUNGSTERS** were so pre-occupied with finding more easter eggs that they couldn't quite get the ones they had into their baskets. That was the scene last Saturday morning at the Chelsea High school athletic fields as children once again took part in the annual Jaycee Easter Egg Hunt. It was perfect weather for the event, with a temperature of about 70 degrees and not a cloud in the sky. Last year it was cold, blustery and rainy.



## Tornado Preparedness Could Save Your Life

No one can prevent or stop a tornado, but there are precautions you can take to safeguard lives and property. Your family's survival in a tornado may depend on taking some basic steps in preparedness now before the storm warnings are issued.

Tornado shelters save lives. To protect your family, a shelter area should be selected in advance, and each family member should be aware of where it is and how to get to it quickly. Hold a tornado drill periodically, so all members of the family know what to do should a tornado strike. The drills also may show you the need for storing some items in or near your shelter area, such as a battery-powered light and radio and extra batteries.

Other items for your shelter might include a first aid kit, any special medication, a supply of bottled water, and food that does not require cooking.

A survival kit for the home should be designed for use during and after any severe weather, such as a tornado or winter storm. You could find yourself isolated and your home without power. Proper preparations could allow you to survive for a few days without outside assistance.

This information provided by

the Federal Emergency Management Agency and National Oceanic and Atmospheric Administration.

### Joseph McDougall Completes Marines Combat Training

Marine Pfc. Joseph E. McDougall, son of police chief Leonard E. and Mary H. McDougall of 1200 Wilkinson St., Chelsea, has completed the Infantry Combat Training Course at Marine Corps Base, Camp Pendleton, Calif.

During the six-week course, McDougall received classroom instruction and participated in field exercises involving infantry tactics, the construction and camouflage of fighting positions, and the use of mines, demolitions, and intra-company communications equipment.

A 1985 graduate of Chelsea High school, he joined the Marine Corps in July 1985.

### Veteran Help Offered

If you're a Veteran who would like assistance reviewing your military records, changing your discharge status or receiving your benefits, please call the American Red Cross, Washburn County Chapter at 971-5300.

DWIGHT CROW, of Gregory, had a pretty good day at the Chelsea Jaycee Easter Egg Hunt last Saturday as he collected about a dozen eggs on the Chelsea High school football field. The annual event drew a couple hundred children. The Jaycees colored 1,200 eggs.



When going on a picnic, put hot dogs in a wide-mouthed thermos and fill with boiling water. They will be ready to eat by the time you reach your spot.

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**CSB CHELSEA STATE BANK**  
Member F.D.I.C.

Branch Office  
1010 S. Main  
Phone 475-1355

Main Office  
305 S. Main

## AREA DEATHS

### Anjean Cora van der Waard

13283 McKinley Rd., Chelsea  
Anjean Cora van der Waard, 47, 13283 McKinley Rd., died Thursday, March 27 at St. Joseph Mercy Hospital, Ann Arbor.  
She was born March 15, 1939 in Markem, Ill., the daughter of Albert and Anne (Heemstra) Boersma. On Jan. 4, 1958 she married Henri Albert van der Waard in Roseland Ill., and he survives.

Other survivors include her mother; one son and daughter-in-law, Henri Albert, III, and Melody, of Chelsea; three daughters, Mrs. Daniel (Christine) Cobb, of Chelsea, Mrs. Douglas (JoAnne) Schrotenboer, of Grass Lake, and Mrs. John (Manich) Mertz, of Dexter; two brothers, Richard and Ben Boersma; two sisters, Inez DeYoung and Cora Martin, all of Illinois; five grandchildren, Denial, Heidi, Heather, Katrina, and Benjamin; and several nieces and nephews. She was preceded in death by two daughters, Jacqueline and Patricia, and two brothers, Albert and Martin, and her father.

Mrs. van der Waard moved to Chelsea with her family in 1970. She was a member of the First United Methodist church and had been employed at the Chelsea United Methodist Retirement Home.

Funeral service was held Saturday, March 29 at the Chelsea United Methodist Retirement Home Chapel, with the Rev. Dr. David Truran officiating. Burial was in Mt. Olivet Cemetery.

Memorial contributions may be made to the American Cancer Society.

Arrangements were handled by the Cole-Burghardt Funeral Chapel.

### Margaret J. Stokes

805 W. Middle St., Chelsea  
Margaret J. Stokes, 72, 805 W. Middle St., Chelsea, died Tuesday, March 25 at Chelsea Community Hospital after an extended illness.

She was born March 20, 1914 in Newberry, the daughter of Richard W. and Ella May (Green) Beach, Sr. On Nov. 7, 1934 she married Ernest R. Stokes in Newberry, and he survives.

Other survivors include two daughters, Beverly Reshman and husband, Jerry, of Paw Paw, and Suzanne M. Hunter, of Rochester; one daughter-in-law, Ruth Stokes, of Portage; one brother, Richard W. Beach, Jr., and wife, Mary, of Berona; six grandchildren, Michael S. Reshman, of Paw Paw, Ann L. Reshman, of Flint, Steven M. Stokes, of Ann Arbor, Karen M. Stokes, of Portage, Spec. Daniel Hunter, of Fort Ord, Calif., and Sarah Hunter, of Rochester; and several nieces and nephews.

Mrs. Stokes moved to the Chelsea United Methodist Retirement Home two years ago from Bonita Springs, Fla. Previously she lived in Newberry.

She was a member of the Newberry United Methodist church. She retired in 1960 after 27 years of service as a psychiatric attendant nurse at the Newberry Regional Psychiatric Hospital.

Funeral services were held Thursday, March 27 at the Chelsea United Methodist Retirement Home Chapel, with the Revs. James Simons and Michael Grajcar officiating. Burial was in Oak Grove Cemetery.

Memorial contributions may be made to the Chelsea United Methodist Retirement Home or the Newberry United Methodist church, Newberry 49888.

Arrangements were handled by Cole-Burghardt Funeral Chapel.

### Bryan van Reesema Earns Master's Degree At Western Michigan

Bryan Paul S. van Reesema of Chelsea was awarded his master's degree in fall commencement exercises at Western Michigan University.

Bryan is the son of Fred and Carole van Reesema, 14490 Old US-12.

### Learn What To Do For Choking Victim

Your family is seated around the dining room table for a terrific holiday dinner when your mom starts choking. She can't clear her throat and isn't making a sound. Would you know what to do?

The American Red Cross will teach you how to help a choking victim. Don't put it off—call the Washtenaw County Chapter today at 971-5300.



JUMP ROPE FOR HEART runners-up included, from left, Susan Maynard (\$150), Starla Goetzer (\$101.00), and Brandi Kenney (\$150). Not pictured are Heidi Boyer (\$125) and Amy Mitchell (\$125). More than 100 children took part in the annual benefit for the Michigan Heart Association at Beach Middle school and raised a total of \$3,161. They each solicited sponsors to donate money for each minute they jumped rope over a three-hour span.

annual benefit for the Michigan Heart Association at Beach Middle school and raised a total of \$3,161. They each solicited sponsors to donate money for each minute they jumped rope over a three-hour span.



RAISING THE MOST MONEY in the Jump Rope for Heart event for the second straight year was Shawn Castleberry, with a grand total of \$344.00. Not only did Shawn jump all three hours of the benefit for the Michigan Heart Association, but he corralled nearly 60 different sponsors. He raised almost twice as much money as the second place finisher. More than 100 children participated in the benefit March 18 at Beach Middle school.

## Village Employees Give, Take in New Contract

Chelsea village employees recently ratified their first contract with the village. And while they did manage to negotiate raises for the next two years, the employees also made some concessions.

"For our first contract it wasn't too bad," said Bill Paul, chief steward for Municipal Workers Local 214, the union representing the village employees.

"But it's hard to say if everyone is happy with it. I guess that depends on who you talk to."

Employees gained what amounted to a 5.4 percent raise retroactive to March 1, 1985. They also received across-the-board raises of 35 cents an hour for 1986-87 and 1987-88.

However, village employees will no longer be paid time and a half for week-end work if they haven't put in a 40 hour week, Paul said.

Also, Christmas bonuses for all employees were exchanged for longevity bonuses. Employees with eight years of service will get \$300, and employees with 15 years of service will receive \$600.

"That was to provide some incentive for employees who have reached the top of their pay scales," Paul said.

Cost-of-living allowances, based on the number of hours worked, were also eliminated.

By juggling holidays, employees gained an extra half day, Paul said.

### Area Students Cited For Academics at Michigan Tech Institute

Students from the Chelsea area maintaining a cumulative grade point average of a 3.50 or better through the winter 1986 quarter at the Michigan Technical Institute of Ann Arbor are being honored this week.

The honored students are: Susan Sharkey and Cynthia Van Riper.

### MICHAEL W. BUSH

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### Draft Horse Workshop Slated April 19 in Adrian

The Co-operative Extension Services of Genesee, Washtenaw and Lenawee counties are sponsoring their second Southeastern Michigan Draft Horse Workshop. The workshop is open to all interested persons.

The April 19 workshop is to be held at the Lenawee County Fairgrounds, 602 N. Dean St., Adrian, beginning at 8:30 a.m. and running until 4:30 p.m. Registration fee to cover rolls, coffee, lunch and handouts is \$35 per couple or \$20 per person.

Featured on the program will be Douglas Palmer from Schomberg, Ontario Canada, owner of Remlap Farms and handler of the Carlsberg Brewery Draft Horse Hitch. He will speak on Draft Horse Industry Trends and Selection of Horses and Breed Differences.

In addition to Palmer there will be segments on Foot Care and Shoeing by Robert Reamue, Wolverine Blacksmith School, Howell; Breeding and Foaling Draft Horses by Dr. Howard Pennington, DVM, Adrian; Grooming & Showing Preparation, video tapes, and harnessing horses demonstration with horses and equipment provided by local draft horse owners.

Registration for this informative workshop may be made through the Lenawee county Co-operative Extension Service, 199 N. Broad St., Adrian, 49221-2776 or by calling 517-263-5651, ext. 210 before April 9.

## DEXTER TOWNSHIP ZONING BOARD OF APPEALS PUBLIC HEARING

TUESDAY, APRIL 8, 1986  
7:30 p.m.  
at Dexter Township Hall  
4880 Dexter-Pinckney Rd., Dexter, Mich.

- AGENDA:  
1) Heydlauff house addition.  
2) Swider pole barn.

## DEXTER TOWNSHIP ZONING BOARD OF APPEALS

Billie Robertson, Chairman

## Simplicity

PRICE TO OWN



### ROTO-TILLER

MODEL No.	WAS	NOW
MODEL No. 1105 5 h.p. rear-tine . . . . .	\$989	\$839
MODEL No. 1003 3 h.p. front-tine . . . . .	\$519	\$459

## Ariens

### SPRING GARDEN ROTO-TILLER SALE



MODEL	WAS	NOW
MODEL R18020 8 h.p. rear-tine . . . . .	\$1,399	\$1,199
MODEL RT5020 8 h.p. rear-tine . . . . .	\$ 989	\$ 899
MODEL R1524 8 h.p. front-tine . . . . .	\$ 589	\$ 529
MODEL R1214 8 h.p. front-tine . . . . .	\$ 389	\$ 349

## CHELSEA HARDWARE GARDEN 'N' SAW ANNEX

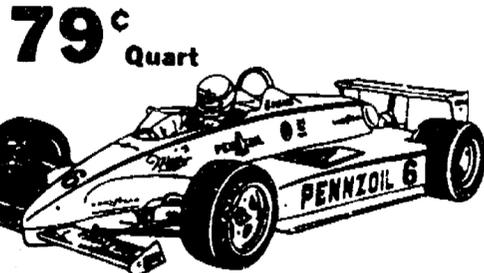
120 S. MAIN, CHELSEA 475-1121  
FINANCING AVAILABLE TRADE INS WELCOME  
M-S 8:00 a.m.-5:30 p.m.

# 1st ANNIVERSARY

"Thanks to all of you who made our first year a great success." It's been a pleasure being able to serve you. Stop in on Saturday, April 5th and help us celebrate with FREE coffee & donuts.

## #INDY# PENNZOIL MOTOR OIL WINNER SALE

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## High Blood Pressure?

Only your doctor can tell. Like more than 10 million other Americans, you could have high blood pressure and not know it until it leads to stroke, heart or kidney failure. It has no special symptoms and often gives no warning. But your doctor can detect high blood pressure (he may call it hypertension) and usually control it. So see your doctor . . . and follow his orders.

WE'RE FIGHTING FOR YOUR LIFE  
American Heart Association of Michigan

## Faith in Action Benefit Plans Being Finalized

Plans for the annual Faith in Action (FIA) benefit dinner are fast approaching completion. Arrangements and details for the event on April 11 at 7 p.m. are being finalized by the fund-raiser committee of Kathleen Chapman, Anne Williams, Cathy Thompson, the Rev. Jerry Beaumont, Glenn Culler and Nancy Kauffman.

While diners feast that evening at the Chelsea Hospital main dining room, on a delicious meal of roast beef, the Chelsea High School Honors String Quartet will provide relaxing background music. The quartet, led by Jed Fritzenmeyer is composed of Dana Stevens, violin; Maryam Brankamp, violin; Karen Grau, viola; and Kathy Jorgensen, cello. Following dinner Fr. Lloyd Thiel will be the speaker for the evening, giving a slide presentation of soup kitchen activities at the Capuchin Community Center in Detroit.

Several door prizes will be awarded including a Biblical Trivial Pursuit donated by Dayspring Gifts, an oak frame and mirror donated by Merkel's, a cassette radio donated by Heydlauff's, five \$10 coupons for meals at the Chelsea Woodshed and a week-end at Weber's Inn. The ability and success of FIA

to dispense vital resources to those in need in the community depends on support in fund-raising events such as the banquet.

For tickets or information call FIA at 475-3005.

### Gregory Area Youth Completes Marine Recruit Training

Marine Pfc. Antal C. Schweitzer, son of Maryann Pruitt of 1335 Noah Rd., Gregory, has completed recruit training at Marine Corps Recruit Depot, San Diego, Calif.

During the 11-week training cycle, Schweitzer was taught the basics of battlefield survival. He was introduced to the typical daily routine that he will experience during his enlistment and studied the personal and professional standards traditionally exhibited by Marines.

He participated in an active physical conditioning program and gained proficiency in a variety of military skills, including first aid, rifle marksmanship and close order drill.

A 1982 graduate of Theodore Roosevelt High School, Wyandotte, he joined the Marine Corps in March 1985.

### Cribbage Tourney Standings Changed After Third Round

The Chelsea Cribbage Tournament expected some changes in standings after its final round of 30 qualifying games on March 25 were completed. The second night had only two local competitors in the top eight places with out-of-towners dominating the field.

When the results were tallied after the third round, five local players made it into the finals, which include two couples who will pit their skills against their spouses.

Tom Haight continued to hold the lead position, Hod Hull moved up into second and Dave Kruse fell down into third. Finishing in the top final eight places, all from Chelsea, were Ginny Wheaton, Skip Schluppe, Duane Boyer, Sally Schluppe and Gini Boyer. April 1 will see them competing for the top four places and trophies.

March 25 final qualifying games were as follows.

	W	L	Pts.
1. Tom Haight	22	8	870
2. Hod Hull	18	12	1246
3. David Kruse	18	12	1216
4. Ginny Wheaton	16	14	1492
5. Skip Schluppe	16	14	1422
6. Duane Boyer	15	15	1621
7. Sally Schluppe	15	15	1549
8. Gini Boyer	15	15	1513
9. Allen Schiller	14	16	1685
10. Barbara Corser	14	16	1684
11. David Brennan	14	16	1671
12. Peg Patchett	14	16	1493
13. Harriet Haight	13	17	1861
14. Tom Ziezini	13	17	1797
15. Craig Sinclair	12	18	1908
16. Norman Allen	11	19	1999

### Washtenaw County Has Weatherline

Washtenaw county area residents now have Weatherline, a local number to call for complete temperature and full forecast. Free from most area phones, Weatherline is available 24 hours a day at 973-2929.

Michigan National Bank brings Weatherline to the area in cooperation with Radio 16 WAAM. In addition to 24-hour temperature and forecast, Weatherline advises callers of emergency weather conditions when they exist.

A St. Louis based company founded in 1968, Weatherline, Inc., operates over 90 such information-by-phone services around the country. The local system is one of eight in the state of Michigan where changeable weather makes these community services very popular.

### Pinckney Youth Completes Army Basic Training

Pvt. Scott M. Lyke, son of Nancy L. and Roger R. Lyke of 274 Dexter St., Pinckney, has completed basic training at Fort Dix, N.J.

During the training, students received instruction in drill and ceremonies, weapons, map reading, tactics, military courtesy, military justice, first aid, and Army history and traditions.

He is a 1985 graduate of Pinckney High School.

Subscribe today to The Standard



A SURE SIGN OF SPRING IN CHELSEA, as everyone knows, is when the little buffaloes start to appear. These short-horned little critters were spotted with their mother... well, maybe their father, it's a little difficult to tell, on the Charles Sullivan farm on Lehman Rd. near M-52.



Because of the rotation of the earth, an object can be thrown farther if it is thrown west.

Sichuan is the province in China from which Michigan was presented with 2,000 pheasant eggs to help revitalize Michigan's dwindling ringneck population with a new strain; and 21 adult Sichuan (blackneck) pheasants in 1985.

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- MICROBAKES

Model JMT20  
Cooks five ways—microwave, toast, broil, bake, and microbake. Sit it on the counter or hang it up under your kitchen cabinets. 5 cu. ft. oven cavity. Five microwave power levels.

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**SPACEMAKER III MICROWAVE OVEN**

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Hangs from kitchen wall cabinets. 6 cu. ft. cavity. Time Cooking with 35 minute timer. Defrost cycle. Variable Power Levels. 5-Year Limited Warranty—Carry-In Service (Parts & Labor). See warranty for details.

**SALE \$479**

**DELUXE SPACEMAKER MICROWAVE OVEN**

Model JVM150  
Replaces existing range hood. Built-in exhaust fan and cooktop light. Automatic Cooking Control features Auto Cook, Auto Roast, and Auto Defrost. Up to 12-hr. delay start. 10 cu. ft. oven cavity.

**Hotpoint Compact Microwave Oven \$149**

- Compact, 6.5 cu. ft. oven cavity
- 35-minute timer with end-of-cycle signal
- 2 power levels for added versatility in cooking and defrosting
- Convenient Start Bar
- Attractive woodgrain case
- 1 Year Limited Warranty—(Carry-In Service, Parts & Labor) (See Warranty for Details)

**HOTPOINT RE 967 MICROWAVE OVEN SALE \$249.95**

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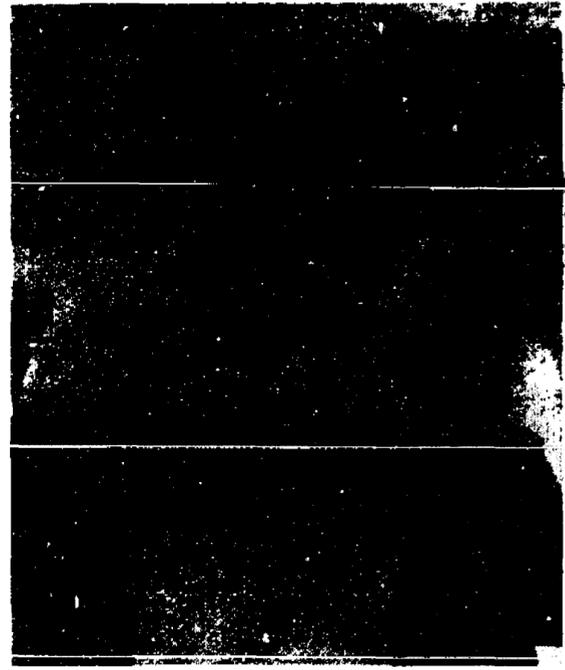
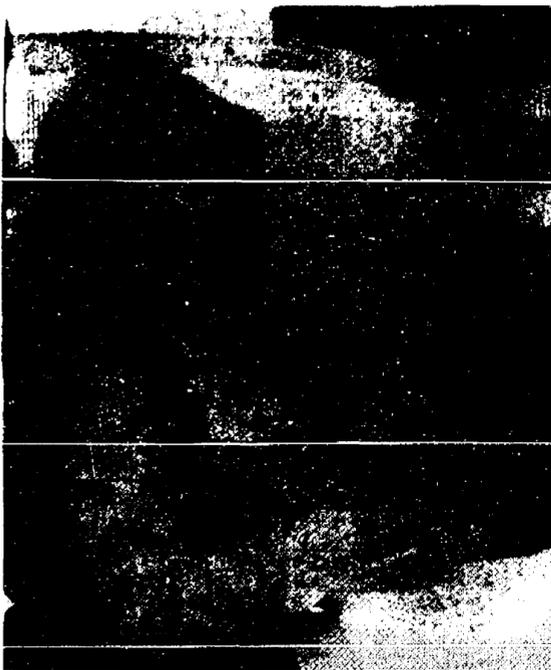
113 N. Main St., Chelsea Ph. 475-1221

VISA

# WASHTENAW COMMUNITY COLLEGE SPRING 1986 TIME SCHEDULE

Volume 15-Number 3

April 1986



## Financial Aid

Last academic year, more than 6,000 WCC students received over \$3.0 million in financial aid. And the 1985-86 plan calls for a five percent increase in both total aid and number of students served. This increase, along with three new aid programs, means good news for students enrolling at WCC this semester.

The new financial aid package recently approved by the College's Board of Trustees included these new offerings: the President's Honor Scholarship, designed for outstanding high schoolers, the Department Scholarship, aimed at promoting worthy students within the academic departments at WCC, and the Emergency Loan, which helps needy students with emergency cash needs related to attending college.

These new additions are a small part of WCC's extensive financial aid program, which offers state and federally-funded grants, College-funded scholarships, student loans and College Work Study — a program that lets the student work on campus and earn money for school. In early February, the College sponsored "Mardi '86 & All That Jazz," a fundraising party that brought in about \$15,000 for student scholarships.



## STUDENT PROFILE

National trends in higher education show that the average student found on this country's campuses is getting older. That's because 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 WCC's campus, too. The average age here is 27.

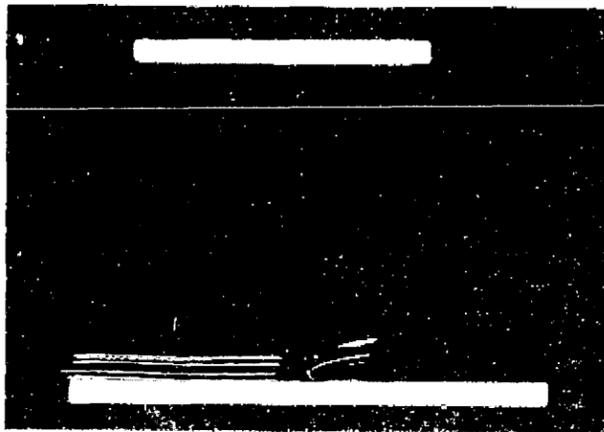
But putting all students at WCC in a single category would be unfair. At Washtenaw, the "older student" is just the beginning.

WCC has many students who

come straight out of high school and work toward two-year Associate's or General Studies Degrees. Some of these students will take that degree into the job marketplace when they're done here. Others may 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 the student body: work. Students of all ages juggle jobs, classes, and sometimes families, all at once. In fact, about two-thirds who filled out a recent survey said they worked while attending school; over half work full-time.

At the other end of the spectrum are WCC's "senior" students — those retired citizens who take advantage of the College's policy that allows senior citizens in Washtenaw County to take classes for free.



## Extension Centers

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 these courses are offered and what classes there are to choose from, turn to the Extension Center Course Listings in this Time Schedule. For information about Extension Centers, call 973-3408.



## Special Services

There is more to attending college than listening to lectures, scribbling notes and taking exams. Offices like Career Development, Adult Resources and the

Counseling Center can help smooth some of the rough edges that come with going to college. Career Development offers computerized services and personal advice for finding employment and planning a career. Adult Resources offers drop-in counseling for adult returning students and is especially sensitive to the needs of female and minority students while the Counseling Center can help with academic and personal concerns. Setting up a semester or yearly schedule of classes is one of many services offered in Counseling.

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 other services, too, important offices that can be explored with a visit to campus.

## Board of Trustees

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Instruction and Student Services



## Learning Labs

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 fulfilling specific class assignments while the Learning Resource Center's Micro Lab is open to anyone who wishes to use the Apples, Commodores and a Hewlett-Packard for functions like 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.

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## TV Courses

The whole idea behind the community college is accessibility. It's an idea taken very seriously at WCC, and for proof, simply turn on your television. Each semester, WCC offers a variety of telecourses. Instead of attending lectures, students tune into specially-produced films and documentaries, take notes in their own homes and meet regularly with a teacher and other class members for discussion. The courses are graded and are worth credit hours — just like others at the College. But you can fit them into *your* schedule.

For a complete listing of this semester's telecourses, turn to page 32. For information, call 973-3671.



## Child Care

A fully-licensed "special place" is provided for children in WCC's spacious Family Education Building. Children from ages one and a half to nine years are welcome at the Children's Center, which cares for children of students, staff and former WCC students while parents attend class, study or work on campus.

"We don't just help the student go to school," said Trisha Travis, coordinator of the Children's Center. "We help them excel because we provide family support. Our staff doesn't just ho-hum through the day. They are dedicated and very capable" — they try to provide the parents with service above and beyond minimum child care."

Call 973-3538 for information.



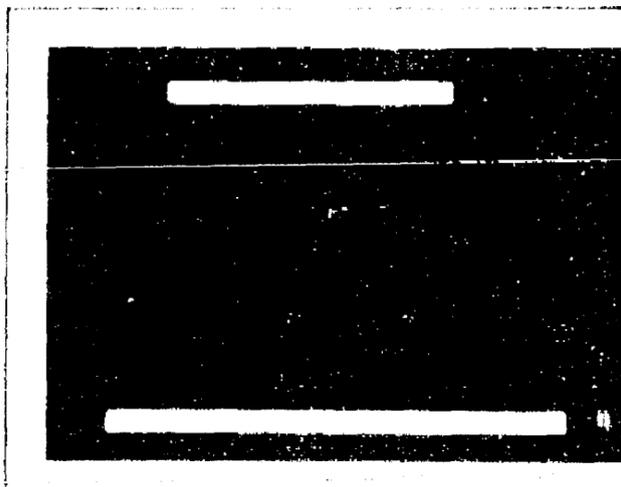
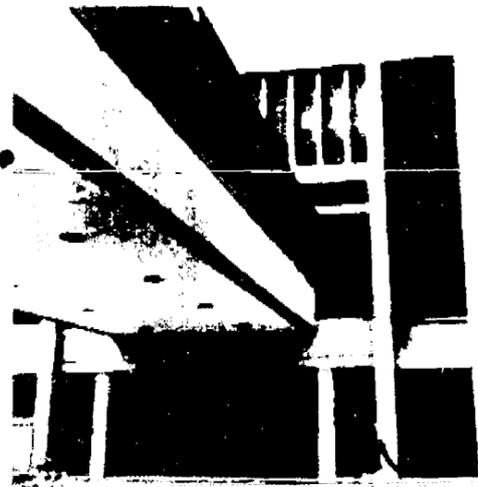
## WASHTENAW COMMUNITY COLLEGE TELEPHONE ASSISTANCE

<b>Switchboard</b> (General Information)	<b>(313) 973-3300</b>
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
<b>General Information</b>	<b>973-3300</b>
Information Center (College Events, Resources)	973-3622
Learning Resource Center (Library)	973-3429
Office of Cooperative Education	973-3656
Registration	973-3548
<b>Registration Information Tape</b> (Daily Hours and General Information)	<b>973-3650</b>
Technical Job Training Programs (Apprenticeship and Trade Related Programs)	973-3533
Telecourse Hotline	973-3671
<b>Telephone Registration</b>	<b>973-3100</b>
Veteran's Counseling	973-3481

## WCC Calendar

### SPRING SESSION 1986

<b>April 7-11</b>	Telephone registration for continuing students. Weekday hours are 8:30 a.m. to 8:00 p.m., except on April 11 when the hours will be 8:30 a.m. to 4:00 p.m.
<b>April 7-16</b>	Payment period for telephone registrations. Weekday hours are 8:30 a.m. to 4:00 p.m., except on April 10, 14 and 16 when the hours will be 8:30 a.m. to 8:00 p.m.
<b>April 9-11</b>	Orientation sessions for new students who applied for admission by March 15. For information, call 973-3464.
<b>April 21-May 2</b>	Orientation sessions open to all new students. For information call 973-3464.
<b>April 21-May 2</b>	On-campus registration. Weekday hours are 8:30 a.m. to 8:00 p.m., except on April 25, 28, 29, 30 and May 2, when the hours will be 8:30 a.m. to 4:00 p.m.
<b>May 5</b>	<b>Spring and Spring Summer classes begin</b>
<b>May 5-7</b>	Orientation sessions for all new students. For information, call 973-3464.
<b>May 5-7</b>	On-campus late registration. Drop/add period. Weekday hours are 8:30 a.m. to 8:00 p.m.
<b>May 26</b>	Memorial Day holiday - College closed
<b>June 20</b>	<b>Spring classes end</b>
<b>June 23</b>	Grades due



### SUMMER SESSION 1986

<b>June 16-20</b>	Orientation sessions for all new students. For information call 973-3464.
<b>June 16-20</b>	On-campus registration. Weekday hours are 8:30 a.m. to 4:00 p.m., except on June 19 when the hours will be 8:30 a.m. to 8:00 p.m.
<b>June 23</b>	<b>Summer classes begin</b>
<b>July 4</b>	Independence Day holiday - College closed
<b>August 8</b>	<b>Spring/Summer and Summer classes end</b>
<b>August 11</b>	Grades due

## Getting Started

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.

If you plan on attending WCC and know what you want, this schedule

will give you essential information for starting the process. If you don't know what you want or need, planning can help. Flip through the schedule. Many changes are being made. See you at WCC.

Call today for all the latest information.

## 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. One way the College does this is through Business and Industry Services, a program that 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 and different 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 on-site. Two examples of this are last summer's efforts with Buick-Oldsmobile-Cadillac, when more than 4,000 BOC workers received training at WCC, and the recent opening of a Cooperative Training Center at the Ford plant in Ypsilanti.

For information call 973-3533.

## Associate Degree

During the past 10 years, the number of associate degrees awarded in the U.S. increased by about 60 percent, compared with an 11 percent increase for the baccalaureate degree. In fact, associate degrees accounted for 18 percent of all degrees in 1970 and have grown to 23 percent by the end of that decade. Why the growth in these two-year degree programs?

Some people feel that access to it is the key -- associate degrees provide people a shot at higher education regardless of educational or economic background. Others feel the true strength of the associate degree lies in its flexibility since it assures four-year and transfer colleges, as well as employers, that the student is qualified to enter both the upper divisions of college and the work force. Still others point to the degree's combination of job-related skills and a foundation in general studies.

Whatever the reason, associate degrees are on the rise. For information about the two-year programs at WCC, call 973-3622.

## Continuing Education

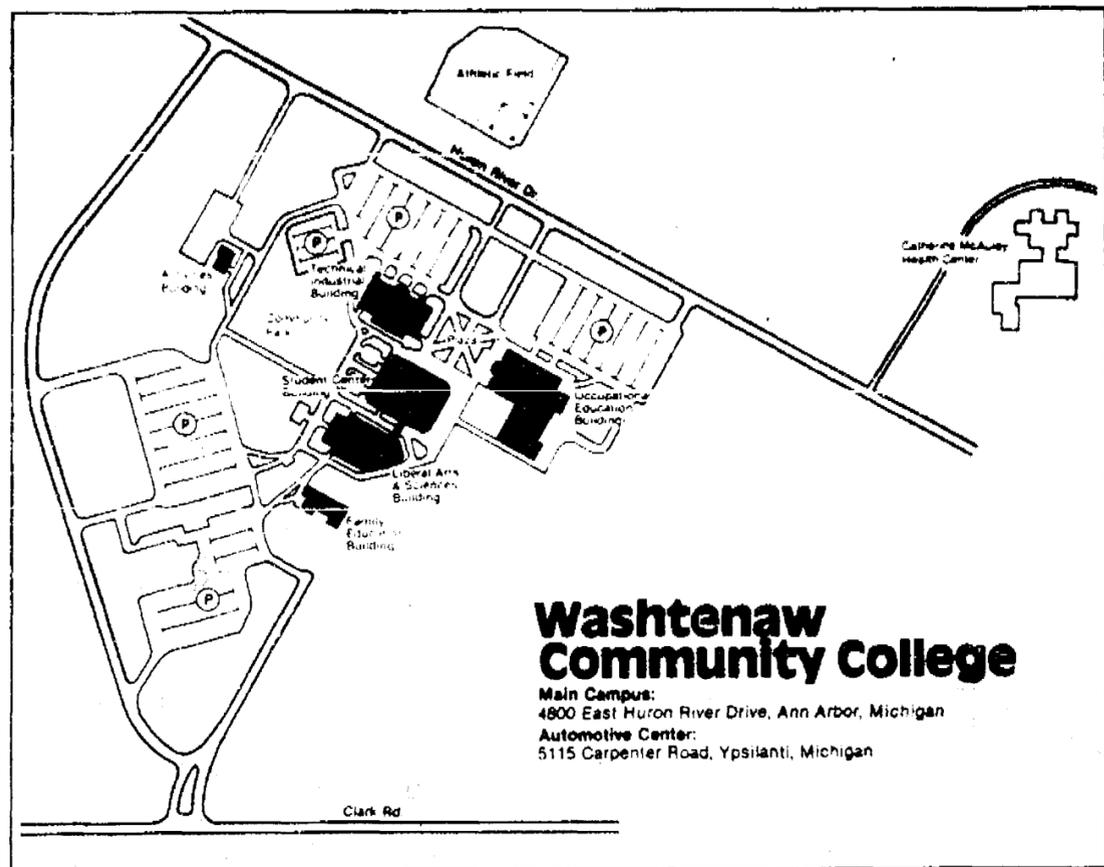
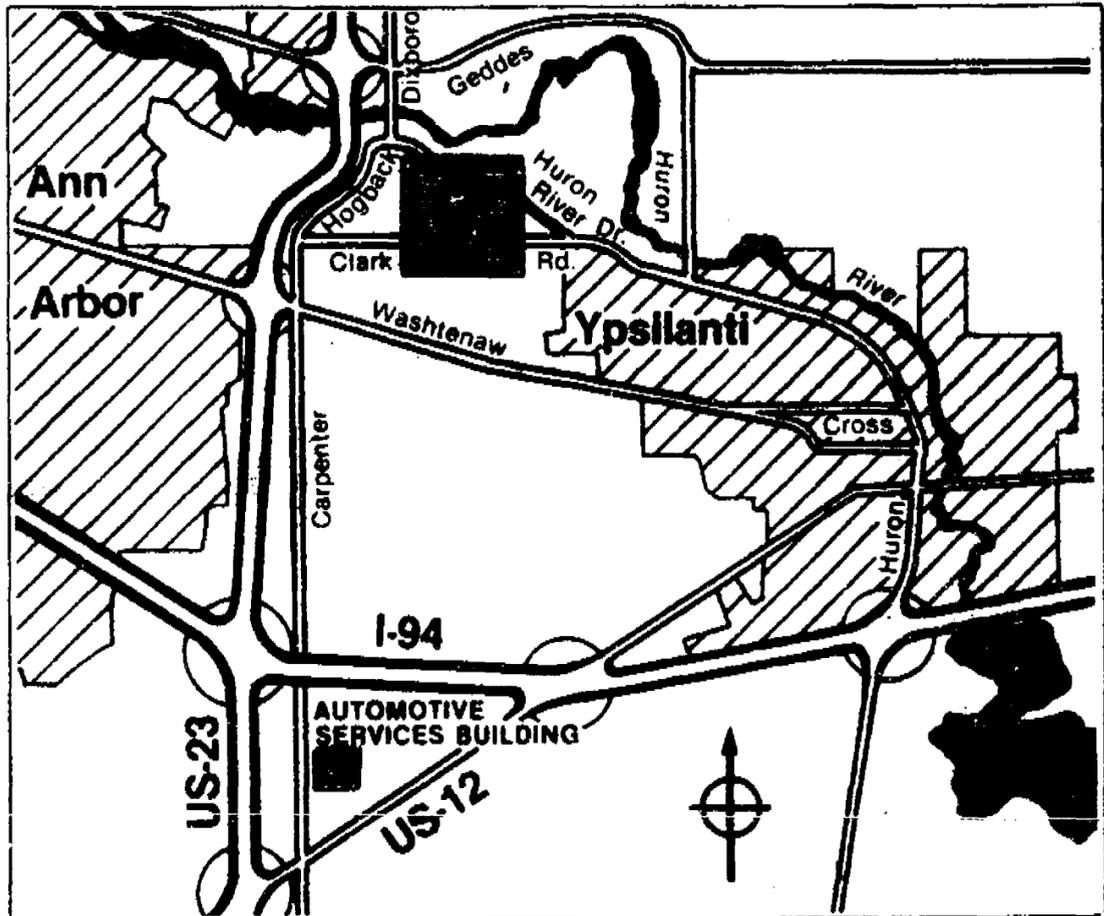
If Continuing Education is the link through which the College extends its services to business, industry, labor and the community, then that link was recently strengthened.

This past winter, Dr. Edith Jacques, dean for continuing education at WCC, was honored for her support and contributions to a national organization dedicated to promoting continuing education. The award given to Jacques is evidence of WCC's commitment to this notion of community service — one of the hallmarks of the community college system.

Continuing education is ideal for those who missed out on college earlier in their lives but now feel they need a class or two 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. Jacques became interested in providing this service while working in adult education in local school districts before joining WCC a decade ago.

"In those days, we put people in categories," she said. "You went to school from the age of five to 18. If you went to college, you did so right after high school and finished in four years. A lot of people didn't go to college and felt they 'missed the boat.' It's nice to see those people getting a chance to do something they missed."

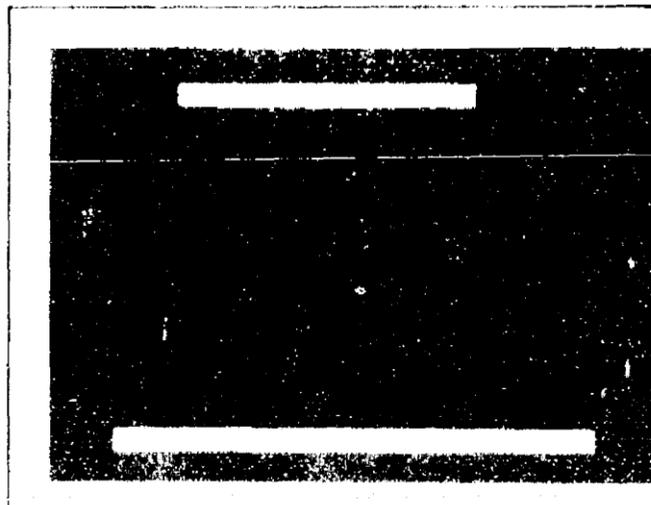
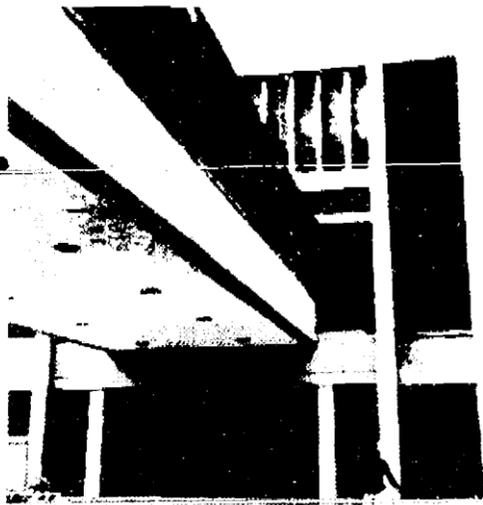
For a complete listing of Continuing Education offerings for this semester, turn to page 4. For information, call 973-3493



## WCC Calendar

### SPRING SESSION 1986

<b>April 7-11</b>	Telephone registration for continuing students — weekday hours are 8:30 a.m. to 8:00 p.m. except on April 11, when the hours will be 8:30 a.m. to 4:00 p.m.
<b>April 7-16</b>	Payment period for telephone registrations — weekday hours are 8:30 a.m. to 4:00 p.m. except on April 10, 14 and 16, when the hours will be 8:30 a.m. to 8:00 p.m.
<b>April 9-11</b>	Orientation sessions for new students who applied for admission by March 15. For information, call 973-3464.
<b>April 21-May 2</b>	Orientation sessions open to all new students. For information call 973-3464.
<b>April 21-May 2</b>	On-campus registration — weekday hours are 8:30 a.m. to 8:00 p.m. except on April 25, 28, 29, 30 and May 2, when the hours will be 8:30 a.m. to 4:00 p.m.
<b>May 5</b>	<b>Spring and Spring/Summer classes begin</b>
<b>May 5-7</b>	Orientation sessions for all new students. For information, call 973-3464.
<b>May 5-7</b>	On-campus late registration, drop/add period — weekday hours are 8:30 a.m. to 8:00 p.m.
<b>May 26</b>	Memorial Day holiday — College closed
<b>June 20</b>	<b>Spring classes end</b>
<b>June 23</b>	Grades due.



### SUMMER SESSION 1986

<b>June 16-20</b>	Orientation sessions for all new students. For information call 973-3464.
<b>June 16-20</b>	On-campus registration — weekday hours are 8:30 a.m. to 4:00 p.m. except on June 19, when the hours will be 8:30 a.m. to 8:00 p.m.
<b>June 23</b>	<b>Summer classes begin</b>
<b>July 4</b>	Independence Day holiday — College closed
<b>August 8</b>	<b>Spring/Summer and Summer classes end</b>
<b>August 11</b>	Grades due

## Getting Started

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.

If you plan on attending 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 973-3300 for information.

## 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. One way the College does this is through Business and Industry Services, a program that 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 and different 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 on-site. Two examples of this are last summer's efforts with Buick-Oldsmobile-Cadillac, when more than 4,000 BOC workers received training at WCC, and the recent opening of a Cooperative Training Center at the Ford plant in Ypsilanti.

For information call 973-3533.

## Associate Degree

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## Continuing Education

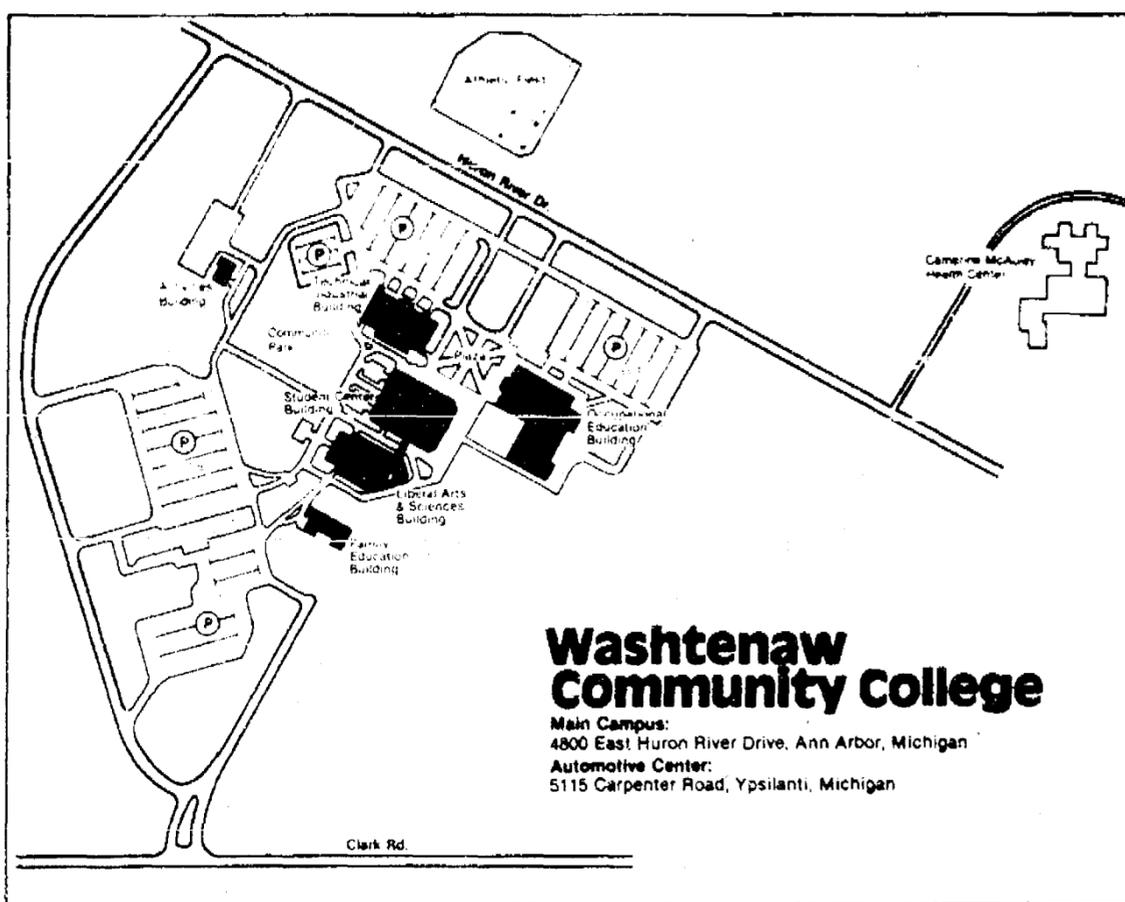
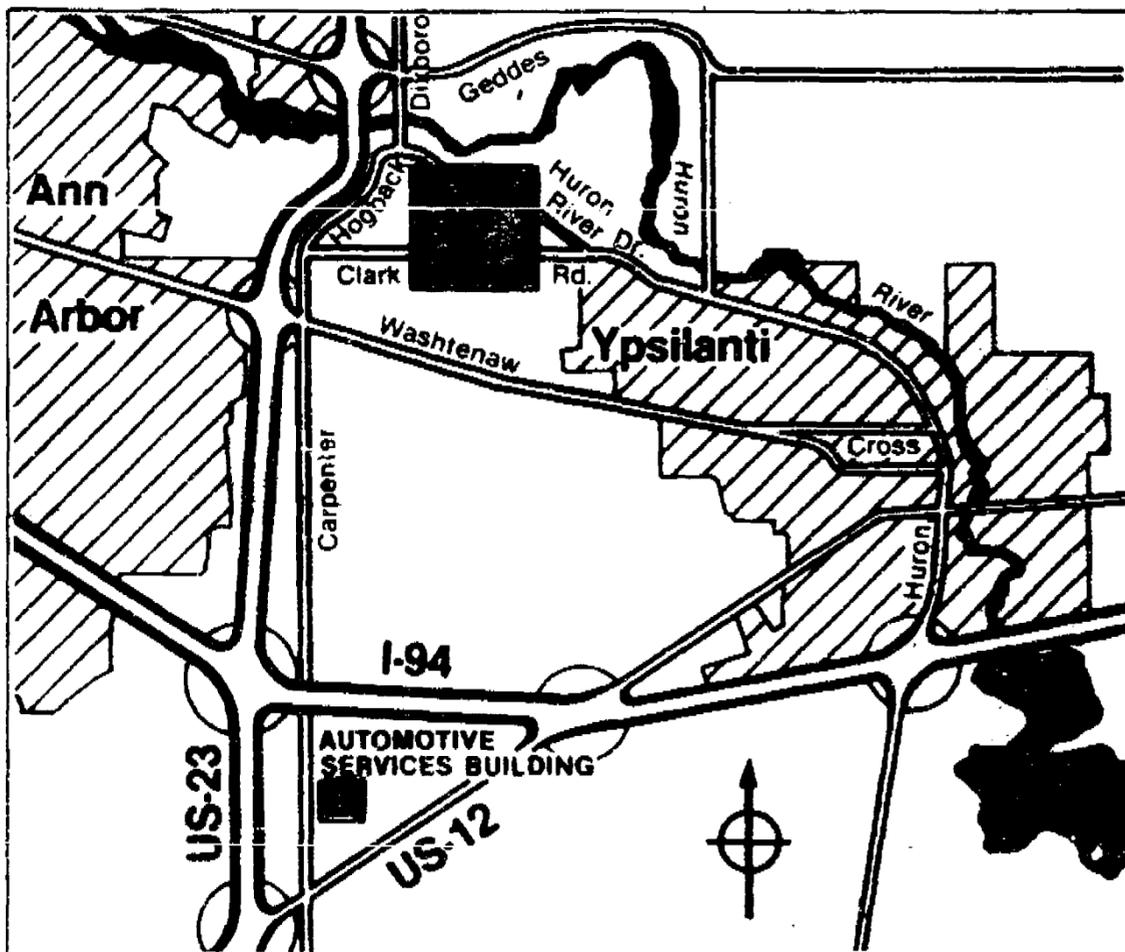
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For a complete listing of Continuing Education offerings for this semester, turn to page 4. For information, call 973-3493.



# 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

## 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

Have a question about financial aid? Contact the financial aid staff in Enrollment Services (room 221 Student Center Building) or call (313) 973-3523.

### Tuition (Per Credit Hour)

In-district — \$29 • Out-district — \$49 • Out-state/country — \$60

### Fees

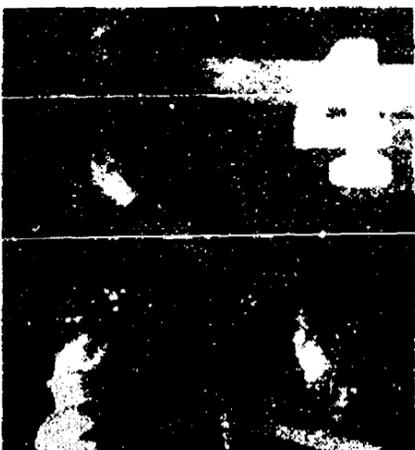
There is a non-refundable \$10 application fee, a \$5 fee for late registration and a \$10 processing fee for students who are registered but withdraw prior to the first day of school.



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 all 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 Washtenaw 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 on your new school, takes you on a campus tour, provides you with academic advising and information on study skills and time management — all designed to enhance your opportunities for success.

### ORIENTATION SCHEDULE

Orientation is offered at various times during the day and evening. Check below for times that meet your schedule and then refer to the days that orientation will be offered during those times.

#### Times

8 a.m.-11:30 a.m.	April 21, 22, 24, 25, 28, 30 May 2, 5, 7 June 16, 18	noon-3:30 p.m.	April 21, 22, 23, 28, 29 May 1, 2, 5, 6 June 17, 20
9 a.m.-12:30 p.m.	April 19	4 p.m.-7:30 p.m.	April 21, 24 May 1, 5, 7 June 19
		6 p.m.-9:30 p.m.	April 22

Note: You may be exempt from orientation. Talk with the counseling staff.



## 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 may want to 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 the Permit to Register: These permits 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, and 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're 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

**Spring Session:** April 21 to May 2, 8:30 a.m. to 8 p.m. weekdays except April 25, 28, 29, 30 and May 2, when hours will be 8:30 a.m. to 4 p.m.

**Summer Session:** June 16-20, 8:30 a.m. to 4 p.m. weekdays except June 19, when hours will be extended to 8 p.m.

**LATE REGISTRATION ON CAMPUS:** The late registration and drop/add period will be May 5-7, with weekday hours from 8:30 a.m. to 8 p.m.

### TELEPHONE REGISTRATION

(313) 973-3100 Continuing Students

(313) 973-3533 Industrial Apprentices and Trainees

**Spring and Summer Session:** April 7-11, weekdays 8:30 a.m. to 8 p.m. except April 11, when hours will last until 4 p.m.

If you are currently enrolled and plan to continue this semester, follow these steps:

1. Have your social security number ready.
2. Have the correct course, department number, title, days and hours the course will meet ready.
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.



## 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 drops are subject to the College's refund policy.

**Remember:** you're 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!

### 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.

# CREDIT CLASSES IN AREA CENTERS

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>ANN ARBOR "Y" 350 S. Fifth Avenue</b>								
122	IMAGES OF WOMEN IN MYTH		2	183	T R	7:00- 9:15 PM	ANN	TOMPKINS

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>BRIGHTON AREA CENTER 805 Spencer Road</b>								
039	BASIC MATHEMATICS		3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
090	OCCUPATIONAL MATHEMATICS	MTH 039	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
097A	INTRODUCTORY ALGEBRA	MTH 039	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
097B	INTRODUCTORY ALGEBRA	MTH 097A	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
163	BUSINESS MATHEMATICS	MTH 039	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
169A	INTERMEDIATE ALGEBRA	MTH 097	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
169B	INTERMEDIATE ALGEBRA	MTH 169A	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
177	TRIANGLE TRIGONOMETRY	MTH 097	3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>CHELSEA HIGH SCHOOL East Washington Street</b>								
039	BASIC MATHEMATICS		3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
090	OCCUPATIONAL MATHEMATICS	MTH 039	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
097A	INTRODUCTORY ALGEBRA	MTH 039	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
097B	INTRODUCTORY ALGEBRA	MTH 097A	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
163	BUSINESS MATHEMATICS	MTH 039	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
169A	INTERMEDIATE ALGEBRA	MTH 097	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
169B	INTERMEDIATE ALGEBRA	MTH 169A	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J
177	TRIANGLE TRIGONOMETRY	MTH 097	3	155	M W	6:00- 9:15 PM	CHELSEA	MORILL J

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>DEXTER HIGH SCHOOL 2615 Baker Road</b>								
039	BASIC MATHEMATICS		3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
090	OCCUPATIONAL MATHEMATICS	MTH 039	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
097A	INTRODUCTORY ALGEBRA	MTH 039	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
097B	INTRODUCTORY ALGEBRA	MTH 097A	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
163	BUSINESS MATHEMATICS	MTH 039	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
169A	INTERMEDIATE ALGEBRA	MTH 097	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
169B	INTERMEDIATE ALGEBRA	MTH 169A	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
177	TRIANGLE TRIGONOMETRY	MTH 097	3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>SALINE HIGH SCHOOL 7190 Maple Road</b>								
039	BASIC MATHEMATICS		3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
090	OCCUPATIONAL MATHEMATICS	MTH 039	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
097A	INTRODUCTORY ALGEBRA	MTH 039	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
097B	INTRODUCTORY ALGEBRA	MTH 097A	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
163	BUSINESS MATHEMATICS	MTH 039	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
169A	INTERMEDIATE ALGEBRA	MTH 097	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
169B	INTERMEDIATE ALGEBRA	MTH 169A	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G
177	TRIANGLE TRIGONOMETRY	MTH 097	3	194	M W	6:00- 9:15 PM	SALINE	SMITH G

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>YPSILANTI COMMUNITY CENTER BUILDING 210 West Cross</b>								
039	BASIC MATHEMATICS		3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
090	OCCUPATIONAL MATHEMATICS	MTH 039	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
097A	INTRODUCTORY ALGEBRA	MTH 039	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
097B	INTRODUCTORY ALGEBRA	MTH 097A	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
163	BUSINESS MATHEMATICS	MTH 039	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
169A	INTERMEDIATE ALGEBRA	MTH 097	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
169B	INTERMEDIATE ALGEBRA	MTH 169A	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
177	TRIANGLE TRIGONOMETRY	MTH 097	3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B

100 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**ACCOUNTING (ACC) ..... Dept. 41**

**SPRING**

Course Number	Title	Prerequisite	Cr. Number	Section Number	Days	Hours	Room	Instructor
092	FUND OF ACCOUNTING	ACC 091	3	101	M W F	1:00- 3:10 PM	244 LA	
111	PRIN OF ACCOUNTING	M, TH 163, 167	3	101	M W F	8:00-10:10	244 LA	KOKKALES P
			3	102	M W F	10:30-12:45 PM	244 LA	KOKKALES P
			3	103	M W			
122	PRIN OF ACCOUNTING	ACC 111	3	101	M W F	10:30-12:45 PM	236 LA	MEYERS N
			3	102	T R			
131	COMPUTER ACCOUNTING	ACC 092,111	3	101	M W F	8:00-10:15	209 TI	MEYERS N
			3	102	M W			

**SPRING-SUMMER**

111	PRIN OF ACCOUNTING	MTH 163 167	3	201	T R	2:15- 3:45 PM	244 LA	
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**SUMMER**

111	PRIN OF ACCOUNTING	MTH 163 167	3	301	M W F	8:00-10:10	244 LA	
122	PRIN OF ACCOUNTING	ACC 111	3	301	M W F	10:30-12:45 PM	244 LA	

**ANTHROPOLOGY (ANT) ..... Dept. 01**

**SPRING**

150	RELIGIONS OF WORLD		3	101	M T W R F	9:15-10:30	107 SC	THOMAS E
211	INTRO TO YOGA		3	101	M W			WHITEFORD P
			3	102	T R	8:45-12:00	121 AC	WHITEFORD P

**SPRING-SUMMER**

201	INTRO CULT ANTHRO		3	250	***	TO BE ARRANGED ***		SUSNICK S
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NOTE: Section 250 is a TV course using the program series "Faces of Culture."

**ARCHITECTONICS (ARC) ..... Dept. 61**

**SPRING**

109	SITE LAYOUT		3	101	T R	8:00-11:30	132 OE	POGLIANO M
117	CONST MATERIALS		3	101	TW	5:30- 8:30 PM	134 OE	BYRD D
150	PRES DRWGS & MODELS		4	101	M W	8:00- 1:00 PM	128 OE	POGLIANO M
189	STUDY PROBLEMS	CONSENT	1-8	101	***	TO BE ARRANGED ***		BYRD D
			1-8	102	***	TO BE ARRANGED ***		POGLIANO M
199	ON THE JOB TRAINING	CONSENT	1-6	101	***	TO BE ARRANGED ***		BYRD D
207	EST CONST COSTS	117&120	2	101	T	8:00-10:30	134 OE	BYRD D
208	EST CONST COSTS	207	2	101	M	5:30- 8:30 PM	134 OE	BYRD D
209	SURVEYING	MTH 151	3	101	T R	8:00-11:30	132 OE	POGLIANO M

**Key to Building and Center Abbreviations  
 In this Schedule**

Centers		Buildings		Days of the week	
<b>AAY</b>	Ann Arbor "Y"	<b>AC</b>	Activities Building	<b>M</b>	Monday
<b>BRIAR</b>	Briarwood Shopping Mall	<b>AS</b>	Automotive Service Center	<b>T</b>	Tuesday
<b>BRGHT</b>	Brighton High School	<b>FE</b>	Family Education Building	<b>W</b>	Wednesday
<b>CHELS</b>	Chelsea High School	<b>LA</b>	Liberal Arts and Science Building	<b>R</b>	Thursday
<b>DEXTR</b>	Dexter High School	<b>OE</b>	Occupational Education Building	<b>F</b>	Friday
<b>LINCN</b>	Lincoln Consolidated High School	<b>SC</b>	Student Center Building	<b>S</b>	Saturday
<b>SALNE</b>	Saline High School	<b>TI</b>	Technical and Industrial Building		
<b>YPSI</b>	Ypsilanti Community Center Building				

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**ARCHITECTONICS (ARC) ..... Dept. 61 (Cont.)**

**SPRING-SUMMER**

199 ON THE JOB TRAINING CONSENT 1-6 201 \* \* \* TO BE ARRANGED \* \* \* BYRD D  
 226 REPROGRAPHICS CONSENT 4 201 M 11.45- 4:15 PM 134 OE BYRD D

**SUMMER**

100 SPECIFICATIONS ARC 117 1 301 M 5:30- 7:40 PM 134 OE BYRD D  
 189 STUDY PROBLEMS CONSENT 1-8 301 \* \* \* TO BE ARRANGED \* \* \* BYRD D  
 210 STRUCTURE IN ARCH SEE CATALOG 2 301 T 9:15- 1:30 PM 134 OE POGLIANO M

**ART (ART) ..... Dept. 17**

**SPRING**

101 DRAWING AND PAINTNG 3 101 T R 9:15-12:30 PM 103 TI RADICK L  
 120 PORT PNTG LIFE DRAW 4 101 M W F 8:00-12:15 PM 103 TI LOCKARD J  
 124 IMAGINATIVE DRAWING 2 101 W 6:00-10:00 PM 103 TI HOROWITZ F  
 130 ART APPRECIATION 3 101 T R 6:30- 9:45 PM 342 LA LORINE B  
 140 LIFE DRAWING 4 101 M W F 12:15- 4:30 PM 103 TI HOROWITZ F  
 189 STUDY PROBLEMS 1-8 101 \* \* \* TO BE ARRANGED \* \* \* LOCKARD J

**SPRING-SUMMER**

114 PAINTING 4 201 T R 12:30- 3:30 PM 124 OE GUASTELLA D

**SUMMER**

101 DRAWING AND PAINTING 3 301 T R 9:15-12:30 PM 103 TI ZENIAN P  
 111 BASIC DRAWING 4 301 M W F 8:00-12:00 103 TI ZENIAN P

**ASTRONOMY (AST) ..... Dept. 32**

**SPRING**

100 INTRO ASTRONOMY 1 101 R 7:00- 9:00 PM 207 LA

**AUTO BODY REPAIR (ABR) ..... Dept. 59**

**SPRING**

125 FLAT RATE ESTIMATNG 2 101 T R 8:00-11:20 ANNEX AS JORDAN L  
 2 102 T R 6:00- 9:20 PM ANNEX AS DOSEY M  
 130 CUSTOM PAINTING 112 1 101 F 8:00-12:20 PM ANNEX AS PIKE C  
 189 STUDY PROBLEMS CONSENT 1-8 101 M W 1:00- 5:20 PM ANNEX AS JORDAN L  
 1-8 102 T R 6:00-10:20 PM ANNEX AS  
 199 ON THE JOB TRAINING CONSENT 1-6 101 \* \* \* TO BE ARRANGED \* \* \*  
 226 UNIBODY STRUC ALIGN 2 101 M W 8:00-12:20 PM ANNEX AS CAMMET E  
 2 102 M W 6:00-10:00 PM ANNEX AS CAMMET E  
 230 SPECIALIZED STUDY CONSENT 2-8 101 M W 1:00- 5:20 PM ANNEX AS JORDAN L  
 2-8 102 T R 6:00-10:20 PM ANNEX AS

**SUMMER**

131 ADV CUSTOM PAINTING 2 301 M W 8:00-12:20 PM ANNEX AS JORDAN L

**AUTOMOTIVE SERVICE (AS) ..... Dept. 60**

**SPRING**

059 CONSUMER CAR CARE 1 101 S 8:00-12:00 T3L2 AS  
 110 AUTO SERVICE FUND 2 101 T R 8:00-12:20 PM T3L1 AS  
 2 102 M W 1:00- 5:20 PM T3L1 AS BARRON K  
 2 103 M W 6:00-10:20 PM T1L1 AS  
 113 MANUAL DRIVE TRAINS COREQ: AS110 2 101 F 1:00- 5:20 PM T1L1 AS FISHER S  
 F 8:00-12:20 PM T1L1 AS  
 116 AUTO ELECTRONICS PRE/COREQ 110 2 101 T R 1:00- 5:20 PM T3L2 AS MANN J  
 124 WHEEL BAL & ALIGN 2 101 M W 8:00-12:20 PM T1L1 AS FISHER S  
 125 BRAKE SYSTEMS 2 101 T R 6:00-10:20 PM T1L2 AS  
 128 FUEL SYSTEMS SERVICE AS 110 2 101 M W 6:00-10:20 PM T3L2 AS  
 129 DIAGNOSIS & REPAIR I 110,111,113,116 2 101 T R 8:00-12:20 PM T3L2 AS  
 160 SMALL ENGINE REPAIR 2 101 T R 1:00- 5:20 PM T1L1 AS

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**AUTOMOTIVE SERVICE (AS) ..... Dept. 60 (Cont.)**

**SPRING (Cont.)**

186	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-6	101	...	TO BE ARRANGED	...	
219	DIAG & REPAIR II	121,125,126,128	3	101	T R F	8:00-12:20 PM	T3L2 AS	MANN J
227	HEAT & AIR COND	CONSENT	2	101	M W	8:00-12:20 PM	T3L2 AS	BROWN E
			2	102	T R	6:00-10:20 PM	T3L1 AS	
230	PRAC FIELD EXPER		2	101	F	8:00-12:20 PM	T3L1 AS	BROWN E

**SPRING-SUMMER**

160	SMALL ENGINE REPAIR		2	201	S	8:00-12:00	T1L1 AS	SCHUSTER W
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**SUMMER**

059	CONSUMER CAR CARE		1	301	S	8:00-12:00	T1L2 AS	
110	AUTO SERVICE FUND		2	301	M W	8:00-12:20 PM	T3L1 AS	
			2	302	M W	6:00-10:20 PM	T3L1 AS	
111	ENGINES	AS 110	2	301	T R	8:00-12:20 PM	T1L1 AS	
118	FUEL SYSTEMS	PRE/COREQ 110	2	301	M W	1:00- 5:20 PM	T3L2 AS	
189	STUDY PROBLEMS	CONSENT	1-8	301	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-6	301	...	TO BE ARRANGED	...	

**BIOLOGY (BIO) ..... Dept. 27**

**SPRING**

107	FIELD ECOLOGY		3	101	T R	1:00- 4:15 PM	303 LA	
132	GARDEN PLANTING		1	101	S	8:00-12:15 PM	303 LA	DAVENPORT J
206A	GENETICS		3	101	M W F	10:30-12:45 PM	L3 LA	GLEASON C
237	MICROBIOLOGY	BIO 101	4	101	T R	8:00-11:15	305 LA	NIEHAUS P
					T R	12:00- 3:15 PM	307 LA	
249	FIELD BIRD STUDY*		1	101	S	8:00-11:15	303 LA	CARPENTER T
259	FLD STDY COMMON PLT*		1	101	F	8:00-11:15	307 LA	NIEHAUS P
260	SPRING FLOWERS*		1	101	W	8:00-11:15	307 LA	NIEHAUS P

\* These courses meet May 5 - June 7

**SPRING-SUMMER**

101	CONCEPTS OF BIOLOGY		4	201	M W F	9:15-10:20	305 LA	
					R	9:15-12:15 PM	303 LA	
102	HUMAN BIOLOGY		4	201	M W	10:30-12:10 PM	305 LA	DAVENPORT J
					T	9:15-12:30 PM	301 LA	
			4	202*	M W	<del>6:00- 8:10 PM</del>	305 LA	DAVENPORT J
					R	<del>6:00- 8:10 PM</del>	301 LA	

\* Section 202 meets June 9-August 8

111	ANATOMY/PHYSIOLOGY		5	201	M W	1:00- 3:15 PM	305 LA	DAVENPORT J
					T	1:00- 4:15 PM	301 LA	
			5	202	T R	<del>7:00- 9:15 PM</del>	305 LA	GLEASON C
					W	<del>7:00- 9:15 PM</del>	301 LA	
270	NATURE PHOTOGRAPHY		1	201	R	1:00- 2:15 PM	301 LA	DAVENPORT J

**SUMMER**

101	CONCEPTS OF BIOLOGY		4	301	M W F	9:15-11:25	L3 LA	STRAYER J
					T R	9:15-12:30 PM	307 LA	
107	FIELD ECOLOGY		3	301	M W	1:00- 4:15 PM	303 LA	STRAYER J
133	GARDEN CARE		1	301	S	8:00-12:15 PM	303 LA	DAVENPORT J
249	FIELD BIRD STUDY*		1	301	S	8:00-11:15	303 LA	CARPENTER T
258	TREES AND SHRUBS		1	301	T	1:00- 3:10 PM	307 LA	STRAYER J
259	FLD STDY COMMON PLT		1	301	T	<del>5:30- 7:40 PM</del>	307 LA	STRAYER J

\* Meets June 23-July 26

**BLACK STUDIES (BLS) ..... Dept. 10**

**SPRING**

107	BLACK PSYCHOLOGY		3	101	M T W R F	10:30-11:45	342 LA	ROBERTS A
120	PORT PNTG LIFE DRAW		4	101	M W F	8:00-12:15 PM	103 TI	LOCKARD J
181	BLACK LIT		3	101	M T W R F	8:00- 9:15	313 SC	HATCHER R
201	THE BLACK CHILD		3	101	T R	1:00- 4:15 PM	215 SC	ROBERTS A

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Section Cr. Number Days Hours Room Instructor

**BLUEPRINT READING (BPR) ..... Dept. 64**

**SPRING**

101 BLUEPRINT READING 3 101 M W 11:00- 2:15 PM 113 OE LOWE B  
 3 102 M W 4:00- 7:15 PM 113 OE LOWE B  
 189 STUDY PROBLEMS CONSENT 1-8 101 \* \* \* TO BE ARRANGED \* \* \* LOWE B

**SPRING-SUMMER**

101 BLUEPRINT READING 3 201 T 12:00- 3:00 PM 113 OE LOWE B  
 189 STUDY PROBLEMS CONSENT 1-8 201 \* \* \* TO BE ARRANGED \* \* \* LOWE B

**SUMMER**

101 BLUEPRINT READING 3 301 M W 9:00-12:15 PM 113 OE LOWE B

**BUSINESS (BUS) ..... Dept. 46**

**SPRING**

107 WOMEN IN WORKPLACE 1 101 M 5:00- 7:00 PM 103 SC ARNOLD G  
 111 BUSINESS LAW 3 101 M W F 8:00-10:10 236 LA ZEEB R  
 3 102 M W 3:30- 6:45 PM 106 SC MCNALLY R  
 3 103 M W 7:00-10:15 PM 106 SC  
 140 INTRO TO BUSINESS 3 101 M W F 10:30-12:45 PM 103 SC ZEEB R  
 3 102 T R 7:00-10:15 PM 106 SC ROSS F  
 3 103 M W F 1:00- 3:10 PM 106 SC BELLERS C  
 3 104 T R 11:45- 3:00 PM 106 SC ROSS F  
 200 INDEPEND DIR STUDY CONSENT 2-8 101 \* \* \* TO BE ARRANGED \* \* \*  
 207 BUS COMMUNICATION 3 101 M W F 8:00-10:10 106 SC  
 3 102 M W F 10:30-12:45 PM 106 SC

**SPRING-SUMMER**

111 BUSINESS LAW 3 201 T R 11:45- 1:15 PM 236 LA  
 140 INTRO TO BUSINESS 3 201 T R 9:15-10:45 106 SC

**SUMMER**

111 BUSINESS LAW 3 301 M W F 1:00- 3:10 PM 244 LA  
 140 INTRO TO BUSINESS 3 301 M W F 10:30-12:40 PM 236 LA ROSS F  
 3 302 M W 5:30- 8:45 PM 236 LA ROSS F  
 3 303 M W 1:00- 4:15 PM 106 SC ROSS F  
 200 INDEPEND DIR STUDY CONSENT 2-8 301 \* \* \* TO BE ARRANGED \* \* \* ARNOLD G

**CHEMISTRY (CEM) ..... Dept. 33**

**SPRING-SUMMER**

057 INTRO CHEMISTRY 3 201 M W F 11:45-12:50 PM L2 LA VANGENDEREN G  
 3 202 M W F 11:45-12:50 PM L2 LA VANGENDEREN G  
 3 203 T 7:00-10:00 PM L2 LA GRISWOLD G  
 3 204 T 7:00-10:00 PM L2 LA GRISWOLD G  
 058 INTRO CHEMISTRY LAB 1 201 T 1:00- 4:00 PM 237 LA VANGENDEREN G  
 1 202 R 1:00- 4:00 PM 237 LA VANGENDEREN G  
 1 203 W 7:00-10:00 PM 237 LA  
 1 204 R 7:00-10:00 PM 237 LA GRISWOLD G  
 105 FUND OF CHEMISTRY HS CEM OR 057 4 201 { M W F 10:30-11:35 L2 LA POOL M  
 R 9:15-12:15 PM 235 LA  
 4 202 { M W F 10:30-11:35 L2 LA POOL M  
 T 9:15-12:15 PM 235 LA  
 111 GENERAL CHEMISTRY HS CEM & ALG 4 201 { M W F 9:15-10:20 L2 LA VANGENDEREN G  
 R 8:30-11:30 233 LA  
 4 202 { M W F 9:15-10:20 L2 LA VANGENDEREN G  
 T 8:30-11:30 233 LA  
 122 GENERAL CHEMISTRY CEM 111 4 201 { M T W R\* 1:00- 2:15 PM 238 LA POOL M  
 M T W R\*\* 1:00- 4:00 PM 231 LA

\* Meeting time for Spring  
 \*\* Meeting time for Summer

**BOTH ARE REQUIRED**

**SUMMER**

057 INTRO CHEMISTRY 3 301 M W F 1:00- 3:15 PM 238 LA WESTOVER K  
 058 INTRO CHEMISTRY LAB 1 301 T R 1:00- 4:00 PM 235 LA KAPP G

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**CHILD CARE WORKER (CCW) ..... Dept. 76**

**SPRING**

105	FRACTICUM 1		3	101	...	TO BE ARRANGED	...	GLUSAC A
106	FRACTICUM 11		3	101	...	TO BE ARRANGED	109 SC	GLUSAC A
107	EDUC EXPR SCI/MATH		3	101	M W	1:00- 4:15 PM	115 SC	
114	FRACTICUM 111		4	101	...	TO BE ARRANGED	109 SC	GLUSAC A
188	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	

**NOTE: CCW seminar for CCW 105, 106 AND 114 MEETS Monday and Wednesday, 1:00-2:00 p.m. In order to reserve available blocks of time, students are REQUIRED to arrange supervised teaching hours at WCC Children's Center BEFORE registration.**

**COMPUTER INFORMATION SYSTEMS (CIS) ..... Dept. 40**

**SPRING**

100	INTRO TO COMP		3	101	T R	8:30-11:45	214 TI	KRIEG L
			3	102	M W	1:00- 4:15 PM	214 TI	KRIEG L
105	MICRO COMP PROG BEG		2	101	M W	9:15-11:30	216 TI	
			2	102	T R	<del>8:30- 8:45 PM</del>	<del>216 TI</del>	
111	COMPUTER CONCEPTS		3	101	M W	8:00-11:15	210 TI	WOTRING R
			3	102	T R	8:00-11:15	210 TI	FINKBEINER C
			3	103	M W F	10:15-12:30 PM	214 TI	
			3	104	M W	1:00- 4:15 PM	210 TI	FINKBEINER C
			3	105	T R	12:15- 3:30 PM	214 TI	FINKBEINER C
			3	106	M W	<del>8:30- 8:45 PM</del>	<del>216 TI</del>	
			3	107	T R	<del>8:30- 8:45 PM</del>	<del>216 TI</del>	
115	PROGRAMMING LOGIC	CIS 112	3	101	T R	8:00-11:15	216 TI	WOTRING R
			3	102	T R	12:00- 3:15 PM	209 TI	WOTRING R
240	CAREER PRACTICES	ENG 100	2	101	M W	12:00- 2:10 PM	213 SC	

**SPRING-SUMMER**

100	INTRO TO COMP		3	201	M	9:15-12:30 PM	209 TI	JINDAL U
			3	202	R	12:15- 3:30 PM	211 TI	JINDAL U
			3	203	M	<del>8:30- 8:45 PM</del>	<del>214 TI</del>	
111	COMPUTER CONCEPTS		3	201	T R	10:30-12:10 PM	209 TI	JINDAL U
			3	202	W	<del>8:30- 8:45 PM</del>	<del>216 TI</del>	
130	PASCAL BUS & INDUS	CIS 111, 112	3	201	W	9:15-12:30 PM	209 TI	JINDAL U
			3	202	T	<del>8:30- 8:45 PM</del>	<del>210 TI</del>	
131	FORTRAN BUS & INDUS		3	201	M	<del>8:30- 8:45 PM</del>	<del>210 TI</del>	
135	PL/1 PROGRAMMING	CIS 115/CONSENT	3	201	R	<del>8:30- 8:45 PM</del>	<del>210 TI</del>	
136	BASIC FOR BUS & IND		3	201	M W	10:30-12:10 PM	211 TI	RINN J
			3	202	M	<del>8:30- 8:45 PM</del>	<del>211 TI</del>	RINN J
141	COMPUTER OPERATIONS		3	201	T R	<del>8:30- 8:45 PM</del>	<del>209 TI</del>	
170	COBOL I		4	201	T R	8:00-10:15	211 TI	JINDAL U
			4	202	T R	<del>7:00- 8:10 PM</del>	<del>211 TI</del>	
199	ON JOB TRAINING	CONSENT	1-6	201	...	TO BE ARRANGED	...	PAUP A
238	ASSEMBLER IBM PC	CIS 130	3	201	W	8:30- 8:45 PM	211 TI	RINN J
270	COBOL II		4	201	M W	8:00-10:15	211 TI	RINN J
275	C PROGRAM LANGUAGE	CIS 130 OR EQUI	3	201	W	8:30-11:45	209 TI	KRIEG L
			3	202	W	<del>8:30- 8:45 PM</del>	<del>214 TI</del>	KRIEG L
283	LARGE SYS DATA BASE		4	201	T R	<del>8:00- 8:10 PM</del>	<del>211 TI</del>	

**SUMMER**

105	MICRO COMP PROG BEG		2	301	M W	7:00- 9:10 PM	216 TI	
			2	302	T R	7:00- 9:10 PM	214 TI	
112	COMPUTER FUNCTIONS	CIS 111	3	301	M W	8:00-11:15	210 TI	PAUP A
			3	302	T R	8:00-11:15	216 TI	PAUP A
			3	303	T R	12:15- 3:30PM	210 TI	PAUP A
			3	304	M W	8:30- 8:45 PM	210 TI	
			3	305	T R	8:30- 8:45 PM	214 TI	

**COMPUTER SCIENCE (CPS) ..... Dept. 31**

**SPRING/SUMMER**

183	INTRO BASIC PROG	MTH 097	4	201	T R	11:45- 1:55 PM	342 LA	GOLDBERG D
			4	202	T R	8:00- 8:10 PM	224 TI	GOLDBERG D
186	INTRO PASCAL PROG	MTH 169	4	201	M W	2:15- 4:25 PM	342 LA	REMAN J
187	INTRO FORTRAN PROG		4	201	M W	11:45- 1:55 PM	224 TI	SHOWALTER M
			4	202	M W	<del>8:00- 8:10 PM</del>	<del>224 TI</del>	PALAY R
292	ASSEMBLER LANG PROG	183, 186, 187	4	201	T R	2:15- 4:25 PM	224 TI	PALAY R

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**CORRECTIONAL SCIENCE (COR) ..... Dept. 39**

**SPRING**

132 CORR INSTITUTIONS 3 101 M W 6:00- 9:15 PM 162 OE

**CRIMINAL JUSTICE (CJ) ..... Dept. 78**

**SPRING**

100 INTRO CRIM JUSTICE 3 101 M W F 8:30-10:40 115 SC LUDOS P  
 3 102 T R 8:00-11:15 115 SC  
 3 103 M W 8:00- 9:15 PM 115 SC  
 122 INTRO TO CORRECTION 3 101 T R 8:00- 9:15 PM 115 SC  
 189 STUDY PROBLEMS CONSENT 1-8 101 \* \* \* TO BE ARRANGED \* \* \* ALTHEA M LUDOS P  
 199 ON THE JOB TRAINING CONSENT 1-6 101 \* \* \* TO BE ARRANGED \* \* \*  
 208 CRIMINAL EVID & PRO 209 3 101 M W 8:00- 9:15 PM 109 SC  
 209 CRIMINAL LAW 3 101 T R 11:15- 2:30 PM 115 SC  
 210 INTRO CRIMINALISTIC 3 101 T R 6:00- 9:15 PM 303 LA HAUNGER J  
 223 JUVENILE JUSTICE 3 101 M W F 10:40-12:50 PM 115 SC LUDOS P  
 3 102 M W 6:00- 9:15 PM 109 SC

**SUMMER**

100 INTRO CRIM JUSTICE 3 301 M W F 9:00-11:10 115 SC  
 3 302 T R 8:00-11:15 115 SC  
 111 POLICE COM RELATION 3 301 M W F 11:10- 1:20 PM 115 SC  
 3 302 M W 6:00- 9:15 PM 115 SC  
 189 STUDY PROBLEMS CONSENT 1-8 301 \* \* \* TO BE ARRANGED \* \* \* LUDOS P  
 199 ON THE JOB TRAINING CONSENT 1-6 301 \* \* \* TO BE ARRANGED \* \* \*  
 208 CRIMINAL EVID & PRO 209 3 301 T R 11:15- 2:30 PM 109 SC  
 209 CRIMINAL LAW 3 301 T R 6:00- 9:15 PM  
 223 JUVENILE JUSTICE 3 301 M W F 1:20- 3:30 PM 115 SC LUDOS P  
 224 CRIMINAL INVEST 3 301 T R 11:10- 2:30 PM 115 SC

**CULINARY ARTS (CUL) ..... Dept. 74**

**SPRING**

100 INTRO HOSP IND MGT 3 101 M W 10:30- 1:45 PM 108 SC HAGOPIAN P  
 110 SANITATION-HYGIENE 3 101 T R 6:00- 9:15 PM 108 SC KOWALCZYK J  
 189 STUDY PROBLEMS CONSENT 1-8 101 \* \* \* TO BE ARRANGED \* \* \*  
 199 ON THE JOB TRAINING 30 HRS IN PROGR 1-6 101 \* \* \* TO BE ARRANGED \* \* \* GARRETT D  
 220 ORG-MGT FOOD SYS CUL 100 3 101 M W 6:00- 9:15 PM 211 SC GARRETT D  
 227 ADV CULINARY TECH 122 6 101 M T W R 8:00- 1:00 PM 122 SC BEATON J  
 228 LAYOUT AND EQUIP 122 4 101 M T W 1:30- 5:15 PM 211 SC GARRETT D  
 R 1:00- 3:30 PM 211 SC  
 250 ADV SERV TECH 3 101 T R 9:30-12:45 PM 122 SC HAGOPIAN P

**DANCE (DN) ..... Dept. 16**

**SPRING**

123 DANCE EXERCISE I 1 101 M W F 11:00-12:00 123 AC BOOTHE  
 1 102 T R 4:00- 5:30 PM 123 AC ZELNIK S

**SPRING-SUMMER**

101 BEG MODERN DANCE 2 201 M W 9:30-11:00 123 AC BOOTHE  
 103 TAP DANCING 1 201 M W 1:00- 1:45 PM 123 AC MANCINELLI D  
 105 BEG JAZZ DANCE 2 201 M W F 11:00-12:00 123 AC MANCINELLI D  
 106 BEGINNING JAZZ II 2 201 T R 12:00- 1:30PM 123 AC HAMP L  
 107 BEGINNING BALLET 2 201 M W F 12:00- 1:00 PM 123 AC MANCINELLI D  
 110 AFRO-AMERICAN DANCE 1 201 T R 1:30- 2:30 PM 123 AC LOYD C  
 122 BALLROOM DANCE 1 201 R 7:00- 8:30 PM 123 AC ZELNIK S  
 210 AFRO-AMER DANCE II DN 110 OR CONSE 1 201 \* \* \* TO BE ARRANGED 100 AC LOYD C  
 222 BALL ROOM DANCE II DN 122 OR CONSE 1 201 R 8:30-10:00 PM 123 AC ZELNIK S  
 224 DANCE EXERCISE III 2 201 M W 12:00- 1:00 PM 123 AC BOOTHE  
 2 202 T R 5:30- 6:30 PM 123 AC ZELNIK S

**SUMMER**

223 DANCE EXERCISE II 1 301 M W F 11:00-12:00 123 AC BOOTHE  
 1 302 T R 4:00- 5:30 PM 123 AC ZELNIK S

100 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**DENTAL ASSISTING (DA) ..... Dept. 51**

**SPRING**

Course Number	Title	Prerequisite	Cr. Number	Section Number	Days	Hours	Room	Instructor
121	ORAL DIAG PRACTICUM	20/111,114&120	1	101	***	TO BE ARRANGED ***		
200	CLINICAL PRACTICE	20 AVE	3	101	M T R F	1:00- 5:00 PM	331 LA	FINKBEINER B
201	DENTAL SPECIALTIES	20 AVE	3	101	T R	8:00- 9:00	331 LA	
					W	8:00-12:00		
212	DENTAL OFF PROC	SO 101	4	101	M	8:00-12:00	331 LA	FINKBEINER B
					W	1:00- 5:00 PM	331 LA	
215	ADV DENTAL ROENTG	20 IN DA 125	2	101	T	8:00- 3:30 PM	331 LA	
					R	8:00- 3:30 PM	331 LA	

**SPRING-SUMMER**

202	ADV CLINICAL PRAC	20 AVE	3	201	***	TO BE ARRANGED ***		
			3	202	***	TO BE ARRANGED ***		
			3	203	***	TO BE ARRANGED ***		

**SUMMER**

121	ORAL DIAG PRACTICUM	20/111,114&120	1	301	***	TO BE ARRANGED ***		
200	CLINICAL PRACTICE	20 AVE	3	301	M T R F	1:00- 5 00 PM	331 LA	NEVERS W
215	ADV DENTAL ROENTG	20 IN DA 125	2	301	T	8:00- 3:30 PM	331 LA	
					R	8:00- 3:30 PM	331 LA	

**ECONOMICS (EC) ..... Dept. 02**

**SPRING**

211	PRINCIPLES OF ECON		3	101	M T W R F	9:15-10:30	102 SC	VASS S
			3	102	M W	6:15- 9:30 PM	102 SC	HOLMES G
			3	103	T R	6:15- 9:30 PM	210 SC	HOLMES G
222	PRINCIPLES OF ECON	EC 211	3	101	M T W R F	10:30-11:45	102 SC	VASS S
			3	102	T R	6:15- 9:30 PM	102 SC	VASS S

**SPRING-SUMMER**

211	PRINCIPLES OF ECON		3	250	***	TO BE ARRANGED ***		BELLERS C
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NOTE: Section 250 is a TV course using the program series "The Money Puzzle."

**SUMMER**

211	PRINCIPLES OF ECON		3	301	M W	6:15- 9:30 PM	102 SC	VASS S
			3	302	T R	9:15-12:30 PM	102 SC	VASS S
222	PRINCIPLES OF ECON	EC 211	3	301	T R	6:15- 9:30 PM	102 SC	VASS S

**ELECTRICITY/ELECTRONICS (EE) ..... Dept. 65**

**SPRING**

101	SERVICING TECHNIQUE	123 OR 123A	4	101	M T W R F	12:00- 2:35 PM	129 LA	RUSSELL D
105	INTRO TELECOMM		3	101	M W F	12:00- 2:15 PM	209 SC	CLEARY W
137	SWITCHING LOGIC		3	101	M T W R F	11:00-12:45 PM	207 SC	
189	STUDY PROBLEMS	CONSENT	1-8	101	***	TO BE ARRANGED ***		
199	ON THE JOB TRAINING	CONSENT	1-6	101	***	TO BE ARRANGED ***		
215	DIGITAL COMMUNIC I	COREQ EE 105	3	101	M T W R	7:00- 9:50 PM	209 SC	
221	COMPUTER PERIPHERAL	139	3	101	M W F	8:00-11:00	140 LA	MULLINS P
224A	PROG CONTROLLERS A	EE 123	3	101	T R	9:00- 1:20 PM	127 OE	
224B	PROG CONTROLLERS B	EE 123	3	101	T R	6:00-10:20 PM	127 OE	KRAMER L
240	CAREER PRACT SEM		2	101	M W	12:00- 2:10 PM	213 SC	
241	DIGITAL ELECT II	COREQ 222	4	101	M T W R	12:00- 3:15 PM	101 LA	
299	CUSTOMER RELATIONS		1	101	W	12:00- 3:10 PM	140 LA	

**SPRING/SUMMER**

123	FUND OF ELECTRICITY		8	201	M W F	8:00-11:15	121 LA	RUSSELL D
123A	FUND OF ELEC A		5	201	M W	8:00-10:40	207 SC	WEYANT D
			5	202	M W	7:00- 9:40 PM	101 LA	

100 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 28 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**ELECTRICITY/ELECTRONICS (EE)**

**Dept. 65 (Cont.)**

**SPRING-SUMMER (Cont.)**

123B	FUND OF ELEC B	123A	5	201	M W	8:00-10:40	213 SC	KRAMER L
			5	202	M W	7:00- 8:45 PM	213 SC	
137	SWITCHING LOGIC		3	201	T R	8:00-10:10	207 SC	KRAMER L
			3	202	M W	5:00- 7:10 PM	207 SC	WHEELER K
			3	203	T R	7:00- 9:10 PM	207 SC	MULLINS P
139	COMPUTER SYS FUND		4	201	T R	11:00- 1:10 PM	140 LA	MULLINS P
					T	1:10- 3:20 PM	140 LA	
			4	202	T R	11:00- 1:10 PM	140 LA	
					R	1:10- 3:20 PM	140 LA	
			4	203	M W	6:00- 8:10 PM	140 LA	
					M	8:10-10:20 PM	140 LA	
			4	204	M W	8:00- 8:10 PM	140 LA	
					W	8:10-10:20 PM	140 LA	
189	STUDY PROBLEMS	CONSENT	1-8	201	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-6	201	...	TO BE ARRANGED	...	
204	NATL ELECTRIC CODE	EE 123	2	201	T R	5:00- 7:10 PM	213 SC	
205	BASIC TELEPHONY	EE 105	4	201	M W	7:00- 8:15 PM	101 LA	
211	BASIC ELECTRONICS	111, MTH 151	4	201	M W	8:00-11:15	101 LA	WHEELER K
			4	202	T R	7:00- 8:15 PM	101 LA	
222	DIGITAL ELECT I	122 137 211	4	201	T R	12:00- 3:15 PM	103 LA	WEYANT D
230	COMPUTER SYSTEMS II	139 211	4	201	T R	8:00-10:10	121 LA	DOWNEN G
					T	10:10-12:20 PM	132 LA	
			4	202	T R	8:00-10:10	121 LA	DOWNEN G
					R	10:10-12:20 PM	132 LA	
			4	203	M W	6:00- 8:10 PM	132 LA	
					M	8:10-10:20 PM	132 LA	
			4	204	M W	8:00- 8:10 PM	132 LA	
					W	8:10-10:20 PM	132 LA	
234	VAX VMS HARDWARE	COREQ EE235	3	201	S	9:00- 1:30 PM	121 LA	
235	COMPUTER SYST III	230 241	4	201	T R	8:00- 8:10 PM	140 LA	SIXTON
					T	8:10-10:20 PM	132 LA	
			4	202	T R	6:00- 8:10 PM	140 LA	SIXTON
					R	8:10-10:20 PM	132 LA	
238	ELECT ANALOG CIRC	*22 211	4	201	M W	7:00-10:15 PM	103 LA	CLEARY W
241	DIGITAL ELECT II	COREQ 222	4	201	M W	8:00-11:15	103 LA	CLEARY W
250	MICROPROCESSORS	*37, 139, 211	4	201	T R	8:00-11:15	103 LA	WEYANT D
			4	202	T R	7:00-10:15 PM	103 LA	

**SUMMER**

105	INTRO TELECOMM		3	301	T R	7:00-10:15 PM	209 SC	
189	STUDY PROBLEMS	CONSENT	1-8	301	...	TO BE ARRANGED	...	
199	ON THE JOB TRAINING	CONSENT	1-6	301	...	TO BE ARRANGED	...	
215	DIGITAL COMMUNIC I	COREQ EE 105	3	301	M T W R	7:00- 9:50 PM	209 SC	

**ENGLISH/Writing (ENG)**

**Dept. 24**

**SPRING**

000	WRITING LAB		0	101	M W	8:00- 9:15	315 SC	
			0	102	M W	9:15-10:30	315 SC	
			0	103	M W	10:30-11:45	315 SC	
			0	104	M W	11:45- 1:00 PM	315 SC	
			0	105	M W	1:00- 2:15 PM	315 SC	
			0	106	M W	2:15- 3:30 PM	315 SC	
			0	107	M W	4:00- 5:15 PM	315 SC	
			0	108	M W	5:15- 6:30 PM	315 SC	
			0	109	M W	6:30- 7:45 PM	315 SC	
			0	110	T R	8:00- 9:15	315 SC	
			0	111	T R	9:15-10:30	315 SC	
			0	112	T R	10:30-11:45	315 SC	
			0	113	T R	11:45- 1:00 PM	315 SC	
			0	114	T R	1:00- 2:15 PM	315 SC	
			0	115	T R	2:15- 3:30 PM	315 SC	
			0	116	T R	4:00- 5:15 PM	315 SC	
			0	117	T R	5:15- 6:30 PM	315 SC	
			0	118	T R	6:30- 7:45 PM	315 SC	
			0	119	F	8:00- 9:15	315 SC	

100 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

ENGLISH/Writing (ENG) ..... Dept. 24 (Cont.)

SPRING (Cont.)

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
			0	120	F	9:15-10:30	315 SC	
			0	121	F	10:30-11:45	315 SC	
			0	122	F	11:45- 1:00 PM	315 SC	
			0	123	F	1:00- 2:15 PM	315 SC	
010	WRITING PRACTICUM		1	101	M W	8:00- 9:15	315 SC	WEIDNER H
			1	102	M W	9:15-10:30	315 SC	WILLIAMS T
			1	103	M W	10:30-11:45	315 SC	WEIDNER H
			1	104	M W	11:45- 1:00 PM	315 SC	CROAKE E
			1	105	M W	1:00- 2:15 PM	315 SC	CROAKE E
			1	106	M W	2:15- 3:30 PM	315 SC	HATCHER R
			1	107	M W	4:00- 5:15 PM	315 SC	
			1	108	M W	5:15- 6:30 PM	315 SC	
			1	109	M W	6:30- 7:45 PM	315 SC	HATCHER R
			1	110	T R	8:00- 9:15	315 SC	WEIDNER H
			1	111	T R	9:15-10:30	315 SC	ERICKSON L
			1	112	T R	10:30-11:45	315 SC	MITCHELL B
			1	113	T R	11:45- 1:00 PM	315 SC	CROAKE E
			1	114	T R	1:00- 2:15 PM	315 SC	WEIDNER H
			1	115	T R	2:15- 3:30 PM	315 SC	MINOCK D
			1	116	T R	4:00- 5:15 PM	315 SC	
			1	117	T R	5:15- 6:30 PM	315 SC	HUNT B
			1	118	T R	6:30- 7:45 PM	315 SC	
			1	119	F	8:00- 9:15	315 SC	WEIDNER H
			1	120	F	9:15-10:30	315 SC	WILLIAMS T
			1	121	F	10:30-11:45	315 SC	WEIDNER H
			1	122	F	11:45- 1:00 PM	315 SC	
			1	123	F	1:00- 2:15 PM	315 SC	
015	TEXT EDITING		1	101	M W	8:00- 9:15	315 SC	FRITTS R
			1	102	M W	9:15-10:30	315 SC	ERICKSON L
			1	103	M W	10:30-11:45	315 SC	WEIDNER H
			1	104	M W	11:45- 1:00 PM	315 SC	CROAKE E
			1	105	M W	1:00- 2:15 PM	315 SC	CROAKE E
			1	106	M W	2:15- 3:30 PM	315 SC	HATCHER R
			1	107	M W	4:00- 5:15 PM	315 SC	ERICKSON L
			1	108	M W	5:15- 6:30 PM	315 SC	ERICKSON L
			1	109	M W	6:30- 7:45 PM	315 SC	ERICKSON L
			1	110	T R	8:00- 9:15	315 SC	FRITTS R
			1	111	T R	9:15-10:30	315 SC	ERICKSON L
			1	112	T R	10:30-11:45	315 SC	MITCHELL B
			1	113	T R	11:45- 1:00 PM	315 SC	CROAKE E
			1	114	T R	1:00- 2:15 PM	315 SC	CROAKE E
			1	115	T R	2:15- 3:30 PM	315 SC	MINOCK D
			1	116	T R	4:00- 5:15 PM	315 SC	ERICKSON L
			1	117	T R	5:15- 6:30 PM	315 SC	HUNT B
			1	118	T R	6:30- 7:45 PM	315 SC	
			1	119	F	8:00- 9:15	315 SC	WEIDNER H
			1	120	F	9:15-10:30	315 SC	WILLIAMS T
			1	122	F	11:45- 1:00 PM	315 SC	
			1	123	F	1:00- 2:15 PM	315 SC	
030	ENG FOREIGN BORN I		2	101	M W F	1:00- 3:05 PM	306 SC	
			2	102	M W	6:00- 9:10 PM	306 SC	
031	ENG FOREIGN BORN II		2	101	M W F	1:00- 3:05 PM	306 SC	
			2	102	M W	6:00- 9:10 PM	306 SC	
050	BASIC WRITING	COREQ: ENG 000	4	101	M T W R F	9:15-10:30	306 SC	
091	WRITING FUND	COREQ: ENG 000	4	101	M T W R F	8:00- 9:15	310 SC	WILLIAMS T
			4	102	T R	6:45- 9:55 PM	208 SC	WILLIAMS T
100	COMMUNICATION SKILLS	COREQ: ENG 000	4	101	M T W R F	9:15-10:30	310 SC	WEIDNER H
			4	102	M T W R	11:45- 1:20 PM	211 SC	MINOCK D
			4	103	M W	6:45- 9:55 PM	310 SC	
			4	104	T R	6:45- 9:55 PM	306 SC	
102	TERM PAPER		1	101	...	TO BE ARRANGED	315 SC	SALERNO D
			1	102	...	TO BE ARRANGED	315 SC	SALERNO D
111	COMPOSITION I	COREQ: ENG 000	4	101	M T W R F	8:00- 9:15	308 SC	MITCHELL B
			4	102	M T W R F	9:15-10:30	308 SC	
			4	103	M T W R F	10:30-11:45	308 SC	
			4	104	M T W R F	11:45- 1:00 PM	308 SC	MITCHELL B
			4	105	M W	6:45- 9:55 PM	308 SC	SALERNO D
			4	106	T R	6:45- 9:55 PM	308 SC	HUNT B

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**ENGLISH/Writing (ENG) (Cont.)**

**SPRING (Cont.)**

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
122	COMPOSITION II	ENG 111	3	101	M T W R	9:15-10:50	211 SC	MINOCK D
			3	102	T R	5:30- 8:45 PM	310 SC	
160	INTRODUCTION TO LIT		3	101	M W F	9:15-11:20	208 SC	HATCHER R
			3	102	M T R	1:00- 3:05 PM	313 SC	ERICKSON L
			3	103	T R	5:30- 8:45 PM	313 SC	SALERNO D
170	INTRODUCTION TO LIT		3	101	M T W R F	10:30-11:45	310 SC	CROAKE E
			3	102	M T W R F	11:45- 1:00 PM	310 SC	WEIDNER H
			3	103	M W	5:45- 9:00 PM	313 SC	HUNT B
181	BLACK LIT		3	101	M T W R F	8:00- 9:15	313 SC	HATCHER R
189	STUDY PROBLEMS	CONSENT	1-8	101	***	TO BE ARRANGED	***	
222	AMERICAN LITERATURE		3	101	M T W R F	8:00- 9:15	313 SC	HATCHER R
224	WORLD LITERATURE		3	101	M T W R F	9:15-10:30	313 SC	MITCHELL B
270	CREATIVE WRITING		3	101	M T R	10:30-12:35 PM	313 SC	ERICKSON L
271	CREATIVE WRITING II	ENG 270	3	101	M T R	10:30-12:35 PM	313 SC	ERICKSON L

**SPRING-SUMMER**

000	WRITING LAB		0	201	T	9:00-10:00	315 SC	
			0	202	R	11:00-12:00	315 SC	
010	WRITING PRACTICUM		1	201	T	9:00-10:00	315 SC	
			1	202	R	11:00-12:00	315 SC	HATCHER R
015	TEXT EDITING		1	201	T	9:00-10:00	315 SC	
			1	202	R	11:00-12:00	315 SC	HATCHER R
091	WRITING FUND	COREQ ENG000	4	201	T R	9:30-11:00	208 SC	HATCHER R
102	TERM PAPER		1	201	***	TO BE ARRANGED	***	SALERNO D
			1	202	***	TO BE ARRANGED	***	SALERNO D
111	COMPOSITION I	COREQ. ENG 000	4	201	T R	11:00-12:30 PM	306 SC	
122	COMPOSITION II	ENG 111	3	201	R	6:00- 8:45 PM	211 SC	

**SUMMER**

000	WRITING LAB		0	301	M W	8:00- 9:15	315 SC	
			0	302	M W	9:15-10:30	315 SC	
			0	303	M W	10:30-11:45	315 SC	
			0	304	M W	11:45-1:00 PM	315 SC	
			0	305	M W	1:00-2:15 PM	315 SC	
			0	306	M W	4:00-5:15 PM	315 SC	
			0	307	M W	5:15-6:30 PM	315 SC	
			0	308	M W	6:30-7:45 PM	315 SC	
			0	309	T R	8:00-9:15	315 SC	
			0	310	T R	9:15-10:30	315 SC	
			0	311	T R	10:30-11:45	315 SC	
			0	312	T R	11:45-1:00 PM	315 SC	
			0	313	T R	1:00-2:15 PM	315 SC	
			0	314	T R	4:00-5:15 PM	315 SC	
			0	315	T R	5:15-6:30 PM	315 SC	
			0	316	T R	6:30-7:45 PM	315 SC	
			0	317	F	8:00-9:15	315 SC	
			0	318	F	9:15-10:30	315 SC	
			0	319	F	10:30-11:45	315 SC	
			0	320	F	11:45-1:00 PM	315 SC	
010	WRITING PRACTICUM		0	321	F	1:00- 2:15 PM	315 SC	
			1	301	M W	8:00- 9:15	315 SC	GAUGHAN J
			1	302	M W	9:15-10:30	315 SC	WEIDNER H
			1	303	M W	10:30-11:45	315 SC	SALERNO D
			1	304	M W	11:45- 1:00 PM	315 SC	SALERNO D
			1	305	M W	1:00- 2:15 PM	315 SC	WEIDNER H
			1	306	M W	4:00- 5:15 PM	315 SC	
			1	307	M W	5:15- 6:30 PM	315 SC	MITCHELL B
			1	308	M W	6:30- 7:45 PM	315 SC	
			1	309	T R	8:00- 9:15	315 SC	GAUGHAN J
			1	310	T R	9:15-10:30	315 SC	WEIDNER H
			1	311	T R	10:30-11:45	315 SC	SALERNO D
			1	312	T R	11:45- 1:00 PM	315 SC	
			1	313	T R	1:00- 2:15 PM	315 SC	WEIDNER H
			1	314	T R	4:00- 5:15 PM	315 SC	
			1	315	T R	5:15- 6:30 PM	315 SC	
			1	316	T R	6:30- 7:45 PM	315 SC	

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
<b>ENGLISH/WRITING (ENG) ..... Dept. 24 (Cont.)</b>								
<b>SUMMER (Cont.)</b>								
				1 317	F	8:00- 9:15	315 SC	
				1 318	F	9:15-10:30	315 SC	
				1 320	F	11:45- 1:00 PM	315 SC	
				1 321	F	1:00- 2:15 PM	315 SC	
050	BASIC WRITING	COREQ: ENG 000	4	301	T R	<del>8:45- 9:50 PM</del>	<del>308 SC</del>	
091	WRITING FUND	COREQ: ENG 000	4	301	M T W R F	10:30-11:45	310 SC	
100	COMMUNICATION SKILLS	COREQ: ENG 000	4	301	M T W R	9:15-10:50	210 SC	GAUGHAN J
			4	302	M W	<del>8:45- 9:55 PM</del>	<del>308 SC</del>	
102	TERM PAPER		1	301	...	TO BE ARRANGED	315 SC	SALERNO D
			1	302	...	TO BE ARRANGED	315 SC	SALERNO D
111	COMPOSITION I	COREQ: ENG 000	4	301	M T W R F	9:15-10:30	313 SC	SALERNO D
			4	302	M T W R	11:00-12:30 PM	210 SC	GAUGHAN J
			4	303	M W	<del>8:45- 9:55 PM</del>	<del>310 SC</del>	<del>MITCHELL B</del>
			4	304	T R	<del>8:45- 9:55 PM</del>	<del>310 SC</del>	<del>MITCHELL B</del>
122	COMPOSITION II	ENG 111	3	301	M T W R F	8:00- 9:15	313 SC	MITCHELL B
160	INTRODUCTION TO LIT		3	301	M W	<del>5:30- 8:45 PM</del>	<del>313 SC</del>	
170	INTRODUCTION TO LIT		3	301	M T W R F	10:30-11:45	313 SC	WEIDNER H
			3	302	T R	<del>5:30- 8:45 PM</del>	<del>313 SC</del>	
270	CREATIVE WRITING		3	301	M T W R F	11:45- 1:00 PM	313 SC	WEIDNER H
271	CREATIVE WRITING II		3	301	M T W R F	11:45- 1:00 PM	313 SC	WEIDNER H

**EMERGENCY MEDICAL (EMT) ..... Dept. 55**

**SPRING**

189	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	DUNHAM C
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**FIRE PROTECTION (FP) ..... Dept. 79**

**SPRING**

100	INTRO TO FIRE PROT		3	101	M W	8:00- 9:15 PM	116 SC	
103	FLAMMABLE MATERIALS		3	101	T R	8:00- 9:15 PM	100 SC	
189	STUDY PROBLEMS		1-8	101	...	TO BE ARRANGED	...	

**FLUID POWER (FLP) ..... Dept. 67**

**SPRING**

111	FLUID POWER FUND		4	101	T R	9:00- 2:15 PM	116 TI	SCHULTZ G
189	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	AGIN G
226	PNEUMATICS		3	101	M W	9:00- 1:15 PM	116 TI	AGIN G

**FRENCH (FRN) ..... Dept. 18**

**SPRING**

120	BEG CONV FRENCH		2	101	M W	9:15-11:30	311 SC	RADICK L
189	STUDY PROBLEMS		2	101	...	TO BE ARRANGED	...	RADICK L

**GENERAL STUDIES (GS) ..... Dept. 15**

**SPRING**

120	CONVER RUSSIAN		2	101	M W	1:00- 3:15 PM	311 SC	RADICK L
189	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	RADICK L

**GEOLOGY (GLG) ..... Dept. 34**

**SPRING**

100	INTRO TO EARTH SCI		4	101	M W	9:15-11:35	201 LA	THOMAS D
					T R	9:15-12:15 PM	201 LA	
104	WEATHER		3	101	M W	12:15- 3:30 PM	201 LA	THOMAS D

100 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 2  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**Course Number Title Prerequisite Cr. Number Section Number Days Hours Room Instructor**  
**GEOLOGY (GLG) ..... Dept. 34 (Cont.)**

**SUMMER**

103 FIELD GEOLOGY 3 301 M W 9:15-12:30 PM 201 LA THOMAS D

**GRAPHIC DESIGN TECHNOLOGY (GDT) ..... Dept. 77**

**SPRING-SUMMER**

100 TYPOGRAPHY I MTH 151 OR EQUI 4 201 M W 9:00-12:00 108 OE MARTIN J  
 101 DESIGN SURVEY 2 201 W 10:15-12:15 PM 110 OE GUASTELLA D  
 112 GRAPHIC COMMUNICAT 4 201 T R 9:00-12:00 108 OE GUASTELLA D  
 4 202 M W 8:00- 9:00 PM 108 OE MARTIN J  
 113 PRIN OF PRODUCTION 4 201 M W 1:00- 4:00 PM 108 OE MARTIN J  
 114 PUBLICATION LAYOUT GDT112,113 4 201 T R 12:30- 3:30 PM 108 OE  
 236 SPECIALIZED STUDY 2 201 W 1:00- 3:00 PM 124 OE GUASTELLA D  
 2 202 M W 9:00-10:00 108 OE MARTIN J

**HEALTH SCIENCE (HS) ..... Dept. 56**

**SPRING**

113 INTRO MED SCIENCE 2 101 T R 1:00- 3:10 PM 168 OE MARTIN L  
 115 MED OFFICE LAB PROC 3 101 M W 5:30- 9:00 PM 168 OE  
 244 MEDICAL ETHICS NUR STUD/CONS 2 101 M W 3:00- 5:20 PM 170 OE VANDERVEEN J

**SPRING-SUMMER**

039 A & P REVIEW FOR PAT COREQ HS 220 1 201 \* \* \* TO BE ARRANGED \* \* \*  
 147 GROWTH AND DEVELOPME NUR STUD/CONS 3 201 M 5:45- 9:00 PM 167 OE  
 189 STUDY PROBLEMS NUR STUD/CONS 1-8 201 \* \* \* TO BE ARRANGED \* \* \*  
 220 PATHOPHYSIOLOGY NUR STUD/CONS 4 201 T R 7:00- 9:15 PM 170 OE PIETROCKI R

**HEATING (HTG) ..... Dept. 81**

**SPRING**

109 BOILER EXAM REVIEW 3 101 MT 6:00- 9:30 PM ANNEX TL KOWALSKI D

**HISTORY (HST) ..... Dept. 04**

**SPRING**

101 WESTERN CIV TO 1600 3 101 M T W R F 9:15-10:30 206 SC REPS F  
 3 102 M W 6:15- 9:30 PM 206 SC  
 201 U S 1500 TO 1865 3 101 M T W R F 11:45- 1:00 PM 206 SC REPS F

**SUMMER**

101 WESTERN CIV TO 1600 3 301 M T W R F 10:30-11:45 206 SC MICKELSON J  
 102 WEST CIV SINCE 1600 3 301 T R 6:15- 9:30 PM 210 SC MICKELSON J  
 160 AMERICAN FILM\* 3 301 M W 6:30- 9:45 PM CT LA SUSNICK S

**NOTE: Meets with Humanities 160**

202 U S 1865 TO PRESENT 3 301 M T W R F 9:15-10:30 206 SC MICKELSON J

**HOTEL MOTEL MANAGEMENT (HMT) ..... Dept. 75**

**SPRING**

223 PRACT LODG & MGT 30 HRS IN PROGR 3 101 \* \* \* TO BE ARRANGED \* \* \* HAGOPIAN P

**HUMANITIES (HUM) ..... Dept. 22**

**SPRING**

101 INTRO TO HUMANITIES 3 101 M T W R F 10:30-11:45 205 SC THOMAS E

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**HUMANITIES (HUM) ..... Dept. 22 (Cont.)**

**SUMMER**

101	INTRO TO HUMANITIES		3	301	M W F	9:15-11:20	242 LA	THOMAS F
160	AMERICAN FILM*		3	301	M W	6:30- 9:45 PM	CT LA	SUSNICK S

**NOTE: Meets with History 160**

**INDUSTRIAL DRAFTING (ID) ..... Dept. 63**

**SPRING**

112	DESCRIPTIVE GEOM	100 OR CONSENT	4	101	M W	9:15- 3:45 PM	130 OE	FORD A
114	INDUSTRIAL DRAFTING	111	4	101	T R	9:15- 3:45 PM	128 OE	PACKARD R
189	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	FORD A
199	ON THE JOB TRAINING	CONSENT	1-6	101	...	TO BE ARRANGED	...	FORD A
212	THEORY OF DIES	T&D APPR	2	101	M W	6:00- 9:15 PM	107 TI	
216	INTRO CAD	100 OR CONSENT	2	101	M W	6:00- 9:15 PM	164 OE	FORD A
221	CADAPPLICATION-MECH*	ID 219	4	101	T R	6:00- 9:15 PM	164 OE	STAGER A
230	PRODUCT DRAFTING	ID 107, 111	4	101	T R	9:15- 3:45 PM	128 OE	PACKARD R

\* Lab to be arranged

**SPRING-SUMMER**

100	TECHNICAL DRAWING		4	201	T R	9:15-12:30 PM	130 OE	HENTZ G
			4	202	T R	6:00- 9:15 PM	130 OE	STAGER A
112	DESCRIPTIVE GEOM	100 OR CONSENT	4	201	T R	6:00- 9:15 PM	128 OE	HENTZ G
216	INTRO CAD	100 OR CONSENT	2	201	R	6:00- 9:15 PM	164 OE	
217	INTRO TO 3D CAD	ID 216, 112	2	201	T	6:00-10:15 PM	167 OE	STAGER A
218	INTERACTIVE CAD		2	201	...	TO BE ARRANGED	...	HENTZ G

**SUMMER**

217	INTRO TO 3D CAD	ID 216, 112	2	301	M W	6:00-10:15 PM	164 OE	
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**INTEGRATED MANUFACTURING (IM) ..... Dept. 36**

**SPRING**

189	STUDY PROBLEMS	CONSENT	1-8	101	...	TO BE ARRANGED	...	
199	ON JOB TRAINING	CONSENT	2-6	101	...	TO BE ARRANGED	...	
212	ROBOTICS II	IM 121	4	101	T R	9:00- 2:15 PM	126 TI	AGIN G
			4	102	MTW	5:30- 9:00 PM	107 TI	SCHULTZ G

**INTERN EXTERN (IE) ..... Dept. 44**

**SPRING**

200	INTERN EXTERN	CONSENT	2-6	101	T	4:00- 5:00 PM	236 LA	BELLERS C
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**SUMMER**

200	INTERN EXTERN	CONSENT	2-6	301	T	4:00- 5:00 PM	236 LA	BELLERS C
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**MANAGEMENT & MARKETING (MGT) ..... Dept. 47**

**SPRING**

150	MGT RELATIONS		3	101	M W	7:00-10:15 PM	106 SC	MCNALLY R
160	PRIN OF SALES	BUS 140	3	101	M W	7:00-10:15 PM	103 SC	
200	HUMAN REL IN BUS	BUS 140	3	101	T R	6:30- 9:45 PM	103 SC	
230	SUPERVISORY MGT		3	101	M W	1:00- 4:15 PM	236 LA	ARNOLD G
			3	102	T R	6:00- 9:15 PM	236 LA	ARNOLD G
250	PRIN OF MARKETING		3	101	M W	3:30- 6:45 PM	106 SC	ROSS F

**SPRING-SUMMER**

208	PRIN OF MANAGEMENT		3	250	...	TO BE ARRANGED	...	
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**NOTE: Section 250 is a TV course using the program series "The Business of Management."**

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
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**MATHEMATICS (MTH) ..... Dept. 30**

**SPRING**

036	MATH ANXIETY		1	101	M	3:00- 7:40 PM	342 LA	HASTINGS J
039	BASIC MATHEMATICS		3	101	M T R	9:15-11:25	320 LA	MEALING R
			3	102	M T R	9:15-11:25	323 LA	REMEN J
			3	103	W F	9:15-12:30 PM	320 LA	MEALING P
			3	104	W F	9:15-12:30 PM	320 LA	GOLDBERG D
			3	105	M T R	11:45- 1:55 PM	320 LA	LEWIS W
			3	106	M T R	11:45- 1:55 PM	320 LA	BILA D
			3	107	M T R	2:15- 4:25 PM	323 LA	HASTINGS J
			3	108	M W	5:30- 8:45 PM	323 LA	SHOWALTER M
			3	109	M W	5:30- 8:45 PM	320 LA	LEE A
			3	110	T R	5:30- 8:45 PM	320 LA	MEALING R
			3	111	T R	5:30- 8:45 PM	320 LA	MEALING P
			3	155	M W	6:00- 9:15 PM	CHELSEA	MCGILL J
			3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
			3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
			3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
			3	194	M W	6:00- 9:15 PM	SALINE	SMITH G

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

090	OCCUPATIONAL MATH	MTH 039	3	101	M T R	9:15-11:25	320 LA	MEALING R
			3	102	M T R	9:15-11:25	323 LA	REMEN J
			3	103	W F	9:15-12:30 PM	320 LA	MEALING P
			3	104	W F	9:15-12:30 PM	320 LA	GOLDBERG D
			3	105	M T R	11:45- 1:55 PM	320 LA	LEWIS W
			3	106	M T R	11:45- 1:55 PM	320 LA	BILA D
			3	107	M T R	2:15- 4:25 PM	323 LA	HASTINGS J
			3	108	M W	5:30- 8:45 PM	323 LA	SHOWALTER M
			3	109	M W	5:30- 8:45 PM	320 LA	LEE A
			3	110	T R	5:30- 8:45 PM	320 LA	MEALING R
			3	111	T R	5:30- 8:45 PM	320 LA	MEALING P
			3	155	M W	6:00- 9:15 PM	CHELSEA	MCGILL J
			3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
			3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
			3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
			3	194	M W	6:00- 9:15 PM	SALINE	SMITH G

**NOTE: Individualized instruction for all sections of Math 039, 090, 0097A, 097B, 163, 165, 169A, 169B, 177**

097A	INTRO ALGEBRA	MTH 039	3	101	M T R	9:15-11:25	320 LA	MEALING R
			3	102	M T R	9:15-11:25	323 LA	REMEN J
			3	103	W F	9:15-12:30 PM	320 LA	MEALING P
			3	104	W F	9:15-12:30 PM	320 LA	GOLDBERG D
			3	105	M T R	11:45- 1:55 PM	320 LA	LEWIS W
			3	106	M T R	11:45- 1:55 PM	320 LA	BILA D
			3	107	M T R	2:15- 4:25 PM	323 LA	HASTINGS J
			3	108	M W	5:30- 8:45 PM	323 LA	SHOWALTER M
			3	109	M W	5:30- 8:45 PM	320 LA	LEE A
			3	110	T R	5:30- 8:45 PM	320 LA	MEALING R
			3	111	T R	5:30- 8:45 PM	320 LA	MEALING P
			3	155	M W	6:00- 9:15 PM	CHELSEA	MCGILL J
			3	162	T R	6:00- 9:15 PM	DEXTER	BATELL M
			3	181	T R	6:00- 9:15 PM	YPSILANTI	THOMSON B
			3	189	M W	6:00- 9:15 PM	BRIGHTON	STEELE A
			3	194	M W	6:00- 9:15 PM	SALINE	SMITH G

**NOTE: Individualized instruction for all sections of Math 039, 090, 0097A, 097B, 163, 165, 169A, 169B, 177**

097B	INTRO ALGEBRA	MTH 097A	3	101	M T R	9:15-11:25	320 LA	MEALING R
			3	102	M T R	9:15-11:25	323 LA	REMEN J
			3	103	W F	9:15-12:30 PM	320 LA	MEALING P
			3	104	W F	9:15-12:30 PM	320 LA	GOLDBERG D
			3	105	M T R	11:45- 1:55 PM	320 LA	LEWIS W
			3	106	M T R	11:45- 1:55 PM	320 LA	BILA D
			3	107	M T R	2:15- 4:25 PM	323 LA	HASTINGS J
			3	108	M W	5:30- 8:45 PM	323 LA	SHOWALTER M
			3	109	M W	5:30- 8:45 PM	320 LA	LEE A
			3	110	T R	5:30- 8:45 PM	320 LA	MEALING R
			3	111	T R	5:30- 8:45 PM	320 LA	MEALING P

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
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**MATHEMATICS (MTH) ..... Dept. 30 (Cont.)**

**SPRING (Cont.)**

3	155	M W	6:00- 8:15 PM	CHELSEA	MCGILL J
3	162	T R	6:00- 8:15 PM	DEXTER	BATELL M
3	181	T R	6:00- 8:15 PM	YPSILANTI	THOMSON B
3	189	M W	6:00- 8:15 PM	BRIGHTON	STEELE A
3	194	M W	6:00- 8:15 PM	SALINE	SMITH G

**NOTE: Individualized instruction for all sections of Math 039, 090, 0097A, 097B, 163, 165, 169A, 169B, 177**

163	BUSINESS MATH	MTH 039	3	101	M T R	9:15-11:25	320 LA	BOTTORFF R
			3	102	M T R	9:15-11:25	323 LA	HASTINGS J
			3	103	W F	9:15-12:30 PM	323 LA	PRICHARD L
			3	104	M T R	11:45- 1:55 PM	323 LA	HASTINGS J
			3	105	M W	5:30- 8:45 PM	320 LA	WIRBEL J
			3	106	T R	5:30- 8:45 PM	320 LA	PRICHARD L
			3	155	M W	6:00- 8:15 PM	CHELSEA	MCGILL J
			3	162	T R	6:00- 8:15 PM	DEXTER	BATELL M
			3	181	T R	6:00- 8:15 PM	YPSILANTI	THOMSON B
			3	189	M W	6:00- 8:15 PM	BRIGHTON	STEELE A
3	194	M W	6:00- 8:15 PM	SALINE	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	101	M T R	9:15-11:25	320 LA	BOTTORFF R
			3	102	M T R	9:15-11:25	323 LA	HASTINGS J
			3	103	W F	9:15-12:30 PM	323 LA	PRICHARD L
			3	104	M T R	11:45- 1:55 PM	323 LA	HASTINGS J
			3	105	M W	5:30- 8:45 PM	320 LA	WIRBEL J
			3	106	T R	5:30- 8:45 PM	320 LA	PRICHARD L

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

169A	INTERMEDIATE ALG	MTH 097	3	101	M T R	9:15-11:25	320 LA	BILA D
			3	102	M T R	9:15-11:25	320 LA	SHOWALTER M
			3	103	W F	9:15-12:30 PM	320 LA	BOTTORFF R
			3	104	M T R	11:45- 1:55 PM	323 LA	REMEN J
			3	105	M W	5:30- 8:45 PM	323 LA	LEWIS W
			3	106	T R	5:30- 8:45 PM	323 LA	LEE A
			3	155	M W	6:00- 8:15 PM	CHELSEA	MCGILL J
			3	162	T R	6:00- 8:15 PM	DEXTER	BATELL M
			3	181	T R	6:00- 8:15 PM	YPSILANTI	THOMSON B
			3	189	M W	6:00- 8:15 PM	BRIGHTON	STEELE A
3	194	M W	6:00- 8:15 PM	SALINE	SMITH G			

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

169B	INTERMEDIATE ALG	MTH 169A	3	101	M T R	9:15-11:25	320 LA	BILA D
			3	102	M T R	9:15-11:25	320 LA	SHOWALTER M
			3	103	W F	9:15-12:30 PM	320 LA	BOTTORFF R
			3	104	M T R	11:45- 1:55 PM	323 LA	REMEN J
			3	105	M W	5:30- 8:45 PM	323 LA	LEWIS W
			3	106	T R	5:30- 8:45 PM	323 LA	LEE A
			3	155	M W	6:00- 8:15 PM	CHELSEA	MCGILL J
			3	162	T R	6:00- 8:15 PM	DEXTER	BATELL M
			3	181	T R	6:00- 8:15 PM	YPSILANTI	THOMSON B
			3	189	M W	6:00- 8:15 PM	BRIGHTON	STEELE A
3	194	M W	6:00- 8:15 PM	SALINE	SMITH G			

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

177	TRIANGLE TRIG	MTH 097	3	101	M T R	9:15-11:25	320 LA	BILA D
			3	102	M T R	9:15-11:25	320 LA	SHOWALTER M
			3	103	W F	9:15-12:30 PM	320 LA	BOTTORFF R
			3	104	M T R	11:45- 1:55 PM	323 LA	REMEN J
			3	105	M W	5:30- 8:45 PM	323 LA	LEWIS W
			3	106	T R	5:30- 8:45 PM	323 LA	LEE A

198 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**MATHEMATICS (MTH) ..... Dept. 30 (Cont.)**

**SPRING (Cont.)**

Course Number	Title	Prerequisite	Cr. Number	Section Number	Days	Hours	Room	Instructor
3	155		3	155	M W	8:00- 8:15 PM	CHELSEA	NICOLL J
3	162		3	162	T R	8:00- 8:15 PM	DIXTER	SMITH M
3	187		3	187	T R	8:00- 8:15 PM	YPSILANTI	THOMPSON B
3	189		3	189	M W	8:00- 8:15 PM	BRIGHTON	STABLE A
3	194		3	194	M W	8:00- 8:15 PM	SALINE	SMITH G

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

**SPRING-SUMMER**

039	BASIC MATHEMATICS		3	201	S	9:15-12:30 PM	320 LA	LEE A
			3	202	M	11:45- 3:00 PM	320 LA	MEALING R
			3	203	V	5:30- 8:45 PM	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

090	COCUP MATH	MTH 039	3	201	S	9:15-12:30 PM	320 LA	LEE A
			3	202	M	11:45- 3:00 PM	320 LA	MEALING R
			3	203	M	5:30- 8:45 PM	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

097	INTRO ALGEBRA	MTH 039	4	201	M T R	10:00-11:40	334 LA	
097A	INTRO ALGEBRA	MTH 039	3	201	S	9:15-12:30 PM	320 LA	LEE A
			3	202	M	11:45- 3:00 PM	320 LA	MEALING R
			3	203	M	5:30- 8:45 PM	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

097B	INTRO ALGEBRA	MTH 097A	3	201	S	9:15-12:30 PM	320 LA	LEE A
			3	202	M	11:45- 3:00 PM	320 LA	MEALING R
			3	203	M	5:30- 8:45 PM	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

114	SPECIAL NEEDS		1-6	201	M W	11:45- 3:00 PM	209 SC	MCGILL J
161	APPLIED ALGEBRA	MTH 039	4	201	T R	11:45- 2:30 PM	320 LA	MEALING R
163	BUSINESS MATH	MTH 039	3	201	W	9:15-12:30 PM	323 LA	REMEN J
			3	202	M	5:30- 8:45 PM	320 LA	PRICHARD L

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

165	HEALTH SCIENCE MATH	MTH 039	3	201	W	9:15-12:30 PM	323 LA	REMEN J
			3	202	M	5:30- 8:45 PM	320 LA	PRICHARD L

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

169	INTERMEDIATE ALG	MTH 097	4	201	T R	10:30-12:40 PM	340 LA	
169A	INTERMEDIATE ALG	MTH 097	3	201	W	9:15-12:30 PM	320 LA	BILA D
			3	202	S	11:45- 3:00 PM	323 LA	MCGILL J
			3	203	T	5:30- 8:45 PM	323 LA	MCGILL J

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

169B	INTERMEDIATE ALG	MTH 169A	3	201	W	9:15-12:30 PM	320 LA	BILA D
			3	202	S	11:45- 3:00 PM	323 LA	MCGILL J
			3	203	T	5:30- 8:45 PM	323 LA	MCGILL J

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

177	TRIANGLE TRIG	MTH 097	3	201	W	9:15-12:30 PM	320 LA	BILA D
			3	202	S	11:45- 3:00 PM	323 LA	MCGILL J
			3	203	T	5:30- 8:45 PM	323 LA	MCGILL J

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

178	GENERAL TRIG	MTH 169	3	201	M W	2:00- 3:40 PM	334 LA	BOTTORFF R
			3	202	T R	6:00- 7:40 PM	322 LA	

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**MATHEMATICS (MTH) ..... Dept. 30 (Cont.)**

**SPRING-SUMMER (Cont.)**

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
179	PRECALCULUS	MTH 169	4	201	M W	2:15- 4:25 PM	332 LA	HASTINGS J
			4	202	T R	<del>8:00- 8:10 PM</del>	340 LA	SZADY S
181	MATH ANALYSIS I	MTH 169	4	201	T R	9:15-11:25	342 LA	GOLDBERG D
182	MATH ANALYSIS II	MTH 169, 167	4	201	M W	<del>8:00- 8:10 PM</del>	334 LA	
191	CALCULUS I	MTH 178, 179	5	201	M T R	9:15-11:05	332 LA	LEWIS W
			5	202	M T R	11:45- 1:35 PM	332 LA	BOTTORFF R
			5	203	T R	<del>8:00- 8:45 PM</del>	<del>334 LA</del>	OLSSON G
192	CALCULUS II	MTH 191	4	201	M W	10:30-12:40 PM	340 LA	BATELL M
			4	202	T R	<del>8:00- 8:10 PM</del>	332 LA	EGAN J
197	LINEAR ALGEBRA	MTH 191	4	201	M W	1:00- 3:10 PM	340 LA	BATELL M
293	CALCULUS III	MTH 192	4	201	T R	10:30-12:40 PM	224 TI	PALAY R
295	DIFFERENTIAL EQUATI	MTH 192	4	201	T R	2:15- 4:25 PM	340 LA	BATELL M

**SUMMER**

039	BASIC MATHEMATICS		3	301	M T R	9:15-11:25	320 LA	MEALING R
			3	302	M T R	9:15-11:25	320 LA	BILA D
			3	303	W F	9:15-12:30 PM	320 LA	MEALING R
			3	304	M T R	11:45- 1:55 PM	320 LA	MEALING P
			3	305	M W	<del>5:30- 8:45 PM</del>	323 LA	MCGILL J
			3	306	M W	<del>5:30- 8:45 PM</del>	320 LA	LEWIS W
			3	307	T R	<del>5:30- 8:45 PM</del>	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

090	OCCUP MATH	MTH 039	3	301	M T R	9:15-11:25	320 LA	MEALING R
			3	302	M T R	9:15-11:25	320 LA	BILA D
			3	303	W F	9:15-12:30 PM	320 LA	MEALING R
			3	304	M T R	11:45- 1:55 PM	320 LA	MEALING P
			3	305	M W	<del>5:30- 8:45 PM</del>	323 LA	MCGILL J
			3	306	M W	<del>5:30- 8:45 PM</del>	320 LA	LEWIS W
			3	307	T R	<del>5:30- 8:45 PM</del>	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

097A	INTRO ALGEBRA	MTH 039	3	301	M T R	9:15-11:25	320 LA	MEALING R
			3	302	M T R	9:15-11:25	320 LA	BILA D
			3	303	W F	9:15-12:30 PM	320 LA	MEALING R
			3	304	M T R	11:45- 1:55 PM	320 LA	MEALING P
			3	305	M W	<del>5:30- 8:45 PM</del>	323 LA	MCGILL J
			3	306	M W	<del>5:30- 8:45 PM</del>	320 LA	LEWIS W
			3	307	T R	<del>5:30- 8:45 PM</del>	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

097B	INTRO ALGEBRA	MTH 097A	3	301	M T R	9:15-11:25	320 LA	MEALING R
			3	302	M T R	9:15-11:25	320 LA	BILA D
			3	303	W F	9:15-12:30 PM	320 LA	MEALING R
			3	304	M T R	11:45- 1:55 PM	320 LA	MEALING P
			3	305	M W	<del>5:30- 8:45 PM</del>	323 LA	MCGILL J
			3	306	M W	<del>5:30- 8:45 PM</del>	320 LA	LEWIS W
			3	307	T R	<del>5:30- 8:45 PM</del>	320 LA	GOLDBERG D

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

155	PLANE GEOMETRY	MTH 097 OR 151	4	301	M W F	10:00-12:50 PM	224 TI	BATELL M
163	BUSINESS MATH	MTH 039	3	301	M T R	9:15-11:25	323 LA	BOTTORFF R
			3	302	M T R	11:45- 1:55 PM	320 LA	BILA D
			3	303	M W	5:30- 8:5 PM	323 LA	HASTINGS J

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

165	HEALTH SCIENCE MATH	MTH 039	3	301	M T R	9:15-11:25	323 LA	BOTTORFF R
			3	302	M T R	11:45- 1:55 PM	320 LA	BILA D
			3	303	M W	5:30- 8:45 PM	323 LA	HASTINGS J

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**Courses**  
**Number**      **Title**      **Prerequisite**      **Section**  
**Cr. Number**      **Days**      **Hours**      **Room**      **Instructor**

**MATHEMATICS (MTH) ..... Dept. 30 (Cont.)**

**SUMMER (Cont.)**

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

169A	INTERMEDIATE ALG	MTH 097	3 301	M T R	9:15-11:25	320 LA	MEALING P
			3 302	M T R	11:45- 1:55 PM	323 LA	HASTINGS J
			3 303	M W	5:30- 8:45 PM	320 LA	BOTTORFF R

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

169B	INTERMEDIATE ALG	MTH 169A	3 301	M T R	9:15-11:25	320 LA	MEALING P
			3 302	M T R	11:45- 1:55 PM	323 LA	HASTINGS J
			3 303	M W	5:30- 8:45 PM	320 LA	BOTTORFF R

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

177	TRIANGLE TRIG	MTH 097	3 301	M T R	9:15-11:25	320 LA	MEALING P
			3 302	M T R	11:45- 1:55 PM	323 LA	HASTINGS J
			3 303	M W	5:30- 8:45 PM	320 LA	BOTTORFF R

**NOTE: Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177**

179	PRECALCULUS	MTH 169	4 301	M T W R	9:15-11:25	334 LA	HASTINGS J
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**MECHANICAL TECHNOLOGY (MT) ..... Dept. 68**

**SPRING**

100	MACHINE SHOP THEORY		3 101	M W	9:15-12:15 PM	118 TI	LOWE B
101	MILLWRIGHT THEORY		2 101	M	4:15- 7:15 PM	118 TI	PIANOWSKI J
189	STUDY PROBLEMS	CONSENT	1-8 101	***	TO BE ARRANGED	***	AVERY D
199	ON THE JOB TRAINING	CONSENT	1-6 101	***	TO BE ARRANGED	***	

**SPRING-SUMMER**

100	MACHINE SHOP THEORY		3 201	T	9:15-12:15 PM	118 TI	LOWE B
			3 202	M	7:00-10:00 PM	118 TI	LOWE B
103	INTRO TO MATERIALS		3 201	M	9:15-12:15 PM	118 TI	ABLONDE R
			3 202	M	7:00-10:00 PM	118 TI	ABLONDE R
111	MACH SHOP THEOR&PRAC		4 201	M	8:00-11:00	107 TI	AVERY D
				W	8:00-11:00	118 TI	
			4 202	M	7:00-10:00 PM	106 TI	AVERY D
				W	7:00-10:00 PM	118 TI	
122	MACH TOOL OP SET UP	111 OR CONSENT	4 201	T R	8:00-11:00	118 TI	HOLLIS G
			4 202	T R	7:00-10:00 PM	118 TI	AVERY D
123	MACH TOOL OP SET UP		4 201	T R	7:00-10:00 PM	118 TI	AVERY D
			4 202	F	9:15- 3:15 PM	118 TI	LOWE B
189	STUDY PROBLEMS	CONSENT	1-8 201	***	TO BE ARRANGED	***	AVERY D
201	MACHINE TOOL TECH	122	4 201	T R	7:00-10:00 PM	118 TI	AVERY D

**SUMMER**

100	MACHINE SHOP THEORY		3 301	M W	9:00-12:15 PM	118 TI	LOWE B
			3 302	T R	7:00-10:00 PM	LOWE B	
189	STUDY PROBLEMS	CONSENT	1-8 301	***	TO BE ARRANGED	***	AVERY D

**MUSIC (MUS) ..... Dept. 20**

**SPRING**

102	WOOD STRING ENSEMBLE	AUDITION	2 101	M W	7:00- 9:00 PM	111 AC	MITCHELL L
106	JAZZ COMBO		1 101	M W	2:00- 3:00 PM	109 AC	MORDEN M
140	BASIC MUSIC ANSHIP		3 101	M T W R F	10:30-11:45	109 AC	LAWRENCE M
146	SONGWRITING		3 101	S	9:00- 1:00 PM	109 AC	LAWRENCE J
149	SIGHT SING EAR TRAIN		2 101	M W F	1:00- 3:00 PM	100 AC	
152	MUSIC THEORY I		3 101	M W F	10:30-11:45	111 AC	LOYD C
180	MUSIC APPRECIATION		3 101	MTWRF	9:15-10:30	109 AC	LAWRENCE M

100 SECTIONS BEGIN MAY 5 END JUNE 29  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Section Cr. Number Days Hours Room Instructor

**MUSIC (MUS) ..... Dept. 20 (Cont.)**

**SPRING (Cont.)**

189	STUDY PROBLEMS	CONSENT	1-8 101	...	TO BE ARRANGED	...	LAWRENCE M
204	VOICE		2 101	M W	7:00- 8:00 PM	100 AC	FOLK M
			2 102	T R	11:00-12:00	100 AC	FOLK M
210	FUNCTIONAL PIANO		2 101	R	6:00-10:00 PM	100 AC	PHIBBS E
213	INTERMEDIATE PIANO		2 101	T	6:00-10:00 PM	100 AC	PHIBBS E
239	JAZZ GUITAR		2 101	T R	7:00- 8:00 PM	100 AC	LAWRENCE J
249	INTRO JAZZ FLUTE		2 101	T R	1:00- 3:00 PM	100 AC	LOYD C
250	BEGINNING FLUTE SAX		2 101	M W	1:00- 2:00 PM	111 AC	LOYD C

**SUMMER**

180	MUSIC APPRECIATION		3 301	M W	9:15-12:30 PM	109 AC	LARKINS C
233	BEGINNING GUITAR		2 301	M W	8:00-10:00 PM	111 AC	LAWRENCE J
239	JAZZ GUITAR		2 301	M W	6:00- 8:00 PM	111 AC	LAWRENCE J

**NUMERICAL CONTROL (NC) ..... Dept. 66**

**SPRING**

100	INTRO TO NUM CONT		3 101	T R	6:00- 9:00 PM	107 TI	DICK R
			3 102	T R	8:00-11:00	114 TI	DICK R
189	STUDY PROBLEMS	CONSENT	1-8 101	...	TO BE ARRANGED	...	DONAHEY J

**SPRING-SUMMER**

121	PROG FOR NUM CONT	NC100, MT111	3 201	W	8:30-12:30 PM	114 TI	DICK R
			3 202	W	6:00-10:00 PM	114 TI	DONAHEY J
122	N C MACHINE TOOL OP	NC121, MTH152	3 201	R	6:00-10:00 PM	114 TI	DONAHEY J
224	APT 111 COM PROG	NC 121,122	4 201	W	6:00-10:00 PM	114 TI	DONAHEY J
225	NUM CONTRL GRAPHICS	NC 213	3 201	T	6:00-10:00 PM	114 TI	DONAHEY J

**SUMMER**

100	INTRO TO NUM CONT		3 301	T R	6:00- 9:00 PM	107 TI	DICK R
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**NURSING (NURC) ..... Dept. 57**

**SPRING**

240	COMPL MED SURG PRAC	COREQ NUR 245	3 101	...	TO BE ARRANGED	...	VANDERVEEN J
			3 102	...	TO BE ARRANGED	...	VANDERVEEN J
245	COMPL MED SURG THRY		3 101	M	9:00-12:00	170 OE	VANDERVEEN J
				T	10:00-12:00	170 OE	
				W	9:00-11:00	170 OE	
			3 102	M	9:00-12:00	170 OE	VANDERVEEN J
				T	10:00-12:00	170 OE	
				W	9:00-11:00	170 OE	
250	MENTHLHTH NUR PRAC	COREQ NUR 255	2 101	...	TO BE ARRANGED	...	GOODKIN B
			2 102	...	TO BE ARRANGED	...	GOODKIN B
255	MENTAL HLTH NURSING	NUR 200	3 101	M W	12:45- 3:00 PM	181 OE	GOODKIN B
				W	9:45-12:00	181 OE	
			3 102	TW	12:45- 3:00 PM	181 OE	GOODKIN B
				W	9:45-12:00	181 OE	
260	NUR MGT & TRENDS	NUR 200	2 101	MT	12:40- 3:00 PM	170 OE	KNOLL G

**SPRING-SUMMER**

130	PAR-CHLD NURS PRACT*		3 201	...	TO BE ARRANGED	...	KNOLL G
133	PHARMACOLOGY III	111 122	2 201	F*	1:00- 3:20 PM	170 OE	VANDERVEEN J
				F**	10:00-12:20 PM	170 OE	

NOTE: \* Meets May 9 - June 27  
 \*\* Meets July 11 - August 8

135	PARENT CHILD NURSING*	120 125	3 201	MT	9:30-11:30	181 OE	GOODKIN B
				F	10:00-12:00	181 OE	
			3 202	MT	9:30-11:30	168 OE	KNOLL G
				F	10:00-12:00	168 OE	

NOTE: \* Meets May 5 - June 27

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number	Title	Prerequisite	Cr. Number	Section Number	Days	Hours	Room	Instructor
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**NURSING (NUR) ..... Dept. 57 (Cont.)**

**SPRING-SUMMER (Cont.)**

144	PHARM FOR NURSES	LPN,RN,GPN,GN	5	201	T R	6:30- 9:15 PM	168 OE	GILBERT C
189	STUDY PROBLEMS	CONSENT	1-8	201	***	TO BE ARRANGED	***	KNOLL G
			1-8	202	***	TO BE ARRANGED	***	GOODKIN B
			1-8	203	***	TO BE ARRANGED	***	VANDERVEEN J

**SUMMER**

039	STATE BOARD PREP	CONSENT	1	301	***	TO BE ARRANGED	***	VANDERVEEN J
140	ADV MED SURG PRACT	121 126	3	301	***	TO BE ARRANGED	***	VANDERVEEN J
145	ADV MED SURG NUR	121 126	2	301	M	9:00-12:00	170 OE	VANDERVEEN J
					R	100-400PM	170 OE	

**PHARMACY TECH (PHT) ..... Dept. 58**

**SPRING-SUMMER**

102	DRUG DIST SYSTEMS	PHT 100	3	201	M	7:00- 9:00 PM	162 OE	
					T	11:00- 2:00 PM	162 OE	
			3	202	M	7:00- 9:00 PM	162 OE	
					T	2:00- 5:00 PM	162 OE	
			3	203	M	7:00- 9:00 PM	162 OE	
					R	6:00- 9:00 PM	162 OE	
105	PREP OF MEDS		2	201	M	6:00- 7:00 PM	162 OE	
					T	5:00- 7:00 PM	162 OE	
			2	202	M	6:00- 7:00 PM	162 OE	
					T	7:00- 9:00 PM	162 OE	
			2	203	M	6:00- 7:00 PM	162 OE	
					W	6:00- 8:00 PM	162 OE	

**PHILOSOPHY (PHL) ..... Dept. 14**

**SPRING**

101	INTRO TO PHILOSOPHY		3	101	M W F	11:45- 1:50 PM	242 LA	KIBENS M
			3	102	T R	6:00- 9:15 PM	205 SC	THOMAS E
250	LOGIC		3	101	M W F	9:15-11:25	238 LA	KIBENS M

**SUMMER**

101	INTRO TO PHILOSOPHY		3	301	T R	9:15-12:30 PM	242 LA	THOMAS E
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**PHOTOGRAPHY (PHO) ..... Dept. 71**

**SPRING**

101	PHOTO & ENVIRONMENT		3	101	M W	9:15- 1:15PM	101 OE	STEINBACH J R
103	HISTORY OF PHOTO		2	101	T R	1:00- 3:00 PM	101 OE	TAYLOR S
114	BASIC COLOR PHOTO	111	3	101	T R	8:45- 1:00 PM	101 OE	STEINBACH J R
199	ON JOB TRAINING	CONSENT	1-6	101	***	TO BE ARRANGED	***	
201	INTRO FASHION PHOTO	PHO 112	2	101	W F	9:15-12:15 PM	101 OE	
231	PORTFOLIO SEMINAR	CONSENT	2	101	R	1:00- 5:00 PM	107 OE	

**SPRING-SUMMER**

101	PHOTO & ENVIRONMENT	See note below	3	201	***	TO BE ARRANGED	***	STEINBACH J R
111	PHOTOGRAPHY		4	201	T	1:00- 5:00 PM	107 OE	
					R	1:00- 3:30 PM	101 OE	
			4	202	M	6:00-10:00 PM	107 OE	SHIELDS M
					W	6:00- 8:30 PM	101 OE	
112	DARKROOM TECH	111 COREQ 113	5	201	M F	1:00- 4:30 PM	107 OE	
113	STUDIO TECHNIQUES	COREQ PHO 112	3	201	W	1:00- 5:00 PM	107 OE	
114	BASIC COLOR PHOTO	111	3	201	T	6:00-10:00 PM	101 OE	FORSHEE P

**NOTE: Pho 101, Section 201, meets in Girvan, Scotland June 16 - June 23**

**SUMMER**

230	SPECIALIZED STUDY	CONSENT	2-5	301	***	TO BE ARRANGED	***	
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100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**PHYSICS (PHY) ..... Dept. 35**

**SPRING**

110 APPLIED PHYSICS MTH 090 4 101 M T W R 5:30- 8:45 PM 203 LA KAPP G  
 111 GENERAL PHYSICS MTH 097 169 177 4 101 M T W R 11:45- 3:00 PM 207 LA HINDS D

**SPRING-SUMMER**

222 ANALYTICAL PHYSICS PHY 211 5 201 T R 9:15-11:30 238 LA AMUNDSEN J  
 F 9:15-12:15 PM 207 LA

**SUMMER**

122 GENERAL PHYSICS PHY 111 4 301 M T W R 11:45- 3:00 PM 207 LA AMUNDSEN J

**POLITICAL SCIENCE (PLS) ..... Dept. 05**

**SPRING**

108 GOV AND SOCIETY 3 101 M T W R F 8:00- 9:15 110 SC GLUSAC I  
 3 102 M T W R F 9:15-10:30 110 SC GLUSAC I  
 3 103 M T W R F 11:45- 1:00 PM 110 SC AMARU A  
 3 104 M W 6:15- 9:30 PM 110 SC GLUSAC I  
 3 105 T R 6:15- 9:30 PM 110 SC AMARU A  
 3 106 M T W R F 10:30-11:45 110 SC SUSNICK S  
 3 107 M T W R F 8:00- 9:15 107 SC SUSNICK S  
 112 INTRO AMER GOV 3 101 M W 6:15- 9:30 PM 210 SC AMARU A  
 150 STATE AND LOCAL GOV 3 101 M T W R F 9:15-10:30 210 SC MILLER L  
 3 102 M T W R F 10:30-11:45 210 SC MILLER L  
 189 STUDY PROBLEMS CONSENT 1-6 101 \* \* \* TO BE ARRANGED \* \* \* MILLER L

**SUMMER**

108 GOV AND SOCIETY 3 301 M T W R F 9:15-10:30 110 SC AMARU A  
 3 302 M W 6:15- 9:30 PM 110 SC GLUSAC I  
 3 303 T R 6:15- 9:30 PM 110 SC GLUSAC I  
 3 304 M T W R F 8:00- 9:15 110 SC SUSNICK S  
 112 INTRO AMER GOV 3 301 M T W R F 10:30-11:45 110 SC AMARU A  
 150 STATE AND LOCAL GOV 3 301 M T W R F 11:45- 1:00 PM 110 SC AMARU A

**PSYCHOLOGY (PSY) ..... Dept. 08**

**SPRING**

100 INTRO PSYCHOLOGY 3 101 M T W R F 8:00- 9:15 340 LA KOLLEN M  
 3 102 M T W R F 9:15-10:30 215 SC ZAREMBA E  
 3 103 M T W R F 10:30-11:45 215 SC MOY W  
 3 104 M T W R F 11:45- 1:00 PM 215 SC MOY W  
 3 105 M W 12:00- 3:15 PM 111 SC MARTIN H  
 3 106 M W 3:15- 6:30 PM 111 SC MARTIN H  
 3 107 M W 6:30- 9:45 PM 111 SC MARTIN H  
 107 BLACK PSYCHOLOGY 3 101 M T W R F 10:30-11:45 342 LA ROBERTS A  
 189 STUDY PROBLEMS CONSENT 1-6 101 \* \* \* TO BE ARRANGED \* \* \* KOLLEN M  
 1-8 102 \* \* \* TO BE ARRANGED \* \* \* ROBERTS A  
 200 CHILD PSYCHOLOGY 3 101 M T W R F 9:15-10:30 322 LA ROBERTS A  
 201 THE BLACK CHILD 3 101 T R 1:00- 4:15 PM 215 SC ROBERTS A  
 257 ABNORMAL PSYCHOLOGY 3 101 M T W R F 9:15-10:30 340 LA KOLLEN M  
 3 102 M W 5:30- 8:45 PM 215 SC

**SUMMER**

100 INTRO PSYCHOLOGY 3 301 M T W R F 9:15-10:30 215 SC ZAREMBA E  
 3 302 M W 6:00- 9:45 PM 215 SC ZAREMBA E  
 114 LEARNING TO LEARN 3 301 M T W R F 10:30-11:45 215 SC ZAREMBA E

**RADIOGRAPHY (RAD) ..... Dept. 53**

**SPRING**

097 REGISTRY REVIEW 1 101 M 9:00-11:15 180 OE BAKER G  
 130 CLINICAL EDUCATION 2 101 \* \* \* TO BE ARRANGED \* \* \* BAKER G  
 135 PATHOLOGY FOR RT 2 101 F 9:00- 1:20 PM 180 OE BAKER G  
 189 STUDY PROBLEMS CONSENT 1-8 101 \* \* \* TO BE ARRANGED \* \* \* BAKER G  
 240 CLINICAL EDUCATION 2 101 \* \* \* TO BE ARRANGED \* \* \* BAKER G

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

**RADIOGRAPHY (RAD) ..... Dept. 53 (Cont.)**

**SUMMER**

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
100	INTRO RADIOGRAPHY	ADM TO PROG	2	301	M	8:00-12:20 PM	180 OE	NELSON R
101	METHODS OF PAT CARE	ADM TO PROG	2	301	W	8:00-12:20 PM	180 OE	NELSON R
140	CLINICAL EDUCATION		2	301	***	TO BE ARRANGED ***		NELSON R
189	STUDY PROBLEMS	CONSENT	1-8	301	***	TO BE ARRANGED ***		NELSON R

**READING (RDG) ..... Dept. 25**

**SPRING**

040	READING		3	101	M W	9:15-12:30 PM	305 SC	CARMICHAEL D
			3	102	T R	8:00-11:15	305 SC	MC GEE S
			3	103	M W	<del>8:15-11:30 PM</del>	<del>305 SC</del>	<del>WARNER E</del>
			3	104	T R	<del>8:15-11:30 PM</del>	<del>305 SC</del>	<del>FARNELL A</del>
090	CHILDRENS READING		2	101	M W	8:45-12:00	209 SC	NAGEL R
103	STUDY SKILLS		3	101	M W	12:30- 3:45 PM	307 SC	BUATTI C
105	VOC & SPELL POWER		3	101	M W	9:15-12:30 PM	307 SC	
			3	102	T R	12:30- 3:30 PM	307 SC	MC GEE S
107	SPEED READING		3	101	T R	9:15-12:30 PM	307 SC	NAGEL R
115	MEDICAL TERMINOLOGY		2	101	T R	8:00-10:00	209 SC	MARTIN L
			2	102	T R	10:30-12:30 PM	209 SC	MARTIN L
			2	103	T R	<del>8:00-10:00 PM</del>	<del>209 SC</del>	<del>MARTIN L</del>
189	STUDY PROBLEMS	CONSENT	1-8	101	***	TO BE ARRANGED ***		NAGEL R
			1-8	102	***	TO BE ARRANGED ***		MC GEE S

**SUMMER**

040	READING		3	301	T R	9:15-12:30 PM	305 SC	WARNER E
107	SPEED READING		3	301	M W	9:15-12:30 PM	307 SC	
115	MEDICAL TERMINOLOGY		2	301	T R	9:15-11:25	209 SC	

**REFRIGERATION & AIR CONDITIONING (RAC) ..... Dept. 82**

**SPRING-SUMMER**

124	BASIC CONTROLS	111 AND CONSENT 5	5	201	T R	<del>5:30- 8:00 PM</del>	126 T1	EBERLE G
199	ON THE JOB TRAINING	CONSENT	1-6	201	***	TO BE ARRANGED ***		
213	AIR CONDITIONING	122 OR CONSENT 5	5	201	M W	<del>5:30- 8:00 PM</del>	126 T1	HANSEN J

**RESPIRATORY THERAPY (RTH) ..... Dept. 54**

**SPRING**

189	STUDY PROBLEMS	CONSENT	1-8	101	***	TO BE ARRANGED ***		HAMMOND C
201	SPEC CLINIC PRACT		2	101	***	TO BE ARRANGED ***		HAMMOND C
202	PEDIATRIC CLINIC PR		2	101	***	TO BE ARRANGED ***		HAMMOND C
217	SEM RESP THERAPY		2	101	M	12:00- 4:00 PM	176 OE	HAMMOND C

**SPRING-SUMMER**

122	RESPIRA PHYSIOLOGY	BIO 111&RTH 106	2	201	T R	1:00- 2:00 PM	176 OE	KOTAJARVI
123	RESP PATHOPHYS		3	201	T R	11:30- 1:00 PM	176 OE	KOTAJARVI
148	PHARM FOR RESP THER		2	201	M	8:00-10:00	160 OE	CONLON
198	GEN CLINIC PRACT I		3	201	***	TO BE ARRANGED ***		HAMMOND/REDICK
199	GEN CLINICAL PRACT II		3	201	***	TO BE ARRANGED ***		HAMMOND/REDICK
200	ADV CLINICAL PRACT	SEE CATALOG	4	201	***	TO BE ARRANGED ***		HAMMOND/REDICK
212	VENTILATORS		3	201	M F	10:00-12:00	176 OE	HAMMOND/REDICK
213	INTENS & REHAB CARE		4	201	M W F	9:00-10:00	176 OE	HAMMOND/REDICK
		W			10:00-12:00	176 OE		
214	CARDIO DIAGNOSTICS	BIO 111&112	3	201	W F	12:00- 1:30 PM	176 OE	TURNER

**SUMMER**

149	PATH FOR RESP THER		3	301	T R	8:00-11:15	176 OE	REDICK M
189	STUDY PROBLEMS	CONSENT	1-8	301	***	TO BE ARRANGED ***		REDICK M
201	SPEC CLINIC PRACT		2	301	***	TO BE ARRANGED ***		REDICK M
202	PEDIATRIC CLINIC PR		2	301	***	TO BE ARRANGED ***		REDICK M

**RUSSIAN (See General Studies)**

100 SECTIONS BEGIN MAY 5 END JUNE 28  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**SECRETARIAL & OFFICE (SO) ..... Dept. 49**

**SPRING**

101	TYPEWRITING		3	101	M T W R	8:00-10:10	125 LA	
			3	102	M T W R	10:30-12:40 PM	125 LA	BURCH W
102	TYPEWRITING		3	101	M T W R	8:00-10:10	105 LA	PATT J
			3	102	M W R	6:00- 8:45 PM	105 LA	
130	BUSINESS MACHINES	MTH 090	3	101	T R	5:00- 8:15 PM	123 LA	CHARLTON E
151	WORD PROCESS PRIN		3	101	M W	9:15-12:30 PM	114 LA	CHARLTON E
153	WORD PROC AP/BSC PRT	SO 101	2	101	M W	10:30-12:40 PM	116 LA	PATT J
			2	102	T R	10:30-12:40 PM	116 LA	PATT J
			2	103	M W	1:00- 3:10 PM	116 LA	CHARLTON E
214	W P/ADV PRACT	SO 153&102	3	101	M T W R	5:30- 7:40 PM	116 LA	
						8:00-10:10	116 LA	BURCH W

**SPRING-SUMMER**

101	TYPEWRITING		3	201	M T W R	1:00- 2:00 PM	125 LA	
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**SUMMER**

101	TYPEWRITING		3	301	M T W R	10:30-12:40 PM	125 LA	
102	TYPEWRITING		3	301	M T W R	8:00-10:10	125 LA	JUSTER M
152	IP TRANSCRIP SKILLS	SO 102	3	301	M T W R	10:30-12:40 PM	107 LA	JUSTER M

**SOCIOLOGY (SOC) ..... Dept. 09**

**SPRING**

100	PRIN OF SOCIOLOGY		3	101	M T W R F	9:15-10:30	113 SC	BYLSMA D
			3	102	T R	3:00- 6:15 PM	113 SC	THOMPSON D
			3	103	T R	6:15- 9:30 PM	113 SC	THOMPSON D
150	MARRIAGE AND FAMILY		3	101	M T W R F	10:30-11:45	113 SC	BYLSMA D
189	STUDY PROBLEMS	CONSENT	1-8	101	.....	TO BE ARRANGED	.....	BYLSMA D
211	DEATH AND DYING		3	101	M W	6:00- 9:15 PM	113 SC	THOMPSON D

**SUMMER**

100	PRIN OF SOCIOLOGY		3	301	M T W R F	9:15-10:30	113 SC	BYLSMA D
			3	302	M W	6:00- 9:15 PM	113 SC	THOMAS E
202	CRIMINOLOGY		3	301	M T W R F	10:30-11:45	113 SC	BYLSMA D

**SPANISH (SPN) ..... Dept. 21**

**SPRING**

111	FIRST YEAR SPANISH		4	101	T R	9:15-11:30	311 SC	BIEDERMAN R
					W	9:15-11:30	202 SC	
121	INTER CONV SPANISH	SPN 120 OR EQUI	2	101	T R	11:45- 2:00 PM	311 SC	BIEDERMAN R
			2	102	T R	6:00- 8:15 PM	311 SC	BIEDERMAN R

**SUMMER**

122	FIRST YEAR SPANISH	SPN 111 OR EQUI	4	301	T R	9:15-11:30	311 SC	DOW K
					W	9:15-11:30	202 SC	

**SPEECH (SPH) ..... Dept. 23**

**SPRING**

101	FUND OF SPEAKING		3	101	M T W R F	8:00- 9:15	205 SC	HANSON C
			3	102	M T W R F	9:15-10:30	242 LA	
			3	103	M T W R F	10:30-11:45	CT LA	
			3	104	M W	6:30- 9:45 PM	CT LA	DEVEREAUX W
			3	105	T R	6:30- 9:45 PM	CT LA	DEVEREAUX W
131	RADIO AND TV SPEECH		3	101	M T W R F	9:15-10:30	205 SC	HANSON C
152	ACTING FOR THEATRE		3	101	M T W R F	1:00- 2:15 PM	CT LA	DEVEREAUX W
189	STUDY PROBLEMS	CONSENT	1-8	101	.....	TO BE ARRANGED	.....	HANSON C

**SUMMER**

101	FUND OF SPEAKING		3	301	M T W R F	9:15-10:30	205 SC	GROTRIAN P
			3	302	M T W R F	10:30-11:45	205 SC	GROTRIAN P
140	VOICE IMPROVE BUS		1	301	T	12:00- 2:10 PM	205 SC	GROTRIAN P

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**TECHNICAL COMMERCIAL ART (TCA) ..... Dept. 73**

**SPRING-SUMMER**

100 PERSP PARA PROJECT 4 201 T R 8:00- 9:00 PM 108 OE  
 231 INTRO SCI ILLUSTR 2 201 F 9:00-12:00 108 OE GILL C

**WELDING & FABRICATION (WF) ..... Dept. 71**

**SPRING**

100 FUND OF WELDING 2 101 M W 8:00- 9:00 PM 125 OE FIGG W  
 2 102 M W 8:00-12:00 125 OE GRAY D  
 2 103 M W 1:00- 5:00 PM 125 OE HALL C  
 2 104 T R 6:00-10:00 PM 125 OE FIGG W  
 101 ACETYLENE WELDING 2 101 M W 8:00-12:00 125 OE GRAY D  
 2 102 T R 8:00-12:00 125 OE GRAY D  
 2 103 M W 8:00-10:00 PM 125 OE FIGG W  
 2 104 T R 6:00-10:00 PM 125 OE FIGG W  
 2 105 M W 1:00- 5:00 PM 125 OE HALL C  
 102 ARC WELDING 2 101 M W 8:00-12:00 125 OE GRAY D  
 2 102 M W 6:00-10:00 PM 125 OE FIGG W  
 2 103 T R 6:00-10:00 PM 125 OE FIGG W  
 2 104 M W 1:00- 5:00 PM 125 OE FIGG W  
 103 HELI-ARC WELDING 2 101 M W 8:00-12:00 125 OE GRAY D  
 2 102 T R 8:00-12:00 125 OE  
 2 103 M W 6:00-10:00 PM 125 OE FIGG W  
 2 104 T R 6:00-10:00 PM 125 OE FIGG W  
 2 105 M W 1:00- 6:00 PM 125 OE HALL C  
 104 SOLDERING & BRAZING 2 101 M 8:00-12:00 125 OE GRAY D  
 2 102 W 8:00-12:00 125 OE GRAY D  
 2 103 M 8:00-10:00 PM 125 OE FIGG W  
 2 104 W 8:00-10:00 PM 125 OE FIGG W  
 189 STUDY PROBLEMS CONSENT 1-8 101 \* \* \* TO BE ARRANGED \* \* \* GRAY D  
 1-8 102 \* \* \* TO BE ARRANGED \* \* \* FIGG W  
 210 WELD METALLURGY 3 101 T R 12:00- 3:00 PM 125 OE HALL C

**SPRING-SUMMER**

111 OXY-ACETYLENE WELD 4 201 M W 8:00-12:00 125 OE GRAY D  
 4 202 M W 6:00-10:00 PM 125 OE FIGG W  
 4 203 T R 6:00-10:00 PM 125 OE FIGG W  
 4 204 T R 8:00-12:00 125 OE HALL C  
 4 205 M W 1:00- 5:00 PM 125 OE HALL C  
 112 ARC WELDING 4 201 T R 8:00-12:00 125 OE HALL C  
 4 202 M W 6:00-10:00 PM 125 OE FIGG W  
 4 203 T R 6:00-10:00 PM 125 OE FIGG W  
 4 204 M W 8:00-12:00 125 OE GRAY D  
 4 205 M W 1:00- 5:00 PM 125 OE HALL C  
 123 ADV OXY-ACETYLENE 4 201 M W 8:00-12:00 125 OE GRAY D  
 4 202 M W 6:00-10:00 PM 125 OE FIGG W  
 4 203 T R 6:00-10:00 PM 125 OE FIGG W  
 4 204 T R 8:00-12:00 125 OE HALL C  
 4 205 M W 1:00- 5:00 PM 125 OE HALL C  
 124 ADV ARC WELDING 4 201 T R 8:00-12:00 125 OE HALL C  
 4 202 M W 6:00-10:00 PM 125 OE FIGG W  
 4 203 T R 6:00-10:00 PM 125 OE FIGG W  
 4 204 M W 8:00-12:00 125 OE GRAY D  
 4 205 M W 1:00- 5:00 PM 125 OE HALL C  
 189 STUDY PROBLEMS CONSENT 1-8 201 \* \* \* TO BE ARRANGED \* \* \* GRAY D  
 1-8 202 \* \* \* TO BE ARRANGED \* \* \* FIGG W  
 215 ADV TIG MIG WELD 4 201 M W 8:00-12:00 125 OE GRAY D  
 4 202 M W 6:00-10:00 PM 125 OE FIGG W  
 4 203 T R 8:00-12:00 125 OE HALL C  
 4 204 T R 6:00-10:00 PM 125 OE FIGG W  
 4 205 M W 1:00- 5:00 PM 125 OE HALL C  
 226 SPECIAL WELD PROCED 4 201 M W 8:00-12:00 125 OE GRAY D  
 4 202 M W 6:00-10:00 PM 125 OE FIGG W  
 4 203 T R 8:00-12:00 125 OE HALL C  
 4 204 T R 6:00-10:00 PM 125 OE FIGG W  
 227 BASIC FABRICATION CONSENT 3 201 R 11:30- 3:30 PM 125 OE FIGG W  
 229 SHAPE CUTTING OPER 3 201 T 1:00- 5:00 PM 125 OE FIGG W

100 SECTIONS BEGIN MAY 5 END JUNE 20  
 200 SECTIONS BEGIN MAY 5 END AUGUST 8  
 300 SECTIONS BEGIN JUNE 23 END AUGUST 8

Course Number Title Prerequisite Cr. Section Number Days Hours Room Instructor

**WELDING & FABRICATION (WF) ..... Dept. 71 (Cont.)**

**SUMMER**

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
100	FUND OF WELDING		2	301	T R			
			2	302	T R	8:00-12:00	125 OE	HALL C
			2	303	M W			
101	ACETYLENE WELDING		2	304	M W	1:00- 5:00 PM	125 OE	HALL C
			2	301	M W	8:00-12:00	125 OE	HALL C
			2	302	T R	8:00-12:00	125 OE	HALL C
			2	303	M W			
			2	304	T R			
			2	305	M W	1:00- 5:00 PM	125 OE	HALL C
102	ARC WELDING		2	301	M W	8:00-12:00	125 OE	HALL C
			2	302	T R	8:00-12:00	125 OE	HALL C
			2	303	M W			
			2	304	T R			
			2	305	M W	1:00- 5:00 PM	125 OE	HALL C
			2	301	M W	8:00-12:00	125 OE	HALL C
103	HELI-ARC WELDING		2	302	T R	8:00-12:00	125 OE	HALL C
			2	303	M W			
			2	304	T R			
			2	305	M W	1:00- 5:00 PM	125 OE	HALL C
			2	301	M W	8:00-12:00	125 OE	HALL C
			2	302	T R	8:00-12:00	125 OE	HALL C
189	STUDY PROBLEMS	CONSENT	1-8	301	...	1:00- 5:00 PM	125 OE	HALL C
			1-8	302	...	TO BE ARRANGED	...	HALL C
			1-8	302	...	TO BE ARRANGED	...	FIGG W
199	ON THE JOB TRAINING	CONSENT	1-6	301	...	TO BE ARRANGED	...	GRAY D
			1-6	301	...	TO BE ARRANGED	...	GRAY D
200	LAYOUT THEORY WELD		2	301	T R	12:00- 3:00 PM	125 OE	HALL C

**WOMEN'S STUDIES (WS) ..... Dept. 06**

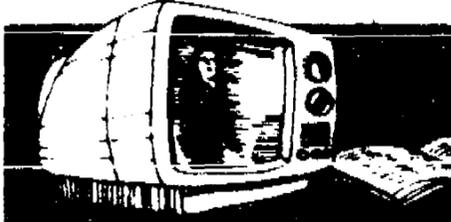
**SPRING**

Course Number	Title	Prerequisite	Cr.	Section Number	Days	Hours	Room	Instructor
115	ASSERT TRAIN/WOMEN		3	101	T R	9:00-12:00	105 SC	BAKER
122	IMAGESWOMEN IN MYTH		2	183	T R	7:00- 9:15 PM	AAY	TOMPKINS

FOR TOMORROW, START TODAY

## WASHTENAW COMMUNITY COLLEGE ... On Television

Washtenaw Community College offers courses on television to be viewed at home which may be taken 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.



**ANT 201 Cultural Anthropology**  
"Faces of Culture"

**EC 211 Principles of Economics**  
"The Money Puzzle"

**MGT 205 Principles of Management**  
"The 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 actual airing times, call the Telecourse HOTLINE (973-3671) and leave your name and address. A schedule will be mailed to you.

**Telecourse Orientation**

All students enrolled in the telecourse will be required to attend an orientation first class session on campus during the first week of classes. At this meeting, you will receive information on how to contact your instructor, assignments, testing, textbooks, etc. Textbooks and study guides will be available for purchase at the College Bookstore. Telecourse Orientation will be held on Wednesday, May 7, 1986 at 11:00 a.m. to 12:00 noon in SC 213 or 6:00 p.m. to 7:00 p.m. in SC 205.

**TELECOURSE HOTLINE: 973-3671**

**Washtenaw Community College**  
4800 E. Huron River Drive, P.O. Box D-1  
Ann Arbor, Michigan 48106

WASHTENAW COMMUNITY COLLEGE

## 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.*

### 189. 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 092. FUNDAMENTALS OF ACCOUNTING II . . . . . 3 credit hours

Prerequisite: ACC 091

A continuation of Fundamentals of Accounting 091, which includes purchases, sales, inventories, depreciation, accruals, and the end of the year procedures with financial statements. Designed for non-accounting majors and 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.

## 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 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 100. SPECIFICATIONS . . . . . 1 credit hour

Prerequisite: ARC 117

An introduction to building construction specifications. The organization and preparation of specifications for construction contracts.

### 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 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 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 208. ESTIMATING CONSTRUCTION COSTS II . . . 2 credit hours

Prerequisite: ARC 207

Advanced course in estimating construction cost. For large scale construction projects using methods taught in Construction Estimating 207.

### 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 226. REPROGRAPHICS . . . . . 4 credit hours

Consent

Lecture and laboratory course on how to incorporate photography into architectural presentation and working drawings. (6 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 114. PAINTING . . . . . 4 credit hours

The necessary skills of controlling the application of colored pigments to achieve a unified two dimensional surface. Emphasis on development of sustaining attitudes toward painting regardless of subject matter or style. (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 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 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 100. INTRODUCTORY ASTRONOMY . . . . . 1 credit hour

The sun, moon, planets and stars observed with telescope and through films and slides. Astronomy presented as a hobby as well as a basic science. No prior knowledge of astronomy is required. (2 hours per week, 7 weeks)

## 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 125. FLAT RATE ESTIMATING . . . . . 2 credit hours

Prerequisite: Consent  
Use of flat-rate manuals to determine parts and labor prices in estimating damaged automobiles. Emphasis on procedures used to establish complete and accurate prices in preparing the estimate. (3 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 131. ADVANCED CUSTOM PAINTING . . . . . 2 credit hours

Prerequisite: ABR 130  
Continuation of methods and procedures used in automotive custom painting. Lab assignments on actual automobiles provide opportunity to improve skills in pin striping, color design coordination, lettering on automobiles, mural development, and the use of specific effect color and related materials. (8 hours per week for 7½ weeks)

### ABR 226. UNIBODY STRUCTURAL ALIGNMENT . . . . . 2 credit hours

Because the need to reduce weight and increase fuel economy, automobile body construction has changed dramatically in recent years. This course will offer training for the repair of structurally damaged unibody automobiles and light trucks. This course includes a detailed study of body construction, diagnostic procedures, repair techniques and structural parts replacement.

### 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 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 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 160. 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 lawnmowers, garden tractors, tillers, mini-bikes, etc. in the area.

**AS 219. DIAGNOSIS AND REPAIR II** ..... 3 credit hours

Prerequisite: First year auto service courses

This course is designed to provide you with basic diagnosis and repair skills necessary to properly service late model automobiles. Specialized areas of instruction include engine, brake systems, electrical systems, and carburetion.

**AS 227. HEATING AND AIR CONDITIONING** ..... 2 credit hours

Prerequisite: Consent

A study of the theory, diagnosing procedures, and servicing of the automotive air conditioning and heating system. Diagnosis and services are performed on live vehicles.

**AS 230. PRACTICAL FIELD EXPERIENCE** ..... 2 credit hours

Prerequisite: Fourth semester student

This course is 40 hours of work experience in the field alongside an experienced licensed mechanic and work experience in auto service building. Also included is a one hour per week seminar to discuss work experiences.

## 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 environment. 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 107. FIELD ECOLOGY** ..... 3 credit hours

The activities stress the wooded areas, ponds, fields and Huron River system found on the campus, supplemented by laboratory work and investigation of off-campus environmental problems.

**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 132. GARDEN PLANTING** ..... 1 credit hour

The Spring Semester deals with seed bed and planting area preparation. Further opportunities for germination of seeds indoors for transplanting in prepared areas are available in the early weeks of the semester. Transplanting of seedlings and direct planting of selected varieties of seeds will highlight this semester with emphasis on proper care. Scheduling of plantings for continuous yield and plant rotation techniques will be demonstrated in each student's garden area. Control of pests will be an item of concern. (2 hours per week)

**BIO 133. GARDEN CARE** ..... 1 credit hour

The Summer Semester emphasizes continued care and maintenance of plants being grown. Planting schedules for continuous yield are an integral part of this semester's activities. Irrigation practices discussed are utilized. Pest control practices will continue from the previous semester. Harvesting and utilization of selected plants for food and ornamental purposes highlight semester's activities. (2 hours per week)

**BIO 208A. GENETICS II** ..... 3 credit hours  
Basic principles of heredity and their applications to plants and animals  
No laboratory. (3 hours per week)

**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 240. FIELD STUDY OF BIRDS** ..... 1 credit hour  
Identification of birds and their songs and nesting habits.

**BIO 258. FIELD STUDY OF TREES AND SHRUBS** ..... 1 credit hour  
Identification and habitat study of woody plants.

**BIO 259. FIELD STUDY OF COMMON PLANTS** ..... 1 credit hour  
Non-woody higher plants are studied with emphasis on identification.

**BIO 260. SPRING WILD FLOWERS** ..... 1 credit hour  
The Spring flora is studied with emphasis placed on recognition.

**BIO 270. NATURE PHOTOGRAPHY** ..... 1 credit hour  
A practical course in photographing nature. Several approaches are used to give the student experience with different techniques and films. Use of a camera for taking pictures and film is required.

### **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)

### **BLUEPRINT READING (BPR 64)**

**BPR 101. BLUEPRINT READING** ..... 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.

### **BUSINESS (BUS 46)**

**BUS 107. WOMEN IN THE WORKPLACE** ..... 1 credit hour  
An inquiry into the economic and social factors affecting women in the workplace. An opportunity to become familiar with current literature on the working woman and to examine attitudes towards women and attitudes of working women.

**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)**

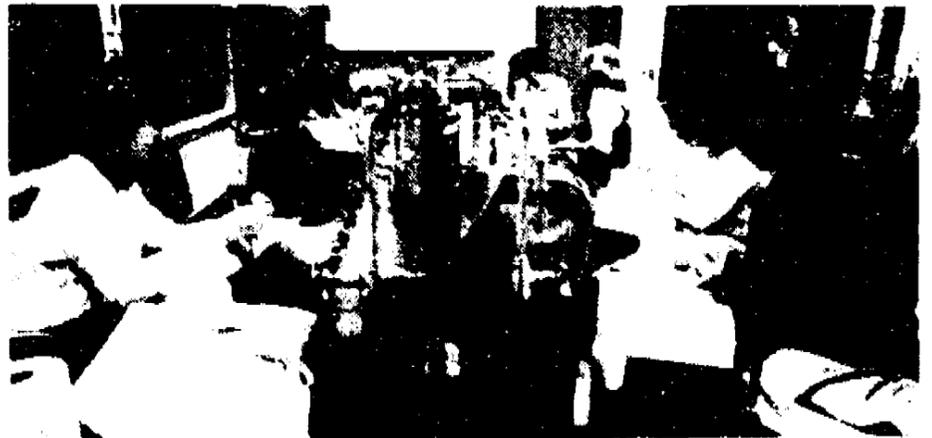
**CEM 057. INTRODUCTORY CHEMISTRY** ..... 3 credit hours  
A preparatory course for the student with no background in high school science or algebra. May be taken by students wishing to improve their chemistry background before taking Chemistry 111, Chemistry 105, or by the student desiring an exposure 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)



## CHILD CARE WORKER (CCW 76)

### 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 107. EDUCATIONAL EXPERIENCES IN SCIENCE AND MATH. . . . . 3 credit hours

Integrated curriculum workshops introduce the theory of math and science experiences for the young child. Learning to observe and teach the science and math around us every day. Making materials, collecting resource files and practical application of ideas to be used in the child care setting. Community resources are explored.

### 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)

## 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 "The New Literacy."

### 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 131. FORTRAN FOR BUSINESS AND INDUSTRY. . . . . 3 credit hours

In addition to basic input/output, computation and branching techniques, this course will cover Do-loops, arrays, functions and subroutines. Features of FORTRAN 77 will be utilized, when appropriate, to develop structured programs for business and industry.

### CIS 135. PL/1 PROGRAMMING. . . . . 3 credit hours

Prerequisite: CIS 130 or consent

An introduction to the PL/1 language. Topics covered will include input/output formats, branching statements, and the use of variables. Students will write programs demonstrating the basic structures of PL/1.

### 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 190. ON-THE-JOB TRAINING**..... 3 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 235. ASSEMBLER**..... 3 credit hours

Prerequisite: CIS 130 or consent

Principles of Assembly language. Course will emphasize use of the 8088 Assembler on the IBM PC. The 8088 microprocessor organization and machine code will be discussed as preliminary information to the use of the Assembler.

**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 270. COBOL II**..... 4 credit hours

Prerequisite: CIS 170

This course is a continuation of COBOL I, and includes table processing, sequential and indexed sequential files. Sorting and various file updating techniques, as well as Report Writer will be discussed. Several programs will be written to illustrate the topics covered, and at least one sub-program will be written and called from another COBOL program. Lecture. (4 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 282. SMALL SYSTEM DATA BASE**..... 3 credit hours

Prerequisite: CIS 130 or consent

This course presents the theory and concepts underlying the use of database environments in today's integrated business information systems. The features and relative merits of relational, network and hierarchical data models are discussed; and the significance of database administration and security are emphasized. Students will apply the theoretical concepts to realistic case studies. Lecture. (3 hours per week)

**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: MTH 169

An introduction to the principles and practices of the FORTRAN 77 programming language is presented. FORTRAN is designed for the science or business student who will use the computer as a tool in sorting, classifying, scheduling, performing complex or repetitive calculations, or evaluating models through simulation. Students will learn about problem-solving strategies, top-down program development, and good programming style. Students will write and execute approximately 8 programs in FORTRAN 77 leading up to a significant final project. This course does transfer to some four-year institutions and is offered every term.

**CPS 292. ASSEMBLER LANGUAGE PROGRAMMING**..... 4 credit hours

Prerequisite: CPS 186, CPS 187 or CPS 188

This course has a transfer program orientation. The basic architecture of computers will be discussed including the physical and logical components of a computer system. Processing, control and I/O will be dealt with and programmed using most of the instruction set of a computer. Students will write programs in assembler language. The course provides a foundation in assembler general enough to be applied easily to numerous machines. This course is normally offered in the Fall term.

**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.

**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 111. POLICE/COMMUNITY RELATIONS**..... 3 credit hours

Role of individual officer and the department in achieving and maintaining public support. Customs, culture, and problems of ethnic and minority groups. Public information services. Techniques for the alleviation of community tensions.

**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 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.

## **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 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 227. ADVANCED CULINARY TECHNIQUES** . . . . . 6 credit hours  
Prerequisite: CUL 122  
A culmination of experiences for the advanced student. Hors d'oeuvres, chaud-froid, ballontine and soufflé, tallow and salt carvings, aspics, ice carving, gum paste and decorating techniques become familiar to the student. (20 hours per week, 7 week semester)

**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 250. ADVANCED SERVICE TECHNIQUES** . . . . . 3 credit hours  
Wine and liquor identification and service, tableside preparation and flambe are covered in this advanced service techniques course. The students will learn how to satisfy the more discriminating diner.

## **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 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, rumba, 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, rumba, 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 121. ORAL DIAGNOSIS PRACTICUM** . . . . . 1 credit hour

Prerequisite: A 2.0 Grade Point Average in DA 111, DA 114, and DA 120

A clinical course designed to actively involve the student in applying his/her knowledge of recording diagnostic data and treatment plans. Complete clinical records including referral letter will be written on actual clinical cases being treated in the College Dental Clinic. Each student will be assigned to clinical experiences in the Washtenaw Community College Dental Clinic.

**DA 200. CLINICAL PRACTICE** . . . . . 3 credit hours

Prerequisite: DA 200, a 2.0 Grade Point Average in all Dental Assisting courses

This course is an orientation to a clinical environment. The student will actively utilize all previous dental courses in a controlled clinical environment.

**DA 201. DENTAL SPECIALTIES** . . . . . 3 credit hours

Prerequisite: A 2.0 Grade Point Average in all Dental Assisting courses

This course is designed to orient the dental assisting students to the various dental specialties and their relationship to one another.

**DA 202. ADVANCED CLINICAL PRACTICE** . . . . . 3 credit hours

Prerequisite: A 2.0 Grade Point Average in all Dental Assisting courses

The student will actively participate in a variety of clinical settings. It is structured according to the students' areas of interest and geographic access in dentistry. The student becomes acquainted with a number of office routines, procedures, equipment, and patient and staff relationships.

**DA 212. OFFICE PROCEDURES** . . . . . 4 credit hours

Prerequisite: 1 year of high school or Typing 101

This course is an introduction to the dental business office. This is a study of the systems of management used in dentistry, interpersonal communications, basic concepts of third party payment, and machines utilization.

**DA 215. ADVANCED DENTAL ROENTGENOLOGY** . . . . . 2 credit hours

Prerequisite: A 2.0 Grade Point Average in DA 125

A clinical course in making x-ray exposures using the manikin and patients participating in the WCC Dental Clinic Program.

**ECONOMICS  
(EC 02)****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

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** . . . . . 4 credit hours

The second half of Introductory 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 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 204. NATIONAL ELECTRICAL CODE** . . . . . 2 credit hours

Prerequisite: EE 123

Electrical safety, CPR, NEC, wiring practices, sizing wire, lighting circuits, service entrances, grounding, ground fault interrupters, commercial, residential, and industrial applications; symbols, schematics, and wiring diagrams. Lecture. (3 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

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 224A. PROGRAMMABLE CONTROLLERS A** ..... 3 credit hours

Prerequisite: EE 123

The first half of EE 224, a review of digital logic, programming and interfacing the Modcon Micro-84. Lecture and Lab. (4 hours per week)

**EE 224B. PROGRAMMABLE CONTROLLERS B** ..... 3 credit hours

Prerequisite: EE 123

The second half of EE 224, review of digital logic, programming and interfacing the Allen Bradley PLC-4. Lecture and Lab. (4 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 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 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 principles 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 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

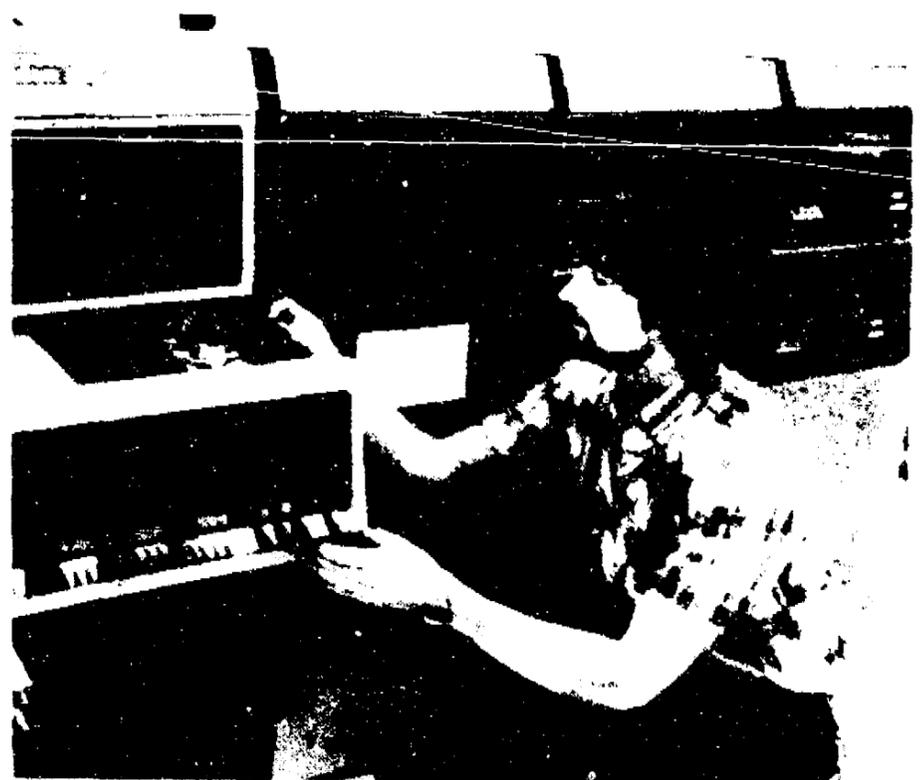
Students will enhance their technical skills through the techniques gained in this course. Developing insight using demonstrations, video tape, role playing and interaction, the student will be guided in a curriculum which builds a value added attitude for customer service personnel. Skills learned will include controlling ourselves, influencing others, dealing with feelings and behaviors. The focus will be on customer satisfaction and that of the employee as their technical skills are provided in service delivery occupations

## EMERGENCY MEDICAL TECHNOLOGY (EMT 55)

**EMT 189. STUDY PROBLEMS IN EMERGENCY MEDICAL TECHNOLOGY** ..... 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.



## 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 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 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 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 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 181. BLACK LITERATURE** ..... 3 credit hours

A critical analysis of Black emotions in the world of literature with the goal of raising the level of Black consciousness. Introduction to contemporary Black literature, letters and thought.

**ENG 189. STUDY PROBLEMS IN ENGLISH** ..... 1-8 credit hours  
Prerequisite: Consent of instructor

Directed activities in English. These activities are individualized. A special project is assigned. (Hours arranged)

**ENG 222. AMERICAN LITERATURE II** ..... 3 credit hours

A continuation of American Literature 211, covering the period from the Civil War to the present. Relates trends of the period to problems and writings occurring before the Civil War.

**ENG 224. WORLD LITERATURE II** ..... 3 credit hours

A continuation of World Literature 213. Explores some of the great literary experiences since the Renaissance with attempts to show how they have contributed to our present cultural heritage.

**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.

## FIRE PROTECTION (FP 79)

**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.

## 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 226. PNEUMATICS** . . . . . 3 credit hours

Basic air systems as a control medium in industrial applications such as presses, clamps, transfer devices, etc. Valves, cylinders, motors, compressors, regulators, filters and other power components included. (4 hours per week)

## FRENCH (FRN 18)

**FRN 120. BEGINNING CONVERSATIONAL FRENCH I** . . . . . 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.

**FRN 189. STUDY PROBLEMS IN FRENCH** . . . . . 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in French. These activities are individualized, and special aspects of the French language or culture are studied. (Hours arranged)

## GENERAL STUDIES (GS 15)

**GS 120. CONVERSATIONAL RUSSIAN** . . . . . 2 credit hours

Designed to be a short term, seven week, non-sequential conversational course. It is intended for those interested in basic and essential aspects of the Russian language and culture for the purpose of travel and enjoyment. The writing system, useful everyday expressions, and current topical informational items are studied. No prerequisite is necessary.

**GS 189. 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)

## 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.)

**GLG 103. FIELD GEOLOGY** . . . . . 3 credit hours

Geology taught in the field. Study processes and land forms that have formed or are forming the landscape in the Ann Arbor area carried out on weekly afternoon field trips.

**GLG 104. WEATHER** . . . . . 3 credit hours

Atmospheric processes and phenomena that produce the day-to-day weather changes experienced throughout the world. Emphasis on empirical observation of cloud type, development and movement as well as weather map interpretation and analysis to learn elementary weather forecasting techniques will be combined with field trips.

## 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 typography use in 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. Visiting lecturers and field trips are periodically scheduled. (2 hours per week)

**GDT 112. GRAPHIC COMMUNICATION** . . . . . 4 credit hours

Prerequisite: GDT 100, ART 112

Coverage of methods in visual communication, ideation, visual perception and problem solving techniques make up coursework. Exercises explore word-picture-abstract design, visual thinking and communication theories. (6 hours per week)

**GDT 113. PRINCIPLES OF PRODUCTION** . . . . . 4 credit hours

Prerequisite: GDT 100

Art production mechanics and techniques including keylining, page formatting, camera ready art preparation focuses on industry related assignments (6 hours per week)

**GDT 114. PUBLICATION LAYOUT** . . . . . 4 credit hours

Prerequisite: GDT 112, 113

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 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 115. MEDICAL OFFICE AND LABORATORY PROCEDURES**.....3 credit hours

Prerequisite: HS 113 or equivalent

Course consists of lecture on office examining room procedures, sterile technique, medical emergencies, specimen collection and minor surgery. Laboratory experience course material from the lectures.

**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 220. 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)**

**HTG 109. REVIEW FOR BOILER EXAMINATIONS** 3 credit hours

Prerequisite: Employed operating boilers or consent

Reviewing major units of boiler operations and refrigeration which will assist operators in passing the licensing examination for Boiler Operator, High Pressure, Third Class, and for Third Class refrigeration operator.

*Note: 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. Membership in the Educational Society of the Refrigeration Service Engineers (RSSE) is required. Initiation fee and dues are approximately \$45. Consent of advisor is required for registration.*

**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 160. AMERICAN FILM**.....3 credit hours

(See HUM 160)

Development of American cinema from its beginnings in 1896 to the present. The films, viewed in class, are discussed in terms of film techniques as well as in terms of content. Relates cinema to themes in American culture.

**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 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.

**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 160. AMERICAN FILM**.....3 credit hours

(See HST 160)

Development of American cinema from its beginning in 1896 to the present. The films, viewed in class, are discussed in terms of film techniques as well as in terms of content. Relates American cinema to themes in American culture.

**INDUSTRIAL DRAFTING (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 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 114. INDUSTRIAL DRAFTING**.....4 credit hours

Prerequisite: ID 111 Industrial Drafting or equivalent

Practices and procedures for preparing assembly drawings from given details. An introduction to types of dies and their representation. Emphasis on use of standard part catalogs. (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 221. CAD APPLICATION — MECHANICAL** ..... 4 credit hours

Prerequisite: ID 219 2-D CAD Planning and Drawing

Mechanical detailing and preparation of elementary assemblies of machine tools and parts as created on a CAD station using 3-D database capability. (6 hours per week)

**ID 230. ADVANCED PRODUCT DRAFTING** ..... 4 credit hours

Prerequisite: ID 107 Mechanisms and ID 111 Industrial Drafting or consent

Development of a machine from conception through design and layout stages to the preparation of working drawings. Emphasis on preparation of a layout drawing incorporating maximum of commercially available components, fastening techniques, use of standard and special methods, keeping maintenance of the machine as a design criteria. (6 hours per week)

**INTEGRATED MANUFACTURING (IM 38)**

**IM 212. ROBOTICS II** ..... 4 credit hours

Prerequisite: Robotics I

This class will be primarily a hands-on experience. Work on hydraulics, pneumatic, and electronic devices will be performed by the student. Basic design in pneumatic and electronic circuitry will be stressed.

**INTERNSHIP-EXTERNSHIP (IE 44)**

**IE 200. INTERNSHIP-EXTERNSHIP** ..... 2-6 credit hours

To be assigned prior to registration

Prerequisites: 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.

**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.

**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 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 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 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 035. 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 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 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 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 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 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 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 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 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 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 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 189. STUDY PROBLEMS IN MUSIC** ..... 1-8 credit hours

Prerequisite: Consent of instructor

Directed activities in Music. These activities are individualized. (Hours arranged)

**MUS 204. VOICE** ..... 2 credit hours

Vocal techniques in depth. An extension of Introduction to Voice.

**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 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. 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 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

**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 121. MANUAL PROGRAMMING AND NC TOOL OPERATION** . . . . . 3 credit hours

Prerequisite: NC 100, MT 111, 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 compensation, 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 130. PARENT-CHILD NURSING PRACTICE** . . . . . 3 credit hours

Prerequisite: NUR 120 and 125. Corequisite: NUR 135

Clinical experience in obstetric and pediatric units of the hospital to develop skills in caring for parents and children. (18 hours per week, 8 weeks)

**NUR 133. PHARMACOLOGY III** . . . . . 2 credit hours

Prerequisite: NUR 111 and 122

Continued study of drug action, uses and effects, with emphasis on body systems.

**NUR 135. PARENT-CHILD NURSING THEORY** . . . . . 3 credit hours

Prerequisite: NUR 120 and 125. Corequisite: NUR 130

Study of the nursing care of mothers during the reproductive cycle, the care of the newborn and the care of ill children. (8 weeks)

**NUR 140. ADVANCED MEDICAL-SURGICAL NURSING PRACTICE** . . . . . 3 credit hours

Prerequisite: NUR 121 and 126. Corequisite: NUR 145

Provides for the practice of nursing skills including the administration of medications and assisting in the teaching of patients preparing for discharge from the health care agency. (23 hours per week, 6 weeks)

**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 145. ADVANCED MEDICAL-SURGICAL NURSING THEORY** . . . . . 2 credit hours

Prerequisite: NUR 121 and 126. Corequisite: NUR 140

Study of medical-surgical problems in the specialty areas. Prepares the student for the role of the practical nurse, including legal and ethical implications. (6 weeks)

**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 250. MENTAL HEALTH NURSING  
CLINICAL PRACTICE**..... 2 credit hours

Corequisite: NUR 255  
Application of mental health nursing concepts developed in NUR 255. includes hospital and community situations. The student will have experience with current methods of prevention, maintenance and treatment.

**NUR 255. MENTAL HEALTH NURSING**..... 3 credit hours

Prerequisite: Successful completion of all Nursing Level I courses and first semester Level II courses. Corequisite: NUR 250  
Development of knowledge and skills necessary to provide basic mental health nursing care to selected clients in hospital or community settings who demonstrate common mental health problems. The central focus will be to help the student become more sensitive to human behavior and to use himself/herself in a therapeutic manner. Prevention of mental illness, and maintenance and restoration of mental health will be discussed.

**NUR 200. 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 102. DRUG DISTRIBUTION SYSTEMS  
AND PROCEDURES**..... 3 credit hours

Prerequisite: PHT 100 or permission  
Methods of drug preparation, packaging and distribution in the hospital and community pharmacy setting will be presented. The specific duties and responsibilities of the technician will be emphasized. The course will consist of two lecture hours and four laboratory hours each week.

**PHT 105. PREPARATION OF MEDICATIONS**..... 2 credit hours

Dosage forms and routes of drug administration will be discussed, including the rationale, techniques and potential problems of each. The course also includes the basic principles, equipment and techniques involved in the preparation of sterile products.

**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 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 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 112. DARKROOM TECHNIQUES**..... 5 credit hours

Prerequisite: PHO 111; Corequisite: PHO 113  
Development of skills needed by technicians in commercial and other types of darkrooms used in business and industry. All major phases of darkroom work including film processing, print making, photographic supplies, handling and equipment maintenance practiced. (7 hours per week)

**PHO 113. STUDIO TECHNIQUES**..... 3 credit hours

Corequisite: PHO 112  
Specialized instruction in large format photography under controlled lighting situations. Use of various types of lights emphasized along with lighting for various situations (4 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-erase color print correction techniques (4 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 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.

**PHO 231. PORTFOLIO SEMINAR**..... 2 credit hours

Prerequisite: Consent  
Development of materials and samples to be presented for employment. Professional critiques conducted and evaluations made. Offered Spring term only. (4 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 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 122. GENERAL PHYSICS II** ..... 4 credit hours

Prerequisite: PHY 111

A continuation of Physics I with topics including magnetism, electricity, light and atomic energy. (3 hours lecture and 3 hours open 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 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 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 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.

**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 097. REGISTRY REVIEW** ..... 1 credit hour

Assists graduates of the Radiography Program to prepare for the Registry Examination.

**RAD 100. INTRODUCTION TO RADIOGRAPHY** ..... 2 credit hours

Prerequisite: Admission to the Radiography Program

The history of radiography, medical specialties, health care delivery, organizational structure of a radiology department, professional development and ethics will be covered. Introductory course for the beginning radiographer with emphasis on acquainting the student with the goals, philosophies and organizations of the radiography program and radiology department. (4.2 hours per week, 7 weeks)

**RAD 101. METHODS OF PATIENT CARE** ..... 2 credit hours

Prerequisite: Admission to the Radiography Program

Designed to teach the radiographer how to interact with the patient, to provide for his or her physical and emotional needs, how to assist in moving patients by using various transfer methods. Some lab practice in basic techniques such as taking vital signs, blood pressure and airway management. (4.2 hours per week, 7 weeks)

**RAD 130. CLINICAL EDUCATION I** ..... 2 credit hours

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 and demonstrate

knowledge of the components and operational characteristics of the microscope and (32 hours per week, 7 weeks)

**RAD 135. PATHOLOGY FOR RADIOGRAPHERS**.....2 credit hours  
A survey of basic pathology. A study of the disease process and how various diseases alter the appearance and function of human organisms. Includes infectious diseases, tumors, chemical injuries and the conditions of fitness involving the systems of the body. (42 hours per week)

**RAD 148. CLINICAL EDUCATION**.....2 credit hours  
Continuation of Clinical Education 130; demonstrate knowledge of orthopedic radiography. (32 hours per week, 7 weeks)

**RAD 248. CLINICAL EDUCATION**.....2 credit hours  
Continuation of Clinical Education 130; demonstrate knowledge of orthopedic radiography. (32 hours per week, 7 weeks)

## READING (RDG 25)

### READING CENTER

The Reading Center (SC 307) 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 048. 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 088. PARENTS: CHILDREN'S READING**.....2 credit hours  
Designed for parents who are concerned about their children's reading. Special attention given to methods for preparing preschoolers for reading using the home as a learning environment. Also focuses on reading-related home and school problems. (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 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 047.

**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.

**RDG 188. STUDY PROBLEMS IN READING**.....1-8 credit hours  
Prerequisite: Consent of instructor  
Directed activities in Reading. These activities are individualized. Hours arranged.

## 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 124. BASIC CONTROLS**.....5 credit hours  
Prerequisite: RAC 111 and consent, RSES membership required

The first in a series of courses designed to provide a sound understanding of the principles and applications of electricity in refrigeration and air conditioning service, providing the essentials of the major objectives: reading and understanding complex electrical drawing, wiring diagrams and the schematics associated with refrigeration/air conditioning controls. Safety included and emphasized. (5 hours per week)

**RAC 213. AIR CONDITIONING**.....5 credit hours  
Prerequisite: RAC 122 or consent, RSES membership required

Covers the operating principles of modern mechanical equipment and troubleshooting approaches to these systems. Units covered are air conditioning generally, psychrometric charts, insulation in air conditioning, thermostatic and pneumatic controls, heat pumps, room air conditioning units, heating and cooling systems and equipment, ducts and grills, blowers and fans, air filters, safety, first aid and codes. (5 hours per week)

## RESPIRATORY THERAPY (RTH 54)

**RTH 122. RESPIRATORY PHYSIOLOGY**.....2 credit hours  
Prerequisite: BIO 111 and RTH 106

For respiratory therapy students only; an in-depth study of the anatomy and physiology of the respiratory system and the diseases that affect it.

**RTH 123. RESPIRATORY PATHOPHYSIOLOGY**.....3 credit hours  
Prerequisite: BIO 111, RTH 122

To be taken concurrently with Respiratory Physiology 122. Intended for respiratory therapy students only. The study of the causes, treatment and assessment of respiratory disorders and other diseases treated by the respiratory therapist.

**RTH 148. PHARMACOLOGY FOR RESPIRATORY THERAPISTS**.....2 credit hours  
Prerequisite: BIO 111

A survey of drugs used to treat disease with emphasis on drugs commonly used to treat cardiopulmonary disorders.

**RTH 149. PATHOLOGY FOR RESPIRATORY THERAPISTS**.....3 credit hours  
Prerequisite: BIO 111

A survey of anatomical pathology including inflammation, infection, tuberculosis, viral disease, poisons, tumors, cardiovascular disease, shock and diabetes.

**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; mangement, teaching, cardiognostics, 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 Gantz catheterization, echocardiography, stress tests, EKG interpretation, etc.

**RTH 217. SEMINAR—RESPIRATORY THERAPY** . . . . 2 credit hours

Discussion of current problems, credentialing systems, job attainment skills, psychological assessment of patients, teaching and management techniques.

**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 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 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/7½ week course.)

**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.)

**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 189. STUDY PROBLEMS IN SOCIOLOGY . . . . . 1-8 credit hours**

Prerequisite: Consent of instructor

Directed activities in Sociology. These activities are individualized. A specific problem/issue is studied, or a special project is assigned. (Hours arranged)

**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 211. DEATH AND DYING . . . . . 3 credit hours**

This course is a study of social and social-psychological aspects of death and dying. Topics center on policies, practices and principles related to the socio-cultural attitudes and meanings of death and dying, personal responses: dying experience and coping, survivor's grieving process, death denial and preparation. The societal responses are also studied: institutional practices, caring for the dying, burial practices and the funeral industry, psychosocial functions of the funeral, economic aspects of dying, professional care-givers role.

**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 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 122. FIRST YEAR SPANISH II . . . . . 4 credit hours**

Prerequisite: SPN 111 or equivalent

Continuation of Spanish 111. Emphasis on the spoken form and on the cultures of Latin American countries and Spain

**SPEECH  
(SPH 23)**

**SPH 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.

**SPH 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.

**SPH 140. VOICE IMPROVEMENT FOR BUSINESS AND PROFESSION . . . . . 1 credit hour**

An introduction to contemporary scientific and linguistic theory of the human speaking voice. A basic method for the improvement of the individual's speaking voice for business conversation. The new and unique qualities of the human speaking voice as it must be controlled for effective use on the microphone and telephone.

**SPH 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.

**SPH 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)

**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 231. INTRODUCTION TO SCIENTIFIC ILLUSTRATION . . . . . 2 credit hours**

An introduction to scientific illustration: includes a technique for accurate drawing (vs. freehand sketch) as well as overview of different rendering styles. (3 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 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. WELDING (SPECIALIZED)** ..... 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 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.

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**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 June 3, 1985 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.

# CREDIT-FREE CLASSES

## CONTINUING EDUCATION SERVICES

(973-3516)

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, clerical staff, or any groups with specific needs in management, finance, interpersonal development, office management, or clerical skills. Retirement planning, employee motivation, communications skills, 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:

Fees for non-credit offerings are calculated for each person. Fees listed include total number of sessions for each workshop.

Registrations must be prepaid to guarantee a place in the class and are accepted on a space available basis. Any offering or class is subject to cancellation due to insufficient prepaid 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 refund may be made by phone or in person at the Continuing Education Services Office. A check covering your refund will be sent to you within four to six weeks.

Registration for any Continuing Education Services workshop can be taken by mail using the coupon, or in person at the Continuing Education Services Office (LA100). For more information on registration, please call 973-3516

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 business, 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)

"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.

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### AGRIBUSINESS

Agribusiness classes are offered to the small or weekend farmer interested in the economics of agricultural issues. They are co-sponsored with the Cooperative Extension Service of Washtenaw County.

### SELLING WHAT YOU GROW . . . . . 3 weeks

Thursdays beginning May 22 • 7:00 p.m.-9:00 p.m. • Instructor: Bill Casello • Fee: \$20.00

This course is aimed at small and part-time growers. It is co-sponsored with the Cooperative Extension Service of Washtenaw County. We will

acquaint you with various options available in direct marketing of fruits and vegetables, and look at community farmer's markets, u-pick operations, wholesaling to local restaurants and stores, and traditional roadside stands. The instructor, Bill Casello, Cooperative Extension Agent, specializes in marketing for small growers. AGB 660-001

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### BEYOND THE TYPEWRITER: THE OFFICE PROFESSIONAL

This series of seminars is designed to give office workers the opportunity to increase their knowledge and sharpen their skills for their personal satisfaction and on-the-job effectiveness. Enrollment is limited, so register early.

Continuing Education Units (CEUs) will be awarded to those who attend. The CEU is a national measurement unit used for recording, transferring, and gaining recognition for one's participation in non-degree learning experiences.

If you are interested in having any of these seminars scheduled at your business or organization, please contact Continuing Education Services, (313) 973-3616

#### ABC SPEEDWRITING ..... 8 weeks

Tuesdays beginning May 6 • 6:30 p.m.-9:30 p.m. • Instructor: Lilli Kivisto • Fee: \$125.00

Alphabet speedwriting is a word shorthand for business or personal use. It employs the characters of the alphabet instead of strange symbols. Reports, notes, and conversations can be reported swiftly and accurately. ABC shorthand is invaluable for the student, business or professional person, or it can be used by the professional secretary to upgrade skills to prepare for advancement. Presenter Lilli Kivisto, M.A., is a Certified Professional Secretary, and teaches business courses for colleges and adult education programs. (2.4 CEUs) SOS 570 001

#### SHORTHAND REFRESHER ..... 6 weeks

Mondays beginning May 12 • 6:30 p.m.-8:30 p.m. • Instructor: Betty Schwartz • Fee: \$80.00

This refresher reviews and strengthens shorthand principles with the main emphasis on improvement of shorthand speed. Call 973-3616 for the name of the textbook to be used. The instructor, Betty Schwartz, has an M.A. in business education. She is a secretarial instructor at Washtenaw Community College and teaches business courses for adult education programs of the Ann Arbor Public Schools. (1.2 CEUs) SOS 550 001

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### ENTREPRENEURIAL AND SMALL BUSINESS MANAGEMENT SEMINARS co-sponsored with THE YPSILANTI CHAMBER OF COMMERCE

The following seminars are designed for current or potential entrepreneurs. The seminars are co-sponsored by the National Small Business Training Network, the Office of Economic Development, the Michigan Department of Commerce, and the Small Business Administration.

#### FUNDAMENTALS OF ACCOUNTING AND FINANCE FOR NON-FINANCIAL MANAGERS ..... 6 weeks

Tuesdays beginning May 13 • 7:00 p.m.-9:00 p.m. • Instructor: Kevin Silvia • Fee: \$125.00

This course provides the basic financial skills every manager needs, regardless of functional area. Special emphasis is given to showing how financial tools can be used in day-to-day decisions. Participants will learn to read and interpret financial statements, use cost-accounting principles in their analysis, make financial decisions confidently, use financial reports and analyses to develop a management plan, and accurately evaluate a company's financial condition. Course leader, Kevin Silvia, is an accounting and management instructor at Washtenaw Community College and other local universities. (1.2 CEUs) SBM 625 001-AMA

#### LEADERSHIP SKILLS FOR EXECUTIVES/MANAGERS ..... 6 weeks

Wednesdays beginning May 14 • 7:00 p.m.-9:00 p.m. • Instructor: Robert Paulson • Fee: \$125.00

Designed for executives and managers who want consistent, winning performance from their employees. Participants will learn to develop a

personal effective leadership style that inspires loyalty, motivates employees, and handles conflicts. You will explore the many approaches to leadership and set appropriate achievement targets. Course leader Robert Paulson, M.S., teaches college level management and communication courses. He also has extensive experience in leadership practices for national organizations, boards of directors and the Air Force. (1.2 CEUs) SBM 760 001-AMA

#### SMALL BUSINESS FORMATION ..... 2 weeks

Thursdays beginning May 15 • 7:00 p.m.-9:00 p.m. • Instructor: Mark Ouimet • Fee: \$35.00

Are you planning to start a small business? What form is best for you? How do you begin to put together a business plan? What are the pros and cons of starting a business from scratch vs. taking over an existing operation? These questions will be addressed, along with a discussion of the necessary paperwork and procedures to be followed. Also, learn what to look for when selecting an attorney or accountant who will meet your needs. Presenter Mark Ouimet is vice-president and director of business development at Great Lakes Federal Savings. SBM 505 001

#### BUSINESS PLAN: BLUEPRINT TO SUCCESS ..... 1 week

Tuesday, May 20 • 7:00 p.m.-9:30 p.m. • Instructor: Anthony Comazzi • Fee: \$25.00

For anyone starting in business or expanding his business, a good business plan is essential. This seminar outlines the process of developing a plan, its relationship with other strategies and operating plans, and what each section of the plan should contain. Presenter Anthony Comazzi, M.B.A., was a vice-president for sales and marketing in two high tech companies and is a business consultant in marketing, sales, planning, and management. SBM 585 001

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### BUSINESS FOR BREAKFAST

Washtenaw Community College, in cooperation with the Ypsilanti Area Chamber of Commerce, presents management training for local entrepreneurs. Workshops will be held at the Ypsilanti Chamber of Commerce, 11 North Adams Street, Ypsilanti. Coffee and doughnuts are served.

#### CONFLICT MANAGEMENT IN THE WORKPLACE ..... 1 week

Wednesday, May 14 • 7:30 a.m.-9:30 a.m. • Instructor: Terri White • Fee: \$20.00

Conflict is inevitable in a changing world. This workshop covers the benefits and detriments of dealing directly with conflict, how conflict and change interact, the five styles of dealing with conflict and when to use each style, and the process of negotiating with peers, superiors, and subordinates. Presenter Terri Atkin White is a management consultant and the director of Atkin White Associates. She conducts workshops on stress, conflict and change. RFB 665 001

#### PROBLEM SOLVING/DECISION MAKING ..... 1 week

Wednesday, May 28 • 7:30 a.m.-9:30 a.m. • Instructor: Phyllis Grummon • Fee: \$20.00

Recognize and deal with personal problems before they reach the crisis stage. This seminar will introduce you to problem-solving techniques that enable you, as an individual and a member of a small group, to make decisions. You will learn a problem solving model that can be applied to any size or intensity of problem. Presenter Phyllis Grummon, PhD, is the owner of Haight Associates, a consulting firm to business and industry. BFB 660 001

#### BECOME A BETTER COMMUNICATOR ..... 1 week

Wednesday, June 4 • 7:30 a.m.-9:30 a.m. • Instructor: Kenneth Jones • Fee: \$20.00

Being able to communicate effectively is essential for success in the business world. Learn what the process of communication is, what some of the barriers to effective communication are, and how they can be overcome. You will also learn how to avoid being manipulated, how to give useful and accurate feedback, how to actively listen, and how to use communication techniques in managing conflicts. Presenter Kenneth Jones is the president of Kenneth Jones and Associates Human Resource Consulting. BFB 700 001

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### PROFESSIONAL DEVELOPMENT: MANAGEMENT SKILLS

Effective management demands the application of specific skills and techniques. The following seminars are designed to provide techniques and strategies that contribute to successful management. Participants can be individuals in or seeking management positions.

Washtenaw Community College also extends its services to organizations and agencies. Any of these seminars can be adapted to meet particular employee/training needs. Your employees can attend the classes at the College, at your organization, or at other convenient locations. For more information call (313) 973-3616

#### **BUILDING A PROFESSIONAL IMAGE** ..... 1 week

Thursday, May 29 • 6:30 p.m.-9:30 p.m. • Instructor: Irene Bushaw • Fee: \$25.00

For working women who have a closet full of clothes and nothing to wear, this three hour workshop will teach you to create looks in clothing, make-up, and accessories that are especially enhancing to your color type. Learn how to recognize your figure proportions and select styles that flatter rather than fail. Presenter Irene Bushaw, M.A., has a background in art and education, has guested as a color consultant on Kelly and Company and WKAR, and owns a franchise of Color I Associates, a national color and wardrobe consulting company. PDM 680 001

#### **THE ART OF MANAGERIAL INFLUENCING** ..... 1 week

Monday, June 9 • 6:00 p.m.-10:00 p.m. • Instructor: Neil Simon • Fee: \$30.00

Many demands are placed upon you as a businessperson to "get the job done": planning, organizing, staffing, and controlling. The key to success is INFLUENCING — winning people over to your way of thinking with a minimum of conflict, resistance, or dissension. You are called upon to influence others when you manage subordinates, manage superiors, and, more often than not, "manage" peers. This seminar will provide you with ways to structure situations in order to get your way, evaluate situations for influence strategies, resolve conflict, and maintain win-win relationships. Presenter Neil Simon, M.A., is a consultant in management skill development and corporate environment development to business and the health care industry. PDM 730 001

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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 May 17 and June 14.

#### **REAL ESTATE FUNDAMENTALS** ..... 5 weeks

Mondays and Wednesdays, beginning May 5 • 6:00 p.m.-10:00 p.m. • NCI Associates, Ltd. • Fees: \$75.00 tuition and \$30.00 materials and texts

Designed for those preparing for the Michigan Real Estate Salesperson's 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. The fee includes all materials. Instructors are licensed realtors and are employed by NCI Associates, Ltd., a private vocational school specializing in real estate courses. RES 520 001

#### **BUYING AND SELLING REAL ESTATE FOR FUN AND PROFIT** ..... 1 week

Saturday, May 17 • 9:00 a.m.-12:00 p.m. • Instructor: Jack Waller • Fee: \$20.00

Ideal to introduce the non-expert to the processes involved in buying and selling real estate. Learn about purchase agreements, closing costs, property presentations, realtor services, financing, renting vs. buying,

types of investments and more. This seminar is a good introduction for those who expect to become involved in a real estate transaction. The presenter, Jack Waller, is a realtor and vice-president of NCI Associates, Ltd., a private school specializing in Real Estate courses. RES 540 001

#### **REAL ESTATE CONTINUING EDUCATION — 1986-1987** ..... 1 week

Friday, May 30 • 9:00 a.m.-4:00 p.m. • Instructor: Jack Waller • Fee: \$20.00

Certified and required by the Department of Licensing and Regulations for all real estate licensees, this course fulfills 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

#### **WHAT YOU SHOULD KNOW ABOUT BUYING CONDOMINIUMS AND CO-OPS** ..... 1 week

Tuesday, June 10 • 6:30 p.m.-9:30 p.m. • Instructor: Mary LeDuc • Fee: \$25.00

This course is designed to acquaint participants with the organizational and financial aspects of condominium and cooperative living. Emphasis will be placed on development of an organizational chart to explain how Association decisions are made and how the individual unit owners are affected by joint decisions. A focus will also be made on financial details surrounding Association finances, and what fee potential purchasers should look for before making a firm offer to purchase. Finally, a detailed review will be made of a typical sales offer and the various documents and paragraphs that should reasonably be included as part of the closing process. Presenters Bruce Larson and Mary LeDuc are associate brokers of Triad Realty Associates, a firm specializing in condominiums and cooperatives. Mr. Larson is also vice-president of Triad and the former national director of the Foundation for Cooperative Housing in Washington, D.C. Ms. LeDuc has been a closing officer for two local real estate companies and is a principal in Real Estate Accounting Services, a firm specializing in the accounting and tax aspects of real estate investment. RES 560 001

#### **REAL ESTATE FUNDAMENTALS** ..... 5 weeks

Mondays and Wednesdays, beginning June 23 • 6:00 p.m.-10:00 p.m. • NCI Associates, Ltd. • Fee: \$75.00 tuition and \$30.00 materials and texts

Designed for those preparing for the Michigan Real Estate Salesperson's 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. The fee includes all materials. Instructors are licensed realtors and are employed by NCI Associates, Ltd., a private vocational school specializing in real estate courses. RES 520 002

## 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.

#### **ESTATE PLANNING** ..... 1 week

Wednesday, May 7 • 7:00 p.m.-9:00 p.m. • Instructor: Gary Allen • Fee: \$20.00

An overview of wills, trusts, joint property, insurance and other tools used in your estate plan. Includes a discussion of guardians, durable powers of attorney, living wills, and estate planning costs. The instructor, Gary Allen, is a practicing attorney and an experienced speaker. IFF 545 001

## FINANCIAL PLANNING

Thursdays, beginning May 8 • 7:00 a.m. - 9:00 a.m. • Instructor: Tom Rabaut • Fee: \$65.00

A consumer-oriented seminar to assist you in the development of your own comprehensive personal financial plan. Learn the techniques used by successful investors to maximize the potential of your invested assets. Learn the keys to making your money work more effectively and protect you from the ravages of inflation and taxes. The instructors, Thomas Rabaut and Paul D. Reine, are members of Financial Review Systems, a local financial planning firm. Course materials are included in the registration fee. (FF 505.00)

## INVESTING IN MUTUAL FUNDS

Tuesday, May 20 • 7:00 p.m. - 9:00 p.m. • Instructor: John Nixon • Fee: \$20.00

What are mutual funds? This class will give a description of mutual funds and the type of mutual funds available. Find out how mutual funds can provide professional money management for the small investor and how they can help you realize your financial goals. We will discuss not only limited to money market funds, municipal bond funds, growth funds, and higher yield funds. The instructor is John Nixon, financial adviser, E.F. Hutton & Company. Mr. Nixon has led many financial seminars. (FF 526.00)

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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.

## PERSPECTIVES IN HEALTH, NUTRITION AND WEIGHT LOSS

Thursdays, beginning May 8 • 7:00 a.m. - 9:00 a.m. • Instructor: Susan Weiss • Fee: \$40.00

Participants will explore the principles of nutrition and sensible weight loss. They will learn to separate facts from facts and fallacy concerning fact. Class will be taught by Susan Weiss, M.S., local nutritionist. (WOS 645.00)

## COMMUNICATION AND MANAGEMENT SKILLS FOR THE WOMAN SUPERVISOR

Tuesdays, beginning May 13 • 7:00 p.m. - 9:00 p.m. • Instructor: Jacqueline Allen, M.A. • Fee: \$50.00 for all four sessions; \$15.00 individual session.

Today's manager is constantly evaluated by the quality of her staff. As a woman in management, you are not only required to know how to effectively work with and develop your staff, you are also required to be keenly aware of your personal strengths. The following workshops will help you develop strategies that will utilize all of your professional skills as a supervisor. As a participant you will learn how to:

- excel in the work environment
- utilize your strengths in your own position
- express your ideas so that you are listened to
- offer criticism without feeling guilty
- motivate your staff as well as yourself

WOS 675.001 (all 4)

### Session I: CHANGES IN WOMEN'S WORK ROLES

- What the corporate culture expects of you
- Analyze your supervisory role and your leadership style
- Women in the workplace: your role today and your role yesterday

WOS 676.001 (individual)

### Session II: EFFECTIVE COMMUNICATION SKILLS

- Art of clear communication
- Getting people to open up to you

WOS 676.002 (individual)

### Session III: WORKING WITH DIFFICULT PEOPLE

- Dealing with resistance
- Building trust and credibility
- Establishing the win-win environment

WOS 676.003 (individual)

## Session IV: BUILDING TEAMWORK

- Managing conflict
- Learning to work together
- Improving productivity

WOS 676.004 (individual)

## INTRODUCING THE COMPUTER: A WORKSHOP FOR WOMEN

Monday, May 11 • 9:00 a.m. - 12:00 p.m. • Instructor: Susan Kay • Fee: \$25.00

If you are intimidated by computers and you are not sure that you can learn to use the computer, this workshop is for you. You will learn the basics of the computer, how to use the keyboard, how to use the mouse, and how to use the computer to do things like send mail, use word processing, and use spreadsheets. Susan Kay, instructor at the University of Michigan, will be your instructor. (WOS 525.00)

## MOTORCYCLE SAFETY

Section 1 — Mondays, Tuesdays, Wednesdays, Thursdays (2 weeks) beginning May 25 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

Section 2 — Mondays, Tuesdays, Wednesdays, Thursdays (2 weeks) beginning May 25 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

Section 3 — Saturdays and Sundays (2 weeks) beginning May 27 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

Section 4 — Mondays, Tuesdays, Wednesdays, Thursdays (2 weeks) beginning June 1 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

Section 5 — Saturdays and Sundays (2 weeks) beginning June 2 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

Section 6 — Saturdays and Sundays (2 weeks) beginning July 1 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

Section 7 — Saturdays and Sundays (2 weeks) beginning July 1 • 9:00 a.m. - 12:00 p.m. • Fee: \$25.00

The Motorcycle Rider Course is offered to students who have the prior previous training or experience riding a motorcycle on the public roads. The course assumes the student has received a motorcycle license and takes the form of a necessary advanced riding techniques such as emergency braking, counter-steering, turning, wheel control, crossing obstacles, etc. or travelers carrying passengers. **NOT NEED A MOTORCYCLE** - One will be provided for you. The course you will need the following items: goggles, a protective boots or shoes, knee pads, gloves, helmet, and a valid Michigan driver's license. **PROOF OF MEDICAL INSURANCE MUST BE BROUGHT TO THE FIRST CLASS SESSION**. A certificate will be given by the Motorcycle Safety Foundation.

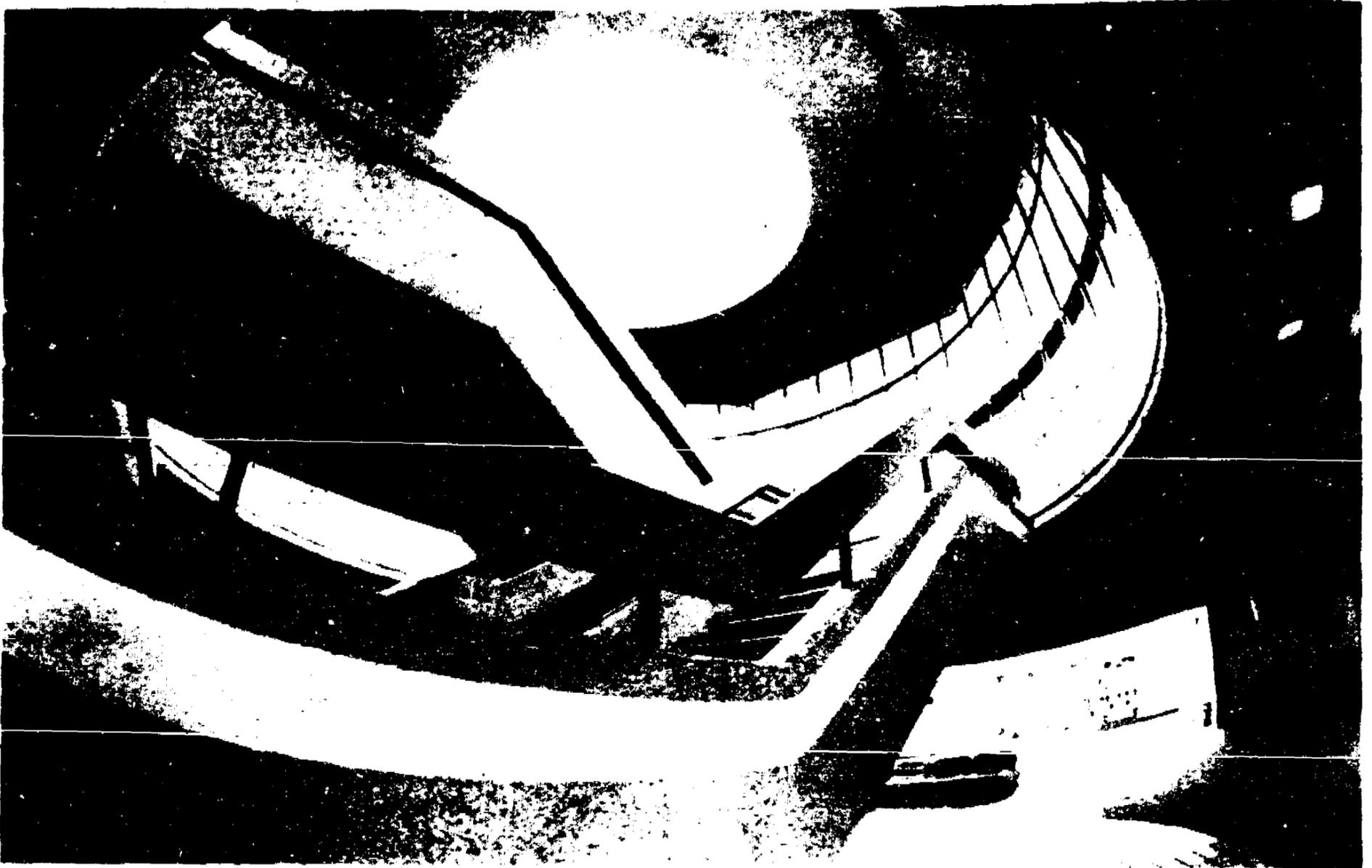
Note: Under Michigan Law, individuals age 16 and older, others not able to pass the Secretary of State's Motor Vehicle Safety Test, are required to complete and pass the course. A certificate will be given to those students who successfully complete the course.

## BETTER BIKING

Section 1 — Saturday, June 14 • 9:00 a.m. - 12:00 p.m. • Instructor: Bill Meyer • Fee: \$25.00 (WOS 530.00)

Section 2 — Sunday, July 27 • 9:00 a.m. - 12:00 p.m. • Instructor: Bill Meyer • Fee: \$25.00 (WOS 530.00)

If you are currently riding your own motorcycle, you are probably aware that it takes special riding skills and training to be on the public roads. Many experienced riders have been riding on public roads and have never had occasion to test their skills, taking a course that will help you to avoid a dangerous situation. And many have never had occasion. This course gives the experienced riders many occasions to perform several exercises on their own motorcycles, and learn a few basic and several advanced riding techniques. This one-day course will increase awareness and skill level in handling on-the-street situations. You will need your own motorcycle, helmet, gloves, over-the-ankle boots or shoes, long sleeve jacket, pants, and a valid Michigan driver's license. You must also have proof of medical insurance.



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 DETACH AND MAIL

**ENROLLMENT COUPON**

**CONTINUING EDUCATION SERVICES**

**Washtenaw Community College**  
 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 CALENDAR

### SPRING SESSION 1986

- April 7-11** Telephone registration for continuing students—weekday hours are 8:30 a.m. to 8:00 p.m. except on April 11, when the hours will be 8:30 a.m. to 4:00 p.m.
- April 7-16** Payment period for telephone registrations—weekday hours are 8:30 a.m. to 4:00 p.m. except on April 10, 14 and 16, when the hours will be 8:30 a.m. to 8:00 p.m.
- April 9-11** Orientation sessions for new students who applied for admission by March 15. For information, call 973-3464.
- April 21 - May 2** Orientation sessions open to all new students. For information, call 973-3464.
- April 21 - May 2** On-campus registration—weekday hours are 8:30 a.m. to 8:00 p.m. except on April 25, 28, 29, 30 and May 2, when the hours will be 8:30 a.m. to 4:00 p.m.
- May 5** **Spring and Spring/Summer classes begin**
- May 5-7** Orientation sessions for all new students. For information, call 973-3464.
- May 5-7** On-campus late registration, drop/add period—weekday hours are 8:30 a.m. to 8:00 p.m.
- May 26** Memorial Day holiday—College closed.
- June 20** **Spring classes end**
- June 23** Grades due

### SUMMER SESSION 1986

- June 16-20** Orientation sessions for all new students. For information, call 973-3464.
- June 16-20** On-campus registration—weekday hours are 8:30 a.m. to 4:00 p.m. except on June 19, when the hours will be 8:30 a.m. to 8:00 p.m.
- June 23** **Summer classes begin**
- July 4** Independence Day holiday—College closed.
- August 8** **Spring/Summer and Summer classes end**
- August 11** Grades due

### FALL SEMESTER 1986

- July 28** Time schedules will be in the **Ann Arbor News** and **Ypsilanti Press**
- July 29** **Time schedules will be available on campus beginning today**
- July 30** **Time schedules will be in the Chelsea Standard and Dexter Leader**
- 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**
- December 19** Grades due

FOR TOMORROW, START TODAY

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00 a.m.						
9:00 a.m.						
10:00 a.m.						
11:00 a.m.						
12:00 noon						
1:00 p.m.						
2:00 p.m.						
3:00 p.m.						
4:00 p.m.						
5:00 p.m.						
6:00 p.m.						
7:00 p.m.						
8:00 p.m.						
9:00 p.m.						

Questions? Need Help? Please call 973-3622 or 973-3300.

**Washtenaw Community College**  
4800 E. Huron River Drive P.O. Box D-1  
Ann Arbor, Michigan 48106

WASHTENAW COMMUNITY COLLEGE

# APPLICATION FOR ADMISSION

# WASHTENAW COMMUNITY COLLEGE

4800 East Huron River Drive  
 P.O. Box D-1  
 Ann Arbor, Michigan 48106  
 (313) 973-3300

**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.  RK 105  
**PLEASE BE ACCURATE. THIS BECOMES YOUR STUDENT IDENTIFICATION NUMBER.**

2. Name (Please print) \_\_\_\_\_ RK 100 Last \_\_\_\_\_ First \_\_\_\_\_ Middle/RK 101 Middle \_\_\_\_\_  Female  Male RK 111

3. Date of Birth RK 110 MM / DAY / YEAR \_\_\_\_\_ Age \_\_\_\_\_ Place of Birth \_\_\_\_\_

4. Permanent Address RA 662 Number and Street \_\_\_\_\_ RA 663 City \_\_\_\_\_ RA 664 State \_\_\_\_\_ RA 666 Zip \_\_\_\_\_

5. Mailing Address RA 672 Number and Street \_\_\_\_\_ RA 673 City \_\_\_\_\_ RA 674 State \_\_\_\_\_ RA 676 Zip \_\_\_\_\_

6. Home Phone ( RA 667 ) \_\_\_\_\_ Mailing Address Phone ( RA 677 ) \_\_\_\_\_

7. In case of emergency, whom may we contact?  
 Name RA 650 \_\_\_\_\_ Telephone Number ( RA 657 ) \_\_\_\_\_

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. What will be your major at Washtenaw Community College? \_\_\_\_\_  
(See inside cover for programs and codes)

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 student accepted for those programs.

11. List most recent high school and ALL colleges you have attended\*\*

Name of School	City/State	Dates of Attendance	Graduation Date

\*\* If you plan to receive a certificate or degree from Washtenaw Community College or are receiving financial aid, please request a transfer credit evaluation prior to the start of classes. Official transfer plans must be reviewed by the appropriate department.

12. List FULL-TIME employment within the past year

Place of Employment	City/State	Telephone Number	Dates of Employment

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 current information.)

**over**  
**FOR OFFICE USE ONLY**

Term Of App	Adm	Class	Res	Area	Program	High School	Grad	Term Of Adm	Previous College	County	State	Country	Co	Adv	Dist	Survey	KIP
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 161	RK 115	
1	FFT	CGD	FR	GO				1					O	H1	M4	NEW	1
2	JCX	GED	SO	GU				2					S	H2	M6	REA	2
3	SCX	HSN	WR	HS				3					V	H3	M9	CON	3
	HSD	WLR						4						H4	N1		4
	ART	EMR						5						M1	N2		5
		STF												M2	N1		6
														M3	R1		7

**Bulletin 1986**  
**Washtenaw Community College**  
4800 East Huron River Drive, P.O. Box D-1  
Ann Arbor, Michigan 48106

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