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Nursing

from: School of Graduate Studies &
Research

**YOUNGSTOWN STATE UNIVERSITY
GRADUATE BULLETIN SUPPLEMENT
2007-2008**

EFFECTIVE AUGUST 2007
YOUNGSTOWN, OHIO

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Inquiries should be addressed to Youngstown State University's director of Equal Opportunity and Diversity, who is responsible for coordinating the University's programs for compliance. Inquiries can be initiated in writing or by calling (330) 941-3370.

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ACADEMIC CALENDAR 2007–2008

FALL 2007

July 16	Mon.	Last day to apply for graduate admission
Aug. 27	Mon.	Fall term begins
Sept. 3	Mon.	University closed—legal holiday (Labor Day)
Sept. 4	Tues.	Last day to add courses
Sept. 14	Fri.	Last day to apply for fall graduation
Nov. 1	Thurs.	Last day to withdraw with a grade of W
Nov. 12	Mon.	University closed—legal holiday (Veteran's Day)
Nov. 22	Thurs.	University closed—legal holiday (Thanksgiving Day)
Nov. 23	Fri.	University closed—legal holiday (Columbus Day observed)
Nov. 26	Mon.	Thanksgiving academic break ends
Dec. 10	Mon.	Final examinations begin Deadline to submit theses to the School of Graduate Studies and Research
Dec. 16	Sun.	Fall term ends Fall commencement

SPRING 2008

Dec. 15	Sat.	Last day to apply for graduate admission
Jan. 14	Mon.	Spring term begins
Jan. 21	Mon.	University closed—legal holiday (Martin Luther King Day)
Jan. 22	Tues.	Last day to add courses
Feb. 1	Fri.	Last day to apply for spring graduation
Mar. 10	Mon.	Spring academic break begins
Mar. 16	Sun.	Spring academic break ends
Mar. 27	Thurs.	Last day to withdraw with a grade of W
May 5	Mon.	Final examinations begin Deadline to submit theses to the School of Graduate Studies and Research
May 11	Mon.	Spring term ends
May 17	Sat.	Spring commencement

SUMMER 2008

Apr. 15	Tues.	Last day to apply for graduate admission
May 19	Mon.	Full term and first six-week term begin
May 26	Mon.	University closed—legal holiday (Memorial Day)
May 27	Tues.	Last day to add courses for full term and first six-week term
June 6	Fri.	Last day to apply for summer graduation
June 12	Thurs.	Last day to withdraw with a grade of W for first six-week term
June 16	Mon.	Middle six-week term begins
June 23	Mon.	Last day to add courses for middle six-week term
June 29	Sun.	First six-week term ends
June 30	Mon.	Second six-week term begins
July 4	Fri.	University closed—legal holiday (Independence Day)
July 7	Mon.	Last day to add courses for second six-week term

July 7	Mon.	Last day to withdraw with a grade of W for full term
July 10	Thurs.	Last day to withdraw with a grade of W for middle six-week term
July 24	Thurs.	Last day to withdraw with a grade of W for second six-week term
July 27	Sun.	Middle six-week term ends
Aug. 4	Mon.	Deadline to submit theses to the School of Graduate Studies and Research
Aug. 10	Sun.	Full term and second six-week term end
Aug. 16	Sat.	Summer commencement

HISTORY

Youngstown State University is in downtown Youngstown, an industrial center in northeastern Ohio midway between Pittsburgh and Cleveland. YSU traces its origins to a college-level commercial law course offered in 1908 by the Young Men's Christian Association followed by the establishment of a School of Law in 1910. The YMCA named its educational offerings the Youngstown Association School in 1915. From that point in history, the school continued to evolve into Youngstown State University.

- 1920 The State Board of Education empowered the YMCA school to grant the Bachelor of Laws degree.
- 1921 The school changed its name to The Youngstown Institute of Technology. Its first liberal arts classes were offered in the evening.
- 1924 The State Board of Education approved the granting of a bachelor's degree in business and commerce.
- 1927 The School of Liberal Arts, offering daytime classes, was established.
- 1930 The Institute began to confer the Bachelor of Arts degree.
- 1931 The Institute changed its name to Youngstown College.
- 1934 Howard Jones became the first president of Youngstown College.
- 1937 The Board of Trustees officially incorporated the institution as Youngstown College.
- 1941 Dana's Musical Institute, founded in nearby Warren in 1869, became the College's Dana School of Music.
- 1944 YMCA trustees transferred control of the institution to members of the Corporation of Youngstown College.
- 1946 The Engineering Department, organized several years earlier, became the William Rayen School of Engineering.
- 1948 The Business Administration Department became the School of Business Administration.
- 1955 The Corporation of Youngstown College was rechartered as The Youngstown University.
- 1960 The Department of Education became the School of Education.
- 1967 The University joined the Ohio system of higher education and became Youngstown State University. A nine-member Board of Trustees was appointed by the Governor with concurrence by the Ohio Senate. As in the case of other state-assisted universities in the Ohio higher education system, the University is also responsible to the Ohio Board of Regents.
- 1968 The Graduate School and the College of Applied Science and Technology were established.
- 1972 YSU, with The University of Akron and Kent State University, formed a consortium to sponsor the Northeastern Ohio Universities College of Medicine.
- 1974 The College of Fine and Performing Arts was established.
- 1981 The School of Business Administration was renamed the Warren P. Williamson, Jr. School of Business Administration.
- 1993 The University underwent academic reorganization and constituted itself into the following units:
 - The College of Arts and Sciences
 - The College of Education
 - The College of Engineering and Technology
 - The College of Fine and Performing Arts
 - The College of Health and Human Services
 - The Warren P. Williamson, Jr. College of Business Administration

- The School of Graduate Studies
 - The Northeastern Ohio Universities College of Medicine
- 2002 The School of Graduate Studies **was renamed** the School of Graduate Studies and Research and was given the **responsibility for research** at YSU.
- 2007 The College of Liberal Arts and Social Sciences (CLASS) and the College of Science, Technology, Engineering and Mathematics (STEM) were established.

A coeducational institution, YSU had an enrollment of 300 students in 1930, which grew to 2,000 in the 1940s, tripled by the 1950s, reached 10,000 in the mid-sixties, and totaled more than 15,000 in 1986. As of fall 2006, undergraduate enrollment stood at 11,991 and graduate enrollment at 1,192.

THE SCHOOL OF GRADUATE STUDIES AND RESEARCH

ADMISSION

INTERNATIONAL STUDENT ADMISSION—(Additions to pages 34-35 in *Graduate Bulletin 2006-2008* are in bold; strikethrough indicates deletion.)

International applicants must complete an application for admission and provide all materials required at least three months prior to the semester they wish to be considered for admission. In addition to the regular admission requirements, the following must also be submitted:

- an original or certified copy of the degree earned and all course and examination records, including grades received, beyond the secondary school level. ~~If credentials are not in English, official translations must be provided.~~ All original documents must be provided in the official language of the country from which they come. If English is not the official language, English translations must also be provided. If the post-secondary institution maintains all records in English, but English is not the official language of the country, the institution must provide written verification that this is the case on official letterhead. (Note: Documents from the following countries must be mailed directly to the university from the institution via regular postal service: Canada, Ghana, Nigeria, Puerto Rico, and Sierra Leone.)
- a minimum score of 550 on the paper-based, or 213 on the computer-based, or 79-80 on the internet-based (iBT) Test of English as a Foreign Language (TOEFL) administered by the Educational Testing Service (ETS) by graduates of foreign universities who are nonnative English speakers. (Scores over two years old by the beginning of the term applicants wish to enter are not acceptable.) The School of Graduate Studies and Research will accept the academic version of the IELTS (International English Language Testing System) as an alternative to the TOEFL exam for international students. (A score of 6.5 on the IELTS test equates to a 550 on the TOEFL.) Proficiency may also be demonstrated by a minimum score of 80 on the Michigan English Language Assessment Battery (MELAB) administered by the English Language Institute, Ann Arbor, Michigan, or a letter of certification from the Youngstown State University English Language Institute stating that the applicant has completed the program of study and is proficient in English at a level appropriate to pursue a graduate degree and present an English language thesis if one is necessary as a degree requirement. Prior to full admission to graduate study, students may be tested and placed in special English classes, if necessary, to ensure an adequate level of English proficiency. (Note: Evidence of proficiency is waived for applicants educated in English-speaking countries as defined in the YSU Undergraduate Bulletin or for applicants holding U.S. Legal Permanent Residence for one year.)

OTHER REGULATIONS

POSTHUMOUS DEGREES—(The following is an addition to the regulations on pages 37-43 in *Graduate Bulletin 2006-2008*.)

Youngstown State University may award posthumous graduate degrees under certain circumstances. Each case will be considered individually and must be reviewed by the deceased student's thesis or dissertation committee (as appropriate), the student's advisor, relevant department faculty, and must be approved by the YSU Graduate Council.

VISITING GRADUATE STUDENTS—(The following is an addition to the regulations on pages 37-43 in *Graduate Bulletin 2006-2008*.)

A visiting graduate student is defined as one who is completing graduate academic work at Youngstown State University for credit at another university. All visiting graduate students shall be required to be granted visiting student status while engaged in academic work at YSU. Applications for visiting student status are available from the School of Graduate Studies and Research. Visiting students status shall provide access to the following campus resources (fees may be required): a YSU identification card; access to campus buildings and laboratories, including computer labs; use of library facilities; and campus parking.

FINANCIAL ASSISTANCE

ASSISTANTSHIPS—(The following is an addition to pages 55-56 in *Graduate Bulletin* 2006-2008.)

Graduate Provisional Status

Graduate students who are in provisional status because of undergraduate coursework deficiencies cannot be appointed as teaching assistants until the required coursework is completed. Such students can be considered for research appointments. Exceptions to this policy may be considered and must be reviewed and approved by the Dean of the School of Graduate Studies and Research.

STUDENT FEES, CHARGES, AND FINES 2007-2008

TUITION

Instructional Fee		
Graduate students		
1-11 credits	\$307.12	per credit
12-16 credits	\$3,685.45	per semester
Over 16 credits	\$307.12	per credit
Master of Public Health program	\$475.00	per credit
Master of Fine Arts program	\$460.00	per credit
Graduate Workshops Special Rates		
In-state participant	\$129.32	per credit
Regional service area participant	\$192.92	per credit
Nonregional service area participant	\$260.76	per credit
General Fee (all students)		
1-11 credits	\$47.00	per credit
12-16 credits	\$564.00	per semester
Over 16 credits	\$43.00	per credit
Nonresident Tuition Surcharge		
Regional Service Area		
Graduate students		
1-11 credits	\$8.34	per credit
12-16 credits	\$100.08	per semester
Over 16 credits	\$8.34	per credit
Outside Regional Service Area		
Graduate students		
1-11 credits	\$8.34	per credit
12-16 credits	\$100.08	per semester
Over 16 credits	\$8.34	per credit

HOUSING CHARGES

Room and Board	\$6,740.00 per academic year	
To be paid as follows:		
Room reservation fee	\$200.00	
Fall semester	\$3,370.00	
Spring semester	\$3,170.00	
Single Room Surcharge	\$775.00	per semester
Security Deposit (paid first semester)	\$100.00	
Voluntary Board Plan (students not residing in University housing)		
14-meal-per-week plan with \$115.00 flex spending	\$975.00	per semester
10-meal-per-week plan with \$150.00 flex spending	\$870.00	per semester
5-meal-per-week plan with \$150.00 flex spending	\$520.00	per semester

FINES

Library/Curriculum Center

Overdue book	\$.10 per day to maximum of \$11.00 plus cost of book replacement, including a \$10 processing charge
Overdue reserve book	\$.55 per day to maximum of \$11.00 plus cost of book replacement including a \$10 processing charge
Unauthorized removal of closed reserve book	\$.55 per day to maximum of \$11 plus cost of book replacement, including a \$10 processing charge

Parking Violations

Class I—All violations except those in class II	\$10.00
Class II—Parking in handicap zone without proper permit, at no parking sign, tow away zone, loading zone, official use only, fire lane, or in campus core area	\$50.00

The University reserves the right to change any fee without notice.

SPECIAL PURPOSE FEES AND SERVICE CHARGES

Application fee, graduate	\$30.00	
Check replacement fee	\$25.00	
Child preschool laboratory fee	\$150.00	per semester
Credit by examination	\$20.00	per credit
Duplicate diploma fee	\$40.00	
Fingerprinting fee (web check)	\$30.00	
Late graduation application (after third week of the semester)	\$38.50	
ID replacement fee	\$20.00	
Inoculation fee—hepatitis series	\$125.00	
Inoculation fee—measles, mumps, rubella	\$50.00	
Inoculation fee—meningitis	\$75.00	
Inoculation fee—tetanus	\$15.00	
Installment fee	\$12.00	per month
International graduate student credentials fee	\$45.00	
Technology/laboratory materials fee		
Level 1	\$35.00	per course
Level 2	\$50.00	per course
Level 3	\$65.00	per course
Level 4 (gross anatomy)	\$187.00	per course
Late class add fee	\$27.50	per course
Late payment fee	\$30.00	
Late registration fee	\$55.00	
Parking permit	\$78.00	per semester
Parking permit—summer term only	\$35.00	
Parking without permit	\$5.00	per day
Peace Officer Training Academy	\$300.00	per semester
Performance music (plus tuition)	\$75.00	per credit
Proficiency examination	\$45.00	per course
Returned check or credit card charge	\$30.00	
Rich Autism Center preschool program	\$125.00	per week
Student health insurance		
Ages 29 and under		
Fall 2007	\$399.00	
Spring 2008, Summer 2008	\$488.00	
Ages 30 and over		
Fall 2007	\$555.00	
Spring 2008, Summer 2008	\$606.00	
Student locker rental (paid at Kilcawley Center)	\$20.00	per year
Technology fee		
1–11 and over 16 credits	\$9.54	per credit
12–16 credits	\$114.48	per semester
Testing fee—MAT	\$60.00	
Thesis binding	\$25.00	
Transcript rush fee (same day, in person, or U.S. mail)	\$10.00	
Transcript rush fee (overnight express)	\$25.00	
UMI Processing	\$65.00	

PAYMENT OF TUITION AND FEES

Tuition and fees for the semester are due on or before the date published in the *Schedule of Classes*. You may pay your bill in person at the payment windows on the second floor of Meshel Hall or by mail to the Office of Student Accounts and University Receivables. You may pay by check (payable to Youngstown State University) or with Visa, MasterCard, or Discover Card. Several payment plans that allow you to spread your payments over a longer period are also available.

Graduation and transcripts will be held until all University bills are paid. Any balance owed must be sent to Student Accounts and University Receivables no later than the due date on the payment notice to avoid assessment of a late penalty fee.

Enrollment at the University creates an implied contract between the student and YSU. If the student chooses not to attend the University, he or she must officially withdraw from all courses by accessing the Complete Withdrawal option on the Student On-Line Advisement and Registration System (SOLAR) or by completing a Change of Registration form at the Enrollment Information Counter in Meshel Hall. Nonattendance of class or notification to the instructor or department does not constitute an official withdrawal.

If the student fails to withdraw by the deadline stated in the *Schedule of Classes*, he or she must pay all charges in full. If no effort is made to pay the outstanding bill, collection measures will be implemented.

FEES

TUITION

The sum of the graduate instructional fee and the general fee is the tuition for a student.

GRADUATE INSTRUCTIONAL FEE

This fee is assessed of all students each semester. The rate is per academic semester hour of credit of registration. This fee supplements the state subsidy and is revenue of the University's Educational General Fund.

GENERAL FEE

This fee is also assessed of all students each semester; the rate depends upon the number of credits for which the student is registering. This fee is for noninstructional services, such as Kilcawley Center, intercollegiate athletics, intramural sports, performing artists and lecture programs, Student Government, and Career Services.

AUDITING COURSES

Students may audit courses (i.e., register to take a course without receiving credit). The fees are the same as if the course were taken for credit.

NONRESIDENT TUITION SURCHARGE

As stated, all students pay the instructional fee and the general fee. Those students who are not legal residents of Ohio also must pay a surcharge. Students who are legal residents of the regional service area pay a lesser surcharge than do students who are legal residents of other areas. The regional service area includes 23 counties in New York, Pennsylvania, and West Virginia.

PERFORMANCE MUSIC FEE

This fee is in addition to the regular instructional fee. It is assessed to students taking music lessons and applied on a per-credit basis.

TECHNOLOGY FEE

This fee is charged to all students and is based on the number of credits for which the student is registered. This fee provides increased Internet service, an open computer laboratory in Maag Library, increased computer laboratory reliability and technical assistance, and support for Network and Electronics Maintenance Services. This fee also provides partial general support for the cost of the maintenance of centralized mainframe computing capabilities, including, but not limited to, systems used for admissions, student registration, financial aid, and Students Accounts and Accounts Receivable operations.

TECHNOLOGY/LABORATORY MATERIALS FEE

This fee is designed to partially offset expenses associated with courses that make use of supplies, equipment, or personnel support beyond that associated with typical lecture courses. Examples include chemical supplies, engineering equipment, computers and software, and laboratory monitors.

OTHER FEES

APPLICATION FEE

A nonrefundable application fee must accompany the initial application for admission to the School of Graduate Studies and Research.

LATE APPLICATION FOR GRADUATION FEE

There is a fee charged for late application for graduation to anyone who applies after the third week of the semester.

LATE REGISTRATION FEE

A fee is charged to a currently enrolled student who fails to register for the next term at the assigned time.

PARKING PERMIT FEE

A permit to park in YSU parking facilities will be issued to students and employees of the University upon payment of the fee. The fee is for the academic semester and does not guarantee an available space in any particular lot. Some facilities are restricted (e.g., for students only, for faculty and staff only, or for resident hall residents only). The current *Driving and Parking Regulations* pamphlet and parking lot map should be consulted. A daily fee is charged to anyone without a permit who wishes to park in facilities designated for cash business. Persons other than employees and students who are on campus for a short period of time to conduct business may park in one of the visitors' lots if space is available. The parking permit fee is refundable only if the student returns the permit access card and current validation sticker prior to the end of the 100% tuition refund period. If a student completely withdraws, the permit access card and current validation sticker must be returned within five days of either the withdrawal date or the last date of the 100% tuition refund period—whichever is earlier—in order to obtain a refund for this fee.

PROFICIENCY EXAMINATION FEE

A fee is charged for an examination provided by an academic department to determine a student's proficiency for some reason other than assignment of academic credit.

SERVICE CHARGES

CHECK REPLACEMENT FEE

A nonrefundable fee is charged for each request to have a student refund check replaced.

HOUSING CHARGE

University housing is available for the academic year and summer terms. The residence contract includes room and a flexible meal plan. A security deposit is required. Payment and refunds are as scheduled in the housing contract. Meal tickets are also available for students who are not residents of University-owned housing.

IDENTIFICATION CARD REPLACEMENT CHARGE

A charge is made for replacement of an ID.

RETURNED CHECK OR CREDIT CARD CHARGE

A charge is made to anyone whose check or charge card is returned unpaid by the bank. Any late payment fee applicable is also assessed. Failure to pay billing of return check and/or charge within six days and/or a second check/charge return will result in the University's refusal to accept this type of payment at any of its collection points and may subject the student to financial suspension for the term.

STUDENT LOCKER CHARGE

A limited number of lockers are available in various buildings for the convenience of commuting students. Payment and assignments are made at the Kilcawley Information Center.

THESIS BINDING CHARGE

A charge is made for each copy of a thesis or dissertation bound by the Maag Library.

UMI PROCESSING

A charge is made for each thesis or dissertation submitted in fulfillment of graduation requirements.

TRANSCRIPT OF CREDITS CHARGE

While no charge is made for each transcript issued, transcripts will not be issued for students or alumni with outstanding debts owed the University. Only a student may order a transcript; however, students are cautioned that most graduate and professional schools as well as many employers accept transcripts only if sent directly by the University.

FINES

LIBRARY FINES

Fines are assessed for failure to return books on time as stipulated or for the unauthorized removal of a reserved book. Willful damage or defacement of library materials or other property is a violation of state law and is punished as such.

PARKING VIOLATION FINE

Parking without a permit, parking in such a manner as to impede regular traffic flow, occupancy of more than one identified space (assuming lines are not obscured), and other offenses as identified in the *Driving and Parking Regulations* pamphlet will result in a citation issued to the student responsible for the vehicle (e.g., student driving parents' car). Payment of a fine removes the citation. Vehicles may be towed in certain cases. See *Driving and Parking Regulations* for detailed information.

REDUCTION/REFUND OF FEE CHARGES UPON WITHDRAWAL

To withdraw from a single course or all courses, a student must access the Change of Registration option or the Complete Withdrawal option on the Student On-line Advisement and Registration System (SOLAR) or complete a change of registration form at the Enrollment Information Counter in Meshel Hall. Nonattendance of class or notification to the instructor or department does not constitute official withdrawal. Please see the official tuition refund schedule in the *Schedule of Classes* for further information.

APPLICATION FOR INVOLUNTARY WITHDRAWAL

If a student withdraws for reasons beyond his or her control (e.g., illness, military service, job transfer, or shift change imposed by the employer that creates a direct conflict with the class schedule), the fee charges may be reduced in direct proportion to the number of weeks in attendance. An application for involuntary withdrawal can only be processed for courses in which the student has already received a grade of W (withdrawn). The aforementioned applications will only be considered for semesters falling within the immediately preceding year (three semesters). Appeals pertaining to semesters beyond this one-year time limit will not be accepted. All applications for involuntary withdrawal must be documented and are processed only by mail on forms provided by the Office of Student Accounts and Accounts Receivable. Address such correspondence to the Fees and Charges Appeals Board, c/o Office of Students Account and Accounts Receivable, Youngstown State University, One University Plaza, Youngstown, OH 44555. The decision of the Board is final and not subject to reappeal.

GRADUATE PROGRAMS

MASTER OF ARTS IN ENGLISH

PROGRAM DIRECTOR

James Schramer
211 DeBartolo Hall
(330) 941-3423
jschramer@ysu.edu

ADMISSION REQUIREMENTS—(Additions to pages 70-71 in *Graduate Bulletin 2006-2008* are in bold; strikethrough indicates deletion.)

Students must have an undergraduate English major or other preparation judged satisfactory by the Department and an unrecalculated grade point average in undergraduate study of at least 3.0 (on a 4.0 scale). Applicants for the M.A. are required to submit a brief (750-1000 words) statement of purpose outlining their reasons for wishing to obtain the M.A. in English and how that degree fits into their professional goals. ~~Applicants who do not have an undergraduate major in English must complete a sequence of undergraduate prerequisite courses prior to admission to the M.A. program. Such students should check with the Program Director when applying.~~

DEGREE REQUIREMENTS—(The following is a change to the requirements on page 71 in *Graduate Bulletin 2006-2008*.)

COURSE REQUIREMENTS

All master's degree students must complete 30 semester hours in English courses at the graduate level; exceptions must have prior approval of the English Department Chair and the Director of Graduate Studies. All M.A. students must take at least one course in each of two areas: one theory or methods course (graduate assistants must take English 6907; English 6989 may not fulfill this requirement); one language, discourse, or writing course. Students may select the literature-based M.A. or the M.A. track in Professional Writing and Editing to complete their degree.

M.A. in English

To complete this option, students must complete 30 semester hours in English courses at the graduate level; exceptions must have prior approval of the Department Chair and the Director of Graduate Studies. In addition to the theory, language, discourse, or writing courses required above, students selecting this option must take at least two literature courses from a list of approved courses. To complete their degree requirements, students in this option may either submit a thesis or a graduate portfolio.

Students in this option are encouraged, but not required to, create a focus area with their remaining courses. Possible focus areas include literature, linguistics, professional writing and editing, composition and rhetoric, teaching English to speakers of other languages (TESOL), and literature for children and young adults. Students who plan on pursuing a Ph.D. in literary studies are strongly encouraged to complete a broad selection of courses in British and American literature.

M.A. in English, Professional Writing and Editing Track

To complete this option, students must complete 30 semester hours of credit in the following courses. Two of these courses must also satisfy the theory, language, discourse, or writing courses required above.

Required Core Courses:

- 6943 Professional and Technical Communications
- 6944 Document Design and Production
- 6945 Theory of Professional and Technical Communication
- 6992 Professional Communication (special topics)
- 6953 Publication Issues and Management
- 6949 Professional and Technical Editing

Choose Three Courses from the Following:

- 6901 Methods of Composition Research
- 6907 Teaching of Writing
- 6950 Sociolinguistics
- 6955 Advanced Linguistics
- 6958 English Grammar
- 6993 Discourse Theory

Choose Either:

- 6998 Professional Writing Internship and Professional Portfolio *or*
- 6999 Thesis

THESIS AND PORTFOLIO OPTIONS—(The following is a change to the requirements on page 71 in *Graduate Bulletin 2006-2008*.)

All M.A. students must submit a thesis or portfolio. Handouts on thesis and portfolio guidelines and examples of past theses and portfolios are available from the departmental Director of Graduate Studies.

The thesis option is designed especially for, but not limited to, students planning to pursue a doctorate. Students choosing this option must select a committee consisting of a thesis director and two additional graduate faculty members. This committee must approve a thesis proposal before the student can register for thesis credit. Students must demonstrate through the thesis a familiarity with appropriate sources and an ability to interpret the material and properly document their research. Students selecting the thesis option may count up to three semester hours of thesis credit (English 6999) toward their total of 30 semester hours of graduate coursework.

The portfolio consists of selected work written during graduate coursework or as part of a professional internship. Most of the writing will come from class assignments; however, up to 15 pages of personal writing done outside of the classroom may be included. The student will present the portfolio to a faculty review committee no later than the eighth week of the semester in which s/he plans to graduate. Students in the Professional Writing and Editing track may count up to three semester hours of credit earned in their professional internship toward the 30 semester hour requirement.

MASTER OF BUSINESS ADMINISTRATION

DEAN OF THE COLLEGE OF BUSINESS ADMINISTRATION

Betty Jo Licata
 503 Williamson Hall
 (330) 941-2737
 bjlicata@ysu.edu

M.B.A. COORDINATOR

Monique Bradford
 506 Williamson Hall
 (330) 941-3069
 mrbradford@ysu.edu

DEGREE REQUIREMENTS—(The following is a change to the requirements on page 80 in *Graduate Bulletin 2006-2008*; strikethrough indicates deletion. ACCTG 6912 will remain available as an elective.)

LEVEL II: ADVANCED COURSES

22 S.H.

ACCTG 6902	Management Accounting Systems	—or
ACCTG 6912	Advanced Management Accounting¹	3 s.h.
FIN/MKTG/MGT 6920	Global Business Environments ²	3 s.h.
FIN 6921	Financial Management	3 s.h.
MGT 6921	Operations Management	3 s.h.
MGT 6961	Organizational Behavior	3 s.h.
MGT 6965	Strategic Management and Leadership ³	3 s.h.
MGT 6967	The M.B.A. Integrated Project ⁴	1 s.h.
MKTG 6942	Strategic Marketing Management	3 s.h.

EXECUTIVE MASTER OF BUSINESS ADMINISTRATION

ADMISSION REQUIREMENTS—(Additions to page 81 in *Graduate Bulletin 2006-2008* are in bold.)

YSU's Executive M.B.A. program is open to all individuals with at least five years of management work experience who exhibit an ability to perform well in an interactive graduate classroom environment. A business undergraduate degree is not required. Each application is reviewed on an individual basis. Admission is competitive and based on achievement in undergraduate study and the Graduate Management Admission Test (GMAT). **The GMAT requirement will be waived if the applicant meets one of the following criteria:**

- the candidate already possesses a graduate degree from a regionally-accredited university, or
- the candidate has completed an undergraduate degree from a regionally-accredited institution with an overall unrecalculated GPA of at least 3.25 (on a 4.0 scale).

¹—Students who completed undergraduate cost accounting in the last five years must take ACCTG 6912.

² Cross-listed courses.

³ Taken as the last course in the program of study.

⁴ Taken concurrently with MGT 6965.

MASTER OF COMPUTING AND INFORMATION SYSTEMS

PROGRAM DIRECTOR

John Sullins
333 Meshel Hall
(330) 941 1806
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ADMISSION REQUIREMENTS—(Additions to page 83 in *Graduate Bulletin 2006-2008* are in bold.)

In addition to the minimum School of Graduate Studies and Research admission requirements, students must also have previous courses in information systems equivalent to CSIS 1590 Survey of Computer Science and Information Systems, previous courses in computer programming equivalent to CSIS 2610 Programming and Problem Solving and CSIS 2617 Data Structures and Objects, previous courses in databases equivalent to CSIS 3722 Development of Databases, and previous courses in networking equivalent to either CSIS 3723 Networking Concepts and Administration or CSIS 3783 Cisco Networking Academy II. **In addition, technical communication skills equivalent to INFOT 3704 Business Communications are required.** Equivalent employment-related experience may be substituted for some of these requirements. The experience must be described in detail and reliably documented (in a letter of recommendation from an employer, for example).

Students are also required to submit a résumé, a written statement describing their past experience in computing/information systems (both employment and academic), and their reasons and goals for applying to the program. **The Graduate Record Examination (general test) is also required and students must obtain an acceptable score.**

Students not satisfying all admission requirements may be admitted with provisional status subject to the approval of the Graduate Program Director and the Graduate Dean. Such students will generally be required to take specified undergraduate and/or foundation courses which will not count toward the master's degree.

DEGREE REQUIREMENTS—(Additions to page 84 in *Graduate Bulletin 2006-2008* are in bold.)

A minimum of 33 approved semester hours of credit (at least half of which must be at the 6900 level) is required for the Master of Computing and Information Systems. A core of CSIS 6920, CSIS 6950, and either CSIS 6921, CSIS 6940, or CSIS 6951 is required of all students. Additionally, a minimum of 21 semester hours of graduate electives consisting of approved graduate and/or swing courses is also required. Up to nine semester hours may be taken in departments other than Computer Science and Information Systems. For graduation, the student must complete either a thesis (at least three semester hours of CSCI 6999) or a capstone project (at least three semester hours of CSIS 6990). This project is meant to explore and apply some area of computing and information systems and is subject to the approval of the major advisor.

The student's course of study will be determined in conjunction with the student's major advisor and, possibly, with an advisor from outside of the Department, particularly if the student is interested in applying information systems to some other area. This course of study will be based on the student's area of specialization, background interests, and career interests. It may also include graduate courses from other areas where appropriate. A cohesive individual curriculum program of approved elective courses will be developed in conjunction with the student's major advisor after nine semester hours of core courses have been completed.

Also taken into consideration are management background and the unique contributions candidates can make to the E.M.B.A. learning experience.

MASTER OF PHYSICAL THERAPY

DEPARTMENT CHAIR

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DEGREE REQUIREMENTS—(Addition to the requirements on page 97 in *Graduate Bulletin* 2006-2008 is in bold; strikethrough indicates deletion.)

Total Hours Required for Degree _____ 68-91 s.h.

The total number of hours required for the M.P.T. degree has increased to 76-99 s.h. due to an increase in the number of credits awarded for the following clinical education courses: PHYTH 6904, 6914, 6919, and 6920.

MASTER OF SCIENCE IN CHEMISTRY

PROGRAM DIRECTOR

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 trwagner@ysu.edu

ADMISSION REQUIREMENTS—(Addition to the requirements on page 106 in *Graduate Bulletin* 2006-2008 is in bold.)

In addition to the minimum admission requirements of the School of Graduate Studies and Research, an applicant for admission to the M.S. degree program in the Department of Chemistry must present an undergraduate major in chemistry or the equivalent. Ordinarily, this entails the completion of at least a year's study in both organic and physical chemistry. In those cases where the undergraduate preparation is slightly deficient, the applicant may be admitted with provisional status with the approval of the Chair of the Chemistry Department and the Graduate Dean. Students must also achieve an acceptable score on the Graduate Record Examination general test (GRE) for admission to the program.

MASTER OF SCIENCE IN EDUCATION—COUNSELING

PROGRAM DIRECTOR

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 mlbriley@ysu.edu

PROGRAM DESCRIPTION—(The following is a change to pages 119-124 in *Graduate Bulletin* 2006-2008; strikethrough indicates deletion.)

~~Option C: Child and Adolescent Program (CHAP) _____ 64 s.h.~~

~~The Department of Counseling and Special Education has suspended admission to this option; it is no longer available.~~

~~Option E: Classroom Guidance Program~~

~~The Department of Counseling and Special Education has suspended admission to this option; it is no longer available.~~

MASTER OF SCIENCE IN EDUCATION—EDUCATIONAL ADMINISTRATION

PROGRAM DIRECTOR

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PRINCIPAL LICENSE AND ADMINISTRATIVE SPECIALIST LICENSE—(The following is a change to the licensure requirements on pages 127-129 in *Graduate Bulletin 2006-2008*.)

COUNS 6961 Introduction to Pupil Personnel Services has been removed from both the Principal License program and the Administrative Specialist License program. Therefore, the total number of semester hours required for the Principal License program has changed from 16 to 14 semester hours. The Administrative Specialist License program will also reflect this change in hours; each option will now require 2 semester hours fewer than stated in *Graduate Bulletin 2006-2008*.

MASTER OF SCIENCE IN EDUCATION—TEACHER EDUCATION

PROGRAM DIRECTOR

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PROGRAM DESCRIPTION—(The following is a change to the description on page 130 in *Graduate Bulletin 2006-2008*.)

The master teacher education program provides advanced professional preparation for teachers, administrators, and school guidance counselors. The Department of Teacher Education houses seven speciality program areas for post baccalaureate study toward the M.S. in Education: curriculum and instruction master, early childhood master, middle childhood master and/or grades 4-6 endorsement, adolescent/young adult content area concentration master, adolescent/young adult master and/or, licensure, literacy master and/or reading specialist (pre K-12) endorsement, and educational technology master and/or (K-12) endorsement.

The program focuses on the development of professionally committed practitioners so that they can reflect on and apply the current state of knowledge, skills, and dispositions in their specialization. The specialty program areas provide the knowledge, skills, and competencies necessary for these individuals to function effectively in their chosen field. Central to the development of such professionals is the refinement and conveyance of competencies in the areas of scholarship, instruction, leadership, management, and interpersonal relations. Essential to the development of committed practitioners is the belief that all children can learn regardless of their specific diversities.

The Department of Teacher Education's mission is to empower teachers for professional practice. The mission commits the faculty to a theme of critical reflectivity where students are engaged in the pedagogies of critique in comparison and contrast to traditional practices

of teaching and schooling. Faculty members are committed to education candidates in values and ideas that motivate educators for the transformation of students and educational institutions. The Department also offers a variety of professional development courses and workshops.

The master teacher education program is administered by the Department of Teacher Education in the Beeghly College of Education.

ADMISSION REQUIREMENTS—(The following is a change in the requirements on pages 130-131 in *Graduate Bulletin 2006-2008*.)

(The adolescent/young adult licensure and educational technology options have additional requirements; see option descriptions following.)

To be admitted to the Master of Science in Education degree program in the Department of Teacher Education, the applicant must have earned a bachelor's degree from an accredited college or university.

REGULAR ADMISSION

In addition, the applicant must meet the following criteria:

- qualification for a teaching certificate/license (Ohio provisional or equivalent) if enrolled in a program leading to additional certification, licensure, validation, or endorsement. However, those individuals who have earned baccalaureate degrees but do not possess certificates/licenses will be admitted on a case-by-case basis after review of their credentials and needs relative to specific career paths requiring expertise in curriculum and instruction in nonschool settings.
- an unrecalculated undergraduate cumulative grade point average of at least 2.7 (on a 4.0 scale) or an unrecalculated graduate cumulative grade point average of 3.0.
- adequate preparation for the graduate program in which the student wishes to enroll, as evidenced by three professional recommendations.

PROVISIONAL ADMISSION

For provisional admission, the applicant must meet the following criteria:

- qualification for a teaching certificate/license (Ohio provisional or equivalent) if enrolled in a program leading to additional certification, licensure, validation, or endorsement.
- an unrecalculated undergraduate cumulative grade point average of at least 2.7 (on a 4.0 scale) or an unrecalculated graduate cumulative grade point average of 3.0.

If the applicant has an undergraduate GPA of less than 2.7, or a graduate GPA of less than 3.0, then an MAT raw score of 39 (1992 norms) or an MAT scaled score of 394 (2003 norms) is required.

If the undergraduate GPA is below 2.7 and the MAT score is below the cutoff score, admission is refused. If the graduate GPA is below 3.0 and the MAT score is below the cutoff score, admission is refused.

- adequate preparation for the graduate program in which the student wishes to enroll, as evidenced by three professional recommendations.

Once admitted provisionally, and after nine semester hours of graduate level work have been completed, the Department automatically reviews the student's record. If a GPA of at least 3.0 has been maintained, the student is converted from provisional to regular status. A provisional student whose GPA falls below a 3.0 will immediately be dismissed.

NONDEGREE ADMISSION

For nondegree admission, the applicant must meet the following criteria:

- qualification for a teaching certificate/license (Ohio provisional or equivalent) if enrolled in a program leading to additional certification, licensure, validation, or endorsement. The student must provide a written statement verifying that he or she has a degree and a 2.5 GPA. An official transcript must be provided by the end of the semester in which the student is first enrolled for verification.
- an unrecalculated undergraduate cumulative grade point average of at least 2.5 (on a 4.0 scale) or an unrecalculated graduate cumulative grade point average of 3.0.

If the applicant has an undergraduate GPA of less than 2.5 or a graduate GPA of less than 3.0, then an MAT raw score of 39 (1992 norms) or an MAT scaled score of 394 (2003 norms) is required.

If the undergraduate GPA is below 2.5 and the MAT score is below the cutoff score, admission is refused. If the graduate GPA is below 3.0 and the MAT score is below the cutoff score, admission is refused.

Nondegree status students may be blocked from enrollment in selected courses.

Nondegree students who later wish to earn a degree must make formal application for admission to the degree program and meet all requirements of the regular admission process. Nondegree status performance may inform, but in no way assures, admission into the degree program.

Once admitted as a nondegree student, a maximum of nine semester hours of graduate level work may be applied toward a degree. A GPA of 3.0 must be maintained to convert from nondegree to regular status. Any student in nondegree status whose cumulative grade point average drops below the minimum (3.0) will be prohibited from enrolling in further graduate coursework.

DEGREE REQUIREMENTS—(The following is a change to the requirements on pages 132-139 in *Graduate Bulletin 2006-2008*.)

A minimum of 33 semester hours is required for the degree. In general, the master teacher education program requires a common core of courses, common core option courses, and specialty program area requirements. Additionally, students must pass a comprehensive examination, except for Adolescent/Young Adult Licensure and Educational Technology Masters.

Required Courses for all Teacher Education Programs	15 s.h.
Core Requirements	9 s.h.
TCED 6936 Fundamentals of Curriculum Development	3 s.h.
FOUND 6904 Introduction to Educational Research	3 s.h.
PSYCH 6903 Psychology of Learning and Education	3 s.h.
Core Options	6 s.h.
Choose One:	
EDTC 6905 Technology in Instructional Settings <i>or</i>	
TCED 6951 Interpersonal Communications for Educators <i>or</i>	
TCED 6959 Law and Ethics for the Classroom Teacher <i>or</i>	
TCED 6999 Proactive Grant Seeking	3 s.h.

Choose One:

FOUND 6901	Philosophical Analysis of Education <i>or</i>	
FOUND 6902	Sociological Bases of Education	3 s.h.

Specialty Program Area 18 s.h.

Total Hours Required for Degree 33 s.h.

Curriculum and Instruction Program

The Curriculum and Instruction program is designed to accommodate the generalist perspective that some school districts need. The program is for district and county cohorts and Adolescent/Young Adult Masters only.

Required Courses and Core Option Courses—(see above and page 23) 15 s.h.

Specialty Program Area Courses, Curriculum and Instruction 18 s.h.

TCED 6922 Principles of Instruction 3 s.h.

Five courses from the College of Education approved by the student's advisor, including pre-approved workshop credit. Generally, it is advised that one course in Counseling and one course in Special Education is taken, as well as three courses from the Department of Teacher Education.

Total Hours Required for Degree 33 s.h.

Early Childhood Education Program

The Early Childhood Education program specialty area provides in-depth advanced study for experienced early childhood education teachers in the areas of research-based curriculum planning and assessment linked to the development and learning of young children. Candidates in this program will have already successfully demonstrated competence in relation to NAEYC's Initial Licensure Standards (NAEYC 2003, *Preparing Early Childhood Professional: NAEYC Standards for Programs*, p. 79). Therefore, candidates in this program will be licensed early childhood education teachers who will use their knowledge, skills, and related dispositions in greater depth, complexity, and applicability to the professional context.

Required Courses and Core Option Courses—(see above and page 23) 15 s.h.

Specialty Program Area Courses, Early Childhood Education 18 s.h.

ECE 6910 Curriculum, Theories, and Methods in Early Childhood Education,
Pre-K-Grade 3 3 s.h.

ECE 6911 Early Childhood Pedagogy in Math and Science 3 s.h.

ECE 6920 Seminar in Early Childhood Pedagogy in Math and Science 3 s.h.

ECE 6921 Action Research in Early Childhood Education, Pre-K-Grade 3 3 s.h.

TERG 6932 Literacy and Phonics Instruction: Early Years 3 s.h.

SPED 5858 Intervention Concepts and Strategies in Early Childhood Special
Education 3 s.h.

Total Hours Required for Degree 33 s.h.

All master teacher candidates in early childhood education must complete a comprehensive exam in their major.

Middle Childhood Education and Grades 4-6 Endorsement Program

The Middle Childhood Education program and Grades 4-6 Endorsement specialty area prepares candidates to develop advanced understanding of middle school learners in addition

to providing for the additional endorsement of the other two content areas on an existing two content area Middle Childhood License. Middle school candidates are responsible for meeting the learning needs of all their students. National Middle School Association standards, National Board of Professional Teaching Standards, and Ohio Department of Education requirements guide the program.

Required Courses and Core Option Courses—(see pages 23-24) 15 s.h.

Specialty Program Area Courses, Middle Childhood Education 6 s.h.

TEMC 6954 Middle School: Theory, Research, and Practices 3 s.h.

TEMC 6955 Field Experience: Middle Years School/Community/Collaboration 3 s.h.

Specialty Program Area Licensure Courses, Middle Childhood 12 s.h.

To be eligible for additional middle childhood teaching areas, students must complete the courses listed in each of two areas, unless they receive approval from their advisors to do otherwise.

Note: Only individuals possessing a current Ohio Middle School teaching license are eligible for additional endorsement areas.

Note: An endorsement to teach in self-contained classrooms grades 4-6 in one or more additional areas can be added to a current Middle Childhood license by the completion of this endorsement program.

Science

TEMC 6952 Science for Middle School Teachers I 3 s.h.

TEMC 6953 Science for Middle School Teachers II 3 s.h.

Mathematics

TEMC 6950 Pedagogical Content Knowledge in Mathematics for Middle School Teachers I 3 s.h.

TEMC 6951 Pedagogical Content Knowledge in Mathematics for Middle School Teachers II 3 s.h.

Social Studies

HIST 6902 American Historiography 3 s.h.

HIST 6941 American Material Culture 3 s.h.

Language Arts

ENGL 6906 Teaching Literature *or* 3 s.h.

ENGL 6919 Studies in Young Adult Literature 3 s.h.

ENGL 6907 Teaching of Writing 3 s.h.

Total Hours Required for Degree 33 s.h.

In addition to successfully completing the required coursework, all candidates desiring the graduate degree in Middle Childhood Education must also successfully pass a comprehensive examination.

Endorsement also requires the passage of the Praxis II test with a score of 143 on Elementary Education: Content Knowledge (10014) or a passing score on the Specialty Test designated for each concentration being added. Minimum requirements for the teacher's licenses are determined by the Ohio Department of Education. If those requirements change, they become effective immediately at Youngstown State University.

Adolescent/Young Adult Content Area Concentration Program

Required Courses and Core Option Courses—(see pages 23-24) 15 s.h.

Specialty Program Area Courses, Subject Area Courses 18 s.h.

TCED 6922 Principles of Instruction 3 s.h.

Electives in Teaching Area or Thesis—Students must elect 15 s.h. of coursework in collaboration with their content advisors to complete the teaching area requirement. In some cases, workshop and process hours will be approved for degree credit within this section.

15 s.h.

Optional

SEDUC 6999 Thesis—Thesis hours may apply to the 33 s.h. required for Specialty Program Area courses. 2-6 s.h.

Total Hours Required for Degree 33 s.h.

Note: HPES Principles of Instruction course may be substituted for TCED 6922.

A comprehensive examination covering FOUND 6901, FOUND 6904, TCED 6922, and TCED 6936 is required to graduate with the master's degree. Please see the Department of Teacher Education for times and dates. Those selecting the thesis option are not required to take the comprehensive examination.

Adolescent/Young Adult Master and/or Licensure Program

The Adolescent/Young Adult Master and/or Licensure specialty area program is designed to meet the needs of individuals seeking adolescent/young adult social studies, science, math, or English licensure.

Admission Requirements

In addition to the Department of Teacher Education admission requirements, the Adolescent Licensure option has the following additional requirements:

- an earned baccalaureate or advanced degree in the field of licensure being sought or in a closely related field;
- a minimum of 15 semester hours of subject-area coursework directly within the licensure area. However, deficiencies in content requirements for licensure must be fulfilled. It is preferable to take these courses as an undergraduate before admission to graduate status;
- a grade point average of no less than 2.67 (on a 4.0 scale) in the 15 semester hours or more of subject area coursework;
- a passing score on a Praxis II Content Area test(s) in the area(s) of licensure sought

Required Courses—(see page 23) 9 s.h.

Specialty Program Area Courses, Adolescent/Young Adult Licensure

SEDUC 6960 Special Methods for Student's Licensure Area (includes field experience)

6960C Science *or*

6960E English *or*

6960M Math *or*

6960S Social Studies 3 s.h.

SPED 5802 Education of Exceptional Children *or*

SPED 7077 Leadership in Gifted and Disabilities Education* 3 s.h.

TERG 6924 Reading and Language Learning in the Middle and Adolescent Years* 3 s.h.

TECED 6959	Law and Ethics for the Classroom Teacher*	3 s.h.
EDTC 6905	Technology in Instructional Settings*	3 s.h.
TECED 6922	Principles of Instruction*	3 s.h.
PSYCH 6905	Human Growth and Development*	3 s.h.
FOUND 6901	Philosophical Analysis of Education <i>or</i>	3 s.h.
FOUND 6902	Sociological Bases of Education	3 s.h.

Program Options

Candidates seeking subject area licenses are required to take the following credit-hour requirements beyond receiving this master's degree:

SEDUC 6965	Supervised Student Teaching: High School	5 s.h.
SEDUC 6965A	Student Teaching Seminar: High School	1 s.h.

Passage of Praxis II PLT, Grades 7-12 (Test #0524) with a score of no less than 165 is required before registering for Student Teaching.

Total Hours Required for Degree

33-39 s.h.

Literacy Master and/or Reading (Pre-K-12) Endorsement Program

The Literacy Master and/or Reading (Pre-K-12) Endorsement program specialty area prepares candidates to develop advanced cognitive and leadership skills appropriate for lead teacher, curriculum coordinator, and mentor in literacy. Literacy professionals with an endorsement and/or master's degree in literacy are responsible for meeting the literacy needs of all students. The standards and criteria for judging candidates are established by the International Reading Association (IRA) and mandated by the Ohio Department of Education.

Required Courses and Core Option Courses—(see pages 23-24)

Specialty Program Area Courses, Reading Specialist		15 s.h.
TERG 6917	Literacy, Reading, and Language Arts Programs	18 s.h.
TERG 6923	Literacy and Phonics Instruction: Early Years**	3 s.h.
TERG 6924	Reading and Language Learning in Middle and Adolescent**	3 s.h.
TERG 6926	Reading and Language Arts Assessment I**	3 s.h.
TERG 6928	Practicum: Case Study in Reading and Language Arts**	3 s.h.
TERG 6929	The Reading and Language Arts Professional**	3 s.h.

Total Hours Required for Degree

33 s.h.

All master teacher reading candidates must pass a comprehensive examination in the area of specialization. The comprehensive examination follows completion of required courses for the specialization.

"An endorsement of a teacher license, valid for teaching the subject or learners named, shall be issued to an individual who holds a baccalaureate degree' who is deemed to be of good moral character; who has successfully completed an approved program of preparation; who has successfully completed an examination prescribed by the State Board of Education; and who has been recommended by the dean or head of teacher education at an approved institution. The endorsement may be added to any standard teaching certificate, or provisional or professional teaching license." (From ODE, 2004, *Teacher Education Licensure Standards*)

Passage of Praxis II 0200 *Introduction to the Teaching of Reading* is required by ODE for endorsement. A score of 540 is passing.

*Required for Licensure by the State of Ohio

**Courses Required for Endorsement

Educational Technology

The Educational Technology specialty program area recognizes that: (1) the educational use of computers needs to become an integral part of the total process of teaching and learning, rather than operating in isolation; (2) educators need professional preparation in educational computing and technology to teach computer/technology applications and integrate technology to support teaching and learning; and (3) all students graduating from the P-12 schools required computing/technology instruction to gain equal access to information.

Admission Requirements

In addition to the Department of Teacher Education admission requirements, the Educational Technology option has the following additional requirements:

- competency in the National Educational Technology Standards for Teachers (NETS-T), which is required by the International Society for Technology in Education (ISTE). Contact the Department of Teacher Education for information on how to demonstrate competency.
- a valid teaching certificate/license if seeking the technology endorsement. Note: a teaching certificate/license is not a requirement for seeking the degree.

Required Courses and Core Option Courses—(see pages 23-24) 15 s.h.

Specialty Program Area Courses, Educational Technology 18 s.h.
[Prereq.: EDTC 3771 or EDTC 6905 or permission of instructor]

EDTC 6920	Instructional Design	3 s.h.
EDTC 6930	Multimedia Authoring	3 s.h.
EDTC 6940	Distance Education and On-line Information Dissemination	3 s.h.
EDTC 6950	Principles, Processes, and Supervision of Networking	3 s.h.
EDTC 6960	Educational Technology and Professional Development	3 s.h.
EDTC 6965	Technology Planning for Instructional Environments	3 s.h.

Total Hours Required for Degree 33 s.h.

Technology Endorsement Courses

EDTC 6945	Action Research in Educational Technology*	3 s.h.
EDTC 6985	Portfolio in Educational Technology*	1 s.h.
EDTC 6990	Practicum in Educational Technology*	2 s.h.

Total Hours Required for Endorsement 24 s.h.

Total Hours Required for Degree and Endorsement 39 s.h.

Note: EDTC 6905 Technology Planning for Instructional Environments serves as a possible prerequisite to entrance into this program. It cannot serve as an option in the Department's Core Options.

Technology Endorsement

For individuals working toward the degree and endorsement, application for the technology endorsement may be made once the required courses under the Educational Technology courses and Technology Endorsement courses sections have been successfully completed, even though not all of the degree requirements have been met. Candidates seeking the technology endorsement, but not wanting the degree, need to complete only the 24 semester hours specified under the Educational Technology courses and Technology Endorsement courses sections; full admission to the program is also required.

*Courses Required for Endorsement

This endorsement component serves school personnel who hold a teaching certificate/license; the endorsement is applicable for grades K-12. Courses included in the endorsement components meet the standards established by the International Society for Technology in Education (ISTE) Standards for Technology Facilitation.

MASTER OF SOCIAL WORK

PROGRAM DIRECTOR

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ACCREDITATION—(The following is an addition to page 157 in *Graduate Bulletin 2006-2008*.)

The program has achieved candidacy accreditation status (February 2005) by the Council on Social Work Education and is currently seeking initial-accreditation status. Accredited degrees will be awarded to graduates retroactively once full accreditation status is achieved by the program.

ADMISSION REQUIREMENTS—(Additions the requirements on pages 157-158 in *Graduate Bulletin 2006-2008* are in bold; strikethrough indicates deletion.)

Regular Admission

In addition to the minimum School of Graduate Studies and Research admission requirements, all applicants must meet the following requirements for regular admission to the Master of Social Work program:

- an undergraduate degree from an accredited college or university;
- an unrecalculated cumulative grade point average of 3.0 (on a 4.0 scale) in all undergraduate coursework;
- work or volunteer experience related to preparation for professional social work practice;
- ~~the Miller Analogies Test (MAT) or Graduate Record Examination (GRE) with a preferred score at the 50th percentile or above;~~
- **basic computer skills necessary to succeed in graduate education;**
- three letters of recommendation completed on official forms. Recommendations should include one academic source, one professional source, and one additional source from either of the aforementioned;
- ~~a professional statement reflecting motivation for a career in social work, strengths and weaknesses as a social worker, and awareness of contemporary or social welfare issues;~~
- a professional statement reflecting how completion of the M.S.W. will impact upon the student's professional goals and objectives; and
- an optional personal interview and/or additional information as requested by the program's admission committee.

Provisional Admission

Applicants with an unrecalculated undergraduate cumulative grade point average of 2.7 to 2.99 (on a 4.0 scale) may be admitted provisionally. Applicants with an unrecalculated undergraduate cumulative grade point average of less than 3.0 (on a 4.0 scale) must achieve a score at the 30th percentile or above on the Miller's Analogy Test (MAT), or achieve a score at the 30th percentile or above on the verbal and analytical writing sections of the Graduate Record Examination general test (GRE). Applicants with unrecalculated undergraduate cumulative grade point averages of 3.0 or better (on a 4.0 scale) are not required to submit MAT or GRE scores.

Advanced Standing Program—(This progression option is an addition to pages 157-158 in *Graduate Bulletin 2006-2008*.)

The advanced standing program is accelerated for highly qualified graduates of the Council on Social Work Education (C.W.S.E.) accredited Bachelor of Social Work (B.S.W.) programs. Admission to this program is granted to applicants with superior academic and professional social work qualifications.

Applicants seeking admission to the Advanced Standing program must meet all admission requirements for the Master of Social Work program in addition to the following:

- possess a Bachelor of Social Work degree or its equivalent from a C.W.S.E. accredited program within six years prior to enrollment;
- have achieved an unrecalculated cumulative grade point average of at least a 3.25 (on a 4.0 scale) in all undergraduate coursework; and
- have achieved A's and B's in all junior and senior level social work courses.

COURSE OUTLINE—(The following is a change to pages 159-161 in *Graduate Bulletin 2006-2008*.)

Advanced Standing Program, Full-time Option

Fall Semester

SCWK 6908 Research	3 s.h.
SCWK 6909 Field Education II	3 s.h.
SCWK 7000 Advanced Direct Practice I	3 s.h.
SCWK 7002 Adversities and Resiliencies	3 s.h.
Substantive Course*	3 s.h.

Spring Semester

SCWK 6906 Business Skills for Social Workers	3 s.h.
SCWK 7003 Theory and Practice of Supervision	3 s.h.
SCWK 7004 Practice Evaluation	3 s.h.
SCWK 7009 Field Education III	3 s.h.
SCWK 7010 Advanced Direct Practice II	3 s.h.

Summer Semester

SCWK 7012 Field Experience IV	3 s.h.
SCWK 7013 Capstone	3 s.h.

Total	36 s.h.
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Regular Program, Four Year, Part-time Option—(This replaces the five year part-time option, which is no longer available.)

First Year, First Semester	
SCWK 6900 Human Behavior and the Social Environment I	3 s.h.
SCWK 6901 Oppression and Cultural Competence	3 s.h.
First Year, Second Semester	
SCWK 6905 Human Behavior and the Social Environment II	3 s.h.
Approved Elective	3 s.h.
Second Year, First Semester	
SCWK 6902 Social Welfare Policy and Program Analysis	3 s.h.
SCWK 7002 Adversities and Resiliences	3 s.h.
Second Year, Second Semester	
SCWK 6906 Business Skills for Social Workers	3 s.h.
SCWK 6908 Research	3 s.h.
Third Year, First Semester	
SCWK 6903 Social Work Foundation Practice	
SCWK 7004 Practice Evaluation	3 s.h.
SCWK 6904 Field Education I	3 s.h.
Third Year, Second Semester	
SCWK 6907 Social Work Foundation Practice II	3 s.h.
SCWK 7003 Theory and Practice of Supervision	3 s.h.
SCWK 6906 Field Education II	3 s.h.
Fourth Year, First Semester	
SCWK 7000 Advanced Direct Practice I Substantive Course*	3 s.h.
SCWK 7009 Field Education	3 s.h.
Fourth Year, Second Semester	
SCWK 7010 Advanced Direct Practice II	3 s.h.
SCWK 7012 Field Education IV	3 s.h.
SCWK 7013 Capstone	3 s.h.
Total	60 s.h.

* Depending on the student's substantive focus, one of the following classes may be taken.

SCWK 7006 Social Work in Aging	3 s.h.
SCWK 7007 Social Work in Child and Family Settings	3 s.h.
SCWK 7008 Social Work in Mental Health	3 s.h.

GRADUATE CERTIFICATES

ENTERPRISE RESEARCH PLANNING DEPARTMENT OF MANAGEMENT

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CERTIFICATE DESCRIPTION

This four-course certificate (11 semester hours) is designed to meet the needs of current M.B.A. students and M.B.A. graduates interested in enhancing their effectiveness in organizations using Enterprise Research Planning software, which is increasingly prevalent in today's business organizations. Students will have intensive hands-on experience with SAP-ERP software. The program covers topics such as ERP software evaluation and selection; materials management; configuration; and supply chain management. The overall goal of this certificate is to enable students (both current and future managers) in all areas of a business organization to be effective users of integrated ERP software and to be effective participants in managing the evaluation, installation, and use of ERP software.

CERTIFICATE REQUIREMENTS

Students must complete the following four courses:

MGT 6917	Information Systems for Management	2 s.h.
MGT 6921	Operations Management	3 s.h.
MGT 6968	Business Process Integration (BPI)	3 s.h.
MGT 6985	Supply Chain Management	3 s.h.

GRADUATE COURSES**BIOLOGICAL SCIENCES**

Robert E. Leipheimer, Chair
 4037 Ward Beecher Hall
 (330) 941-3601
 releipheimer@ysu.edu

6929/6929L **Functional Neuroanatomy.** An examination of the structure, function, integration, and cellular control of the brain and spinal cord. Three hours lecture, two hours lab. Students who have enrolled in BIOL 4929 will not receive credit for this course. Prereq.: BIOL 3730 or equivalent. (Change in course number and description) 4 s.h. + 0 s.h.

CIVIL AND ENVIRONMENTAL ENGINEERING

Scott C. Martin, Option Coordinator
 2445 Moser Hall
 (330) 941-3026
 smartin@ysu.edu

5882 **Foundation Engineering.** (New swing course) 3 s.h.

COUNSELING AND SPECIAL EDUCATION

Margaret Briley, Chair
 3305 Beeghly Hall
 (330) 941-3257
 mlbriley@ysu.edu

COUNSELING

7001 **Counseling Practicum I.** Supervised individual counseling practice with volunteer clients. Focus upon process, clarification, and resolution of counselee goals and counselor self-awareness/evaluation. Prereq.: COUNS 5898 or 6961, 6900, 6962, 6980 or 7013A and permission of Department of Counseling. (Change in prerequisite and course description) 3 s.h.

7009 **School Counseling Internship.** Supervised internship in approved school counseling programs. May be repeated to a maximum of 9 semester hours. For counseling majors or by permission of Department of Counseling. Prereq.: COUNS 7002. (Change in course description and hours) 3 s.h.

7010 **Community Counseling Internship.** Supervised internship in approved community agencies offering counseling and other mental health services. May be repeated to a maximum of 9 semester hours. For counseling majors or by permission of Department of Counseling. Prereq.: COUNS 7002. (Change in course description and hours) 3-8 s.h.

SPECIAL EDUCATION—(Several 5800 level Special Education courses were inadvertently omitted from the 2006-2008 Graduate Bulletin. The entire list is reprinted below.)

5802 **Education of Exceptional Children.** 3 s.h.

5810 **Introduction to Sign Language.** 3 s.h.

5828 **Education of Seriously Emotionally Disturbed Children and Youth.** (Change in prerequisite) 4 s.h.

5834 **Educational Strategies and Methods for Children and Youth with Moderate/Intensive Disabilities.** (Change in prerequisite) 4 s.h.

- 5835 Classroom Management for Exceptional Children and Youth. (Change in prerequisite) 4 s.h.
- 5836 Characteristics and Needs of Exceptional Childreand Youth with Moderate Intensive Disabilities. 4 s.h.
- 5851 Transition Planning, Social Skill Development, and Health-Related Issues. (Change in prerequisite) 4 s.h.
- 5853 Diagnosis and Intervention in Mathematics for Special Education. (Change in prerequisite) 3 s.h.
- 5858 Intervention Concepts and Strategies in Early Childhood Special Education. 2 s.h.
- 5863 Characteristics and Needs of Children and Youths with Mild/Moderate Disabilities: Learning Disabilities. (Change in prerequisite) 4 s.h.
- 5864 Service Coordination, Collaboration, and Consultation for Students with Special Needs. (Change in prerequisite) 4 s.h.
- 5865 Workshop in Special Education. May be repeated to a maximum of 12 semester hours. 1-4 s.h.
- 5866 Assessment and Referral of Exceptional Children and Youth for the Intervention Specialist. (Change in prerequisite) 3 s.h.
- 5867 Intervention and Remediation of Receptive/Expressive Language Dysfunction. (Change in prerequisite) 3 s.h.
- 5868 Mild/Moderate Disabilities Practicum. (Change in prerequisite) 4 s.h.
- 5870 Independent Study in Special Education. 1-4 s.h.
- 5871 Characteristics and Needs of Gifted Children. 3 s.h.
- 5878 Teaching Gifted and Talented Students. (Change in prerequisite) 4 s.h.
- 6982 Educational Assessment in Gifted and Special Education. Focuses on the educational assessment process as it applies to students with exceptionalities. Topics include a review of state and federal regulations, data collection techniques including both formal and informal methods, appropriate test preparation and interpretations, and design of identification and placement procedures. Prereq.: SPED 5871. (Change in prerequisite) 3 s.h.
- 7040 Field Experience in Gifted and Talented Education. Supervised field experience that incorporates theory, planning, and implementation of curriculum for gifted and talented students. Individual conferences and completion of contracted assignments. Prereq.: SPED 5871, 5878, 5879, 6982. (Change in prerequisite) 2 s.h.
- 7077 Leadership in Gifted and Disabilities Education. Focuses on leadership, administration, and supervision of a broad range of programs and services for students with exceptionalities (students with disabilities as well as gifted students). Topics include review of theoretical foundations, historical and sociological issues as these relate to education of special populations, as well as in-depth study of federal and state legal issues, differentiated programming and procedures, student identification and placement, individualized education plans, due process, least restrictive environment, and program monitoring and evaluation. Prereq.: SPED 5871, 5878, 5879. (Change in prerequisite) 3 s.h.

ECONOMICS

Tod Porter, Chair
303 DeBartolo Hall
(330) 941-3428
tsporter@ysu.edu

5856 Topics in Quantitative Economics. (New swing course) 3 s.h.

ENGLISH

Gary Salvner, Chair
202 DeBartolo Hall
(330) 941-3415
gsalvner@ysu.edu

6945 Theory of Professional and Technical Communication. Examines theory and research in professional and technical communication with emphasis on the application of theoretical concepts and empirical findings to practical problems in the field. Introduces students to theories and research methods through reading in current literature and through class research projects. (New course) 3 s.h.

6991 Special Topics M.F.A. Special topics in literature and creative writing for students in the Master of Fine Arts (M.F.A.) program in creative writing. May be repeated once. Prereq.: Acceptance into the M.F.A. program. (New course) 3 s.h.

GEOLOGICAL AND ENVIRONMENTAL SCIENCES

Alan M. Jacobs, Chair
2119 Moser Hall
(330) 941-2933
amjacobs@ysu.edu

GEOLOGY

6900 Geology Workshop. Intensive study and activity in a topic related to geology or geoscience education. May be repeated once. Grading is S/U. Prereq.: Consent of instructor. (New course) 1-6 s.h.

HISTORY

Martha Pallante, Chair
520 DeBartolo Hall
(330) 941-1607
mipallante@ysu.edu

6958 Historic Preservation Law. The study, theory, and practice of law as it relates to historic preservation. Prereq.: HIST 3715 or 6942. (New course) 3 s.h.

MATHEMATICS AND STATISTICS

Nathan P. Ritchey, Chair
1055 Cushwa Hall
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npritchey@ysu.edu

MATHEMATICS

6920 Advanced Topics in Algebra. A continuation of MATH 5821 with special emphasis on groups acting on sets, Sylow's Theorem and its applications, ring homomorphisms, ideals, and polynomial rings. Credit will not be given for both MATH 5822 and 6920. Prereq.: MATH 3721 or 5821. (Change in course title and description) 3 s.h.

6989 Doctoral Qualifier Problems. Intense review of undergraduate and graduate level linear algebra, abstract algebra, analysis, complex variable, and topology with emphasis on sample problems from qualifying exams at regional doctoral institutions. Prereq.: Consent of graduate coordinator. (New course) 3 s.h.

7005 Advanced Topics in Categorical Topology. Content varies with each offering, implements ideas from MATH 6915, 6980, 6981, and studies categorical methods in topology and related concrete categories. Emphasis on current literature and open questions. Prereq.: MATH 6915, 1980, 6981, or equivalent, or consent of graduate coordinator. May be repeated with approval of graduate coordinator. (New course) 3 s.h.

7015 Advanced Topics in Foundations of Topology. Content varies with each offering, implements ideas from MATH 6915, 6980, 6981, 6984, and studies foundations of topology from a variety of viewpoints (algebraic, categorical, logical, order theoretic, powerset theoretic, set theoretic, etc.). Emphasis on current literature and open questions. Prereq.: MATH 6915, 6980, 6981, 6984, or equivalent, or consent of graduate coordinator. May be repeated with approval of graduate coordinator. (New course) 3 s.h.

7025 Advanced Topics in General Topology. Content varies with each offering, implements ideas from MATH 6915, 6980, 6981, and studies various topics in point-set topology. Emphasis on current literature and open questions. Prereq.: MATH 6951, 6980, 6981, or equivalent, or consent of graduate coordinator. May be repeated with approval of graduate coordinator. (New course) 3 s.h.

7035 Advanced Topics in Lattice-Valued Topology. Content varies with each offering, implements ideas from MATH 6915, 6980, 6981, and studies topology from the standpoint of lattice-valued (fuzzy) subsets. Emphasis on current literature and open questions. Prereq.: MATH 6915, 6980, 6981, or equivalent, or consent of graduate coordinator. May be repeated with approval of graduate coordinator. (New course) 3 s.h.

7045 Advanced Topics in Topological Analysis. Content varies with each offering, implements ideas from MATH 6915, 6965, 6966, 6980, 6981, and studies the overlap between topology and abstract analysis (topological games, topological groups, separate versus joint continuity, etc.). Emphasis on current literature and open questions. Prereq.: MATH 6915, 6965, 6966, 6980, 6981, or equivalent, or consent of graduate coordinator. May be repeated with approval of graduate coordinator. (New course) 3 s.h.

7055 Seminar in Topology and Abstract Analysis. Content varies with each offering, implements ideas from MATH 6915, 6930, 6965, 6966, 6980, 6981, 6984, and focuses on current research activities of seminar participants. Student registrants are expected to make at least one major presentation each month of the term. Prereq.: Consent of graduate coordinator. May be repeated with approval of graduate coordinator. (New course) 3 s.h.

PHYSICAL THERAPY

Nancy Landgraff, Chair
 B086 Cushman Hall
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 nlandgraff@ysu.edu

6904 Clinical Education I. Initial clinical experience in evaluating and treating basic cases of illness/injury prevention, posture and movement dysfunction, and inter-professional practice. Six week full-time experience. Grade is S/U. Prereq.: Admission to M.P.T. program. (Change in course hours) 4 s.h.

6914 Clinical Education II. Second clinical experience in evaluating and treating a diverse caseload of illness/injury prevention, posture and movement dysfunction, and specialty practice. Includes supervision of support personnel, inter-professional evaluation and treatment, and administrative tasks. Six week full-time experience. Grade is S/U. Prereq.: Admission to the M.P.T. program. (Change in course hours) 4 s.h.

6919 Clinical Education III. Third clinical experience in evaluating and treating a diverse caseload of illness/injury prevention, posture and movement dysfunction, and specialty practice. Includes supervision of support personnel, inter-professional practice, administrative tasks, and effective time management. Five week full-time experience. Grade is S/U. Prereq.: Admission to the M.P.T. program. (Change in course hours) 4 s.h.

6920 Clinical Education IV. Final clinical experience in evaluating and treating a diverse caseload of illness/injury prevention, posture and movement dysfunction, and specialty practice. Collaborative client-orientated practice, professional conduct, and professional development. Fifteen weeks of full-time experience. Grade is S/U. Prereq.: Admission to M.P.T. program. (Change in course hours) 12 s.h.

6925 Applied Neuroscience for Physical Therapists. Introduction to the anatomy and physiology of the human central and peripheral nervous systems. Interaction and relationships between the various structures are described to understand movement, sensation, and higher cortical functions. Structure is related to function through clinical case examples with an emphasis on the importance for physical therapy assessment and intervention. Prereq.: Admission to M. P.T. program. (New course) 4 s.h.

6938 Special Topics in Physical Therapy. Special interest physical therapy topics, selected by the faculty, which reflect current trends and issues in physical therapy practice. May be repeated as desired. Prereq.: Admission to the M.P.T. program. (New course) 1-5 s.h.

PSYCHOLOGY

Vernon Haynes, Chair
319 DeBartolo Hall
(330)941-3401
vfhaynes@ysu.edu

6960 Fundamentals of Applied Behavior Analysis. An introduction to the scientific and theoretical foundation of applied behavior analysis including definitions and characteristics, principles and concepts, and behavior change procedures. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (Change in course description) 3 s.h.

6961 Foundations of Experimental Analysis of Behavior. An examination of the roles that consequences, and their scheduling, play in the acquisition, maintenance, and structure of behavior, mechanisms and theories about mechanisms by which consequences select and shape behavior, and issues surrounding methods, measurement, and quantification. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6962 Behavior Theory and Philosophy. Designed to help students understand the philosophical and theoretical underpinnings of behavior analysis and to become familiar with some of the controversial issues surrounding the field from both modern and historical perspectives. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6963 Behavioral Interventions. Introduction to the practice and application of empirically derived behavioral interventions, antecedent manipulations, extinction, differential reinforcement procedures, and punishment procedures for behavior maintained by social positive reinforcement, negative reinforcement, and automatic reinforcement. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6964 Observational Methods and Functional Assessment. Provides intensive instruction in functional assessment procedures and direct observation methods to be used by the applied behavior analyst in service delivery in community, mental health, and education settings. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6965 Behavioral Systems Analysis. The application of basic principles of behavior in business and industry settings. Students are expected to master fundamental principles of behavior analysis and apply those principles to a variety of performance problems in business and industry. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6966 Research Methods in Applied Behavior Analysis. Covers direct measurement, graphing data, visual inference, single-subject research methodology, program monitoring and evaluation, and ethical issues in applied behavior analytic research. Prereq.: Admission to M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6967 Ethics in Applied Behavior Analysis. Focuses on a wide array of socio-cultural issues, professional standards, and legal responsibilities. The student will be prepared to practice ethical professional behavior. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6968 Practicum I. Will follow the experience guidelines of the Behavior Analysis Certification Board (www.BACB.com), which requires 1,000 total hours of practicum experience. Students will work 20 hours per week at their practicum site (BACB requirement for Practicum). Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

6969 Practicum II. Will follow the experience guidelines of the Behavior Analysis Certification Board (www.BACB.com), which requires 1,000 total hours of practicum experience. Students will work 20 hours per week at their practicum site (BACB requirement for Practicum). Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3 s.h.

7060 Thesis. Design, proposal, completion, and reporting of scholarly research deemed acceptable by the BATC (Behavior Analysis Training Committee). A student may register for 6 s.h. in one semester or for 3 s.h. in each of two semesters. Prereq.: Admission to the M.S. in Applied Behavior Analysis program or permission of instructor. (New course) 3-6 s.h.

PUBLIC HEALTH

Nancy Mosca, YSU Program Coordinator
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(330) 941-1793
nwmosca@ysu.edu

Amy Lee, CEOMPH Program Director
Division of Community Health Sciences
NEOUCOM
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afl@neoucom.edu

6995 Special Topics. Specialized sections selected by faculty will focus on specific topics of current interest to public health practice. May be repeated with different topics up to 15 semester hours. Prereq.: Graduate standing, permission of program coordinator required for non-M.P.H. students. (New course) 1-5 s.h.

SOCIAL WORK

Michael Murphy, Chair
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mjmurphy.01@ysu.edu

6901 Oppression and Cultural Competence. Examination of the history, demographic trends, and cultures of diverse groups who have been disenfranchised based on differences that include race, gender, age, socioeconomic class, sexual orientation, religion, and ability. Emphasis will be placed on understanding the experience of oppression among diverse groups and the implications for social work practice. (Change in course title) 3 s.h.

7004 Practice Evaluation. Explores advanced techniques for evaluating systems of all sizes. Methods and strategies for conducting program evaluation and single system research will be emphasized. Special emphasis will be placed on developing strengths-based performance indicators. Prereq.: SCWK 6908. (Change in course description) 3 s.h.

7014 Selected Topics in Social Work. Advanced seminar on selected topics in social work theory, methods, and research. May be repeated with different topics. (New course) 3 s.h.

TEACHER EDUCATION

Dora L. Bailey, Chair
2406 Beeghly Hall
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dlbailey@ysu.edu

EARLY CHILDHOOD EDUCATION

6910 (ECE) Curriculum, Theories, and Methods in ECE, Pre K-Grade 3. Investigation of curriculum, theories, and assessment and how they relate to children's learning. Attention given to role of parents as teachers. (Change in course number and prerequisite) 3 s.h.

6911 (ECE) Early Childhood Pedagogy in Math and Science. By exploring math and science teaching practice for grades K-3, the candidates will review teaching methods of math and science, find and design math and science programs and lessons, incorporate the national and state standards in teaching math and science, and strengthen the assessment methods for classroom instruction. This course is linked to ECE 6921 in terms of an action research to solve real problems in teaching math and science for the participating teachers. (Change in course title and description) 4 s.h.

6920 (ECE) Current Issues in Early Childhood Education. Analysis of contemporary issues, trends, and current educational policies, which impact classroom practices. Includes service-learning component. Prereq.: ECE 6910 (Change in course title, description, and prerequisite) 3 s.h.

6921 (ECE) Action Research in Early Childhood Education, Pre K-Grade 3. Designed as a culminating experience. Direct participation is required for the successful completion of a field study, on-site project, or other classroom-based experience deemed suitable by the student's major faculty advisor. (Change in course title) 3 s.h.

LITERACY

6917 (TERG) Literacy, Reading, and Language Arts Programs. A critical appraisal of literacy, reading, and language arts programs in schools and an analysis of contemporary methodological issues. (Change in course description) 3 s.h.

6923 (TERG) Literacy and Phonics Instruction: Early Years. An investigation and research of the philosophy, principles, and practices of reading (including phonemic and phonetic development), and language arts, of the child, birth through age 8. Examination and application of formal and informal assessment procedures in the context of reading and language arts instruction. Language learning needs of diverse populations will be addressed. (Change in course title and description) 3 s.h.

6927 (TERG) Reading and Language Arts Assessment II. (Dropped course) 3 s.h.

6928 (TERG) Practicum: Case Study in Reading and Language Arts. Application of previous course content involves supervised formal and informal assessment of school-age pupils, developing an individualized reading plan, selecting appropriate strategies and materials for teaching, writing, tutoring log entries, developing a student portfolio, evaluating results of instruction, and writing a case study report. Prereq.: TERG 6926 (Change in prerequisite) 3 s.h.

6929 (TERG) **The Reading and Language Arts Professional.** Investigation of research, theories, and performance-based procedures for creating, analyzing, guiding, and changing school and system-wide reading and language arts programs. Prereq.: TERG 6926. (Change in prerequisite) 3 s.h.

MIDDLE CHILDHOOD EDUCATION

6950 (TEMC) **Pedagogical Content Knowledge in Mathematics for Middle School Teachers I.** Integrates mathematics content, mathematics pedagogy, and results from mathematics education research through direct instruction and inquiry-based experiences with manipulative materials and technology. Develops conceptual foundations through topics of number, number sense, and measurement; operations, functions, patterns, and algebra; and mathematical processes. Field experience in a middle grades learning environment is required. Prereq.: Middle Child Licensure in area(s) other than mathematics. (New course) 3 s.h.

6951 (TEMC) **Pedagogical Content Knowledge in Mathematics for Middle School Teachers II.** Integrates mathematics content, mathematics pedagogy, and results from mathematics education research through direct instruction and inquiry-based experiences with manipulative materials and technology. Develops conceptual foundations through topics of geometry, measurement, and spatial sense; data analysis and probability; and mathematical processes. Prereq.: Middle Childhood Licensure in area(s) other than mathematics, TEMC 6950. (New course) 3 s.h.

6952 (TEMC) **Science for Middle School Teachers I.** Using NSES/NSTA/NCATE and Ohio Standards as the framework, candidates engage in a purposefully integrated in-depth exploration of science content and pedagogy appropriate for middle grades teachers. Topics include content, inquiry, general skills of teaching, curriculum, assessment, safety and welfare, and professional growth. Experiences that integrate science content with processes and problem-solving skills for achieving life-long learning and science literacy will be emphasized. Portions of the course may be offered on-site, on-line, or as a combination of both. Field experience in a middle grades learning environment is required. Prereq: Admission to the School of Graduate Studies and Research and Middle Childhood Licensure in area(s) other than science. (New course) 3 s.h.

6953 (TEMC) **Science for Middle School Teachers II.** Using NSES/NSTA/NCATE and Ohio Standards as the framework, candidates engage in a purposefully integrated in-depth exploration of science content and pedagogy appropriate for middle grades teachers. Topics include content, nature of science, issues, science in the community, and professional growth. Experiences that integrate science content with processes and problem-solving skills for achieving life-long learning and scientific literacy will be emphasized. Portions of the course may be offered on-site, on-line, or as a combination of both. Field experience in a middle grades learning environment is required. Prereq.: Admission to the School of Graduate Studies and Research and Middle Childhood Licensure in area(s) other than science. (New course) 3 s.h.

6954 (TEMC) **Middle School: Theory, Research, and Practices.** Major concepts, research, and theories about the physical, cognitive, emotional, moral, and social development of students in grades 4-9. Research historical, philosophical, and organizational components of middle grades schools, including program assessment and evaluation of learning environments. Emphasis will be placed on research and position statements from National Middle School Association. Students will design an action research project to apply their understanding. Prereq.: Admission to School of Graduate Studies and Research. (New course) 3 s.h.

6955 (TEMC) Field Experience: Middle Years School/Community Collaboration. Field experience study of middle grades level school/community collaboration and opportunities for service learning to promote healthy development of early adolescents. Additional research into current issues and challenges facing middle schools today. Participants design, administer, and analyze an interview and survey instrument, and propose a collaborative service learning model. Prereq.: Admission to School of Graduate Studies and Research. (New course) 3 s.h.

ADOLESCENT/YOUNG ADULT

6960C (SEDUC) Special Methods: Science. Using NSTA/NCATE and Ohio content standards, candidates establish and maintain learning environments that provide diverse students with a holistic, interdisciplinary understanding of science. Background for teaching science, instructional strategies, classroom management, planning instruction, assessment, professional development, integration of content with inquiry emphasized. (New course) 3 s.h.

6960E (SEDUC) Special Methods: English. Exploring and demonstrating reflective teaching methods for adolescent learning of English: planning instruction, execution of teaching/learning activities, authentic assessment, interpreting academic standards, writing instructional objectives reports, portfolios, teaching files, classroom management for effective teaching. Study of successes in teaching English. (New course) 3 s.h.

6960M (SEDUC) Special Methods: Mathematics. Exploring and demonstrating reflective teaching methods for adolescent learning of mathematics: planning instruction, execution of teaching/learning activities, multiple representations of mathematical concepts, problem-solving strategies, authentic assessment, manipulative materials, mathematical communication, purposeful use of instructional technology, classroom management for effective teaching. (New course) 3 s.h.

6960S (SEDUC) Special Methods: Social Studies. Theory and practice in learning how to plan, execute, and evaluate social studies lessons that are empowering, interesting, and reflective. Topics include: creating thematic unit plans, interpreting academic standards, writing instructional objectives, creating authentic learning activities, authentic assessment, classroom management and democratic discipline. (New course) 3 s.h.

6965 (SEDUC) Supervised Student Teaching: High School. Full-time 16-week student teaching in grades 7-12 supervised by University faculty and experienced A/YA practitioners licensed in the teaching subject of the candidate. To be taken concurrently with SEDUC 6965A. Grading is S/U. Prereq.: Completion of all requirements for initial Adolescent/Young Adult licensure and permission of advisor. (New course) 5 s.h.

6965A (SEDUC) Student Teaching Seminar: High School. Seminar topics are based on pedagogy, knowledge and application of professional practice and standards, critical theory, and knowledge of the adolescent and young adult learner. Completion of the Teacher Work Sample is required. Grading is S/U. SEDUC 6965A is taken concurrently with Supervised Student Teaching: High School, SEDUC 6965. (New course) 1 s.h.

EDUCATIONAL TECHNOLOGY

6920 (EDTC) Instructional Design. Focuses on a systematic method for the design and development of instruction. Relevant literature reviewed. Candidates will apply instructional design principles and practices. Portions of the course may be offered on-site, on-line, or as a combination. Prereq.: EDTC 3771, or EDTC 6905, or permission of instructor. [Course was formerly EDTC 6972, Design Principles for Technology in Instruction 4 s.h.] (Change in course number, title, description, prerequisite, and hours) 3 s.h.

- 6930 (EDTC) **Instructional Multimedia Authoring.** Focuses on the application of instructional design principles to the design and development of a multimedia instructional program. Portions of the course may be offered on-site, on-line, or as a combination. Prereq.: EDTC 3771, or EDTC 6905, or permission of instructor. (New course) 3 s.h.
- 6940 (EDTC) **Distance Education and Online Information Dissemination.** Focuses on various aspects of distance education and online dissemination from planning to delivery. Social, legal, and ethical issues will also be covered. Portions of the course may be offered on-site, on-line, or as a combination. Prereq.: EDTC 3771, or EDTC 6905, or permission of instructor. (New course) 3 s.h.
- 6945 (EDTC) **Action Research in Educational Technology.** Focuses on action research as it applies to educational technology. Topics include research questions, methods, data collection and analysis, and conclusions. Portions of the course may be offered on-site, on-line, or as a combination. Prereq.: Admission to program and demonstration of NETS-T competency. (New course) 3 s.h.
- 6950 (EDTC) **Principles, Processes, and Supervision of Networking.** Provides theoretical foundation and hands-on experience needed for individuals who supervise the installation and/or operation of a network. Topics include hardware/software, system analysis and design, protocols, security, and case studies. Prereq.: EDTC 3771, or EDTC 6905, or permission of instructor. (New course) 3 s.h.
- 6960 (EDTC) **Educational Technology and Professional Development.** Focuses on the needs of the adult learner in educational technology professional development situations. Related learning theory, professional development models, and applications will be covered. Portions of the course may be offered on-site, on-line, or as a combination. Prereq.: EDTC 3771, or EDTC 6905, or permission of instructor. (New course) 3 s.h.
- 6965 (EDTC) **Technology Planning for Instructional Environments.** Focuses on designing, developing a technology plan, and evaluating facilities and resources. Topics include hardware/software, staff development, curriculum integration, accessibility, legal and ethical considerations, and funding. Portions of the course may be offered on-site, distance learning, or as a combination. Prereq.: EDTC 3771, or EDTC 6905, or permission of instructor. (New course) 3 s.h.
- 6985 (EDTC) **Portfolio in Educational Technology.** Designed to highlight candidate's knowledge of educational technology. Candidates may modify assignments from prerequisite courses to demonstrate knowledge and skills; modifications will not alter grades earned in other EDTC courses. Portfolio reviewed by EDTC faculty. Must be taken during the same semester as EDTC 6990 and successfully completed by end of the fifth week of the semester. Prereq.: Admission to program and EDTC 6920, 6930, 6940, 6945, 6950, 6060, and 6965. (New course) 1 s.h.
- 6990 (EDTC) **Practicum in Educational Technology.** Requires that the graduate candidate perform educational technology tasks in an instructional setting for a minimum of 30 clock hours. Candidate must enroll in this course during the same semester as EDTC 6985. Course completed in the last 10 weeks of the semester. Prereq.: Admission to program and EDTC 6920, 6930, 6940, 6945, 6950, 6960, 6965, 6985. (New course) 2 s.h.