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# Academic Calendar 2011–2012

## Fall 2011

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 15</td>
<td>Fri.</td>
<td>Last day to apply for graduate admission*</td>
</tr>
<tr>
<td>Aug. 26</td>
<td>Fri.</td>
<td>Open registration for current, reactivated former, transfer, transient, and graduate students ends</td>
</tr>
<tr>
<td>Aug. 29</td>
<td>Mon.</td>
<td>Fall term begins</td>
</tr>
<tr>
<td>Sept. 5</td>
<td>Mon.</td>
<td>University closed—legal holiday (Labor Day)</td>
</tr>
<tr>
<td>Sept. 6</td>
<td>Tues.</td>
<td>Last day to add classes</td>
</tr>
<tr>
<td>Sept. 16</td>
<td>Fri.</td>
<td>Last day to apply for fall graduation</td>
</tr>
<tr>
<td>Nov. 3</td>
<td>Thurs.</td>
<td>Last day to withdraw with a grade of W</td>
</tr>
<tr>
<td>Nov. 11</td>
<td>Fri.</td>
<td>University closed—legal holiday (Veteran’s Day)</td>
</tr>
<tr>
<td>Nov. 24</td>
<td>Thurs.</td>
<td>University closed—legal holiday (Thanksgiving)</td>
</tr>
<tr>
<td>Nov. 25</td>
<td>Fri.</td>
<td>University closed—legal holiday (Columbus Day observed)</td>
</tr>
<tr>
<td>Nov. 28</td>
<td>Mon.</td>
<td>Thanksgiving academic break ends</td>
</tr>
<tr>
<td>Dec. 12</td>
<td>Mon.</td>
<td>Final examinations begin</td>
</tr>
<tr>
<td>Dec. 18</td>
<td>Sun.</td>
<td>Deadline to submit theses to the School of Graduate Studies and Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fall term ends</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fall commencement</td>
</tr>
</tbody>
</table>

## Spring 2012

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov. 21</td>
<td>Mon.</td>
<td>Open registration for current, reactivated former, transfer, transient, and graduate students begins</td>
</tr>
<tr>
<td>Dec. 15</td>
<td>Thurs.</td>
<td>Last day to apply for graduate admission*</td>
</tr>
<tr>
<td>Dec. 23</td>
<td>Fri.</td>
<td>University closed—legal holiday (Christmas Day)</td>
</tr>
<tr>
<td>Dec. 26</td>
<td>Mon.</td>
<td>University closed—legal holiday (President’s Day observed)</td>
</tr>
<tr>
<td>Jan. 2</td>
<td>Mon.</td>
<td>University closed—legal holiday (New Year’s Day)</td>
</tr>
<tr>
<td>Jan. 13</td>
<td>Fri.</td>
<td>Open registration for current, reactivated former, transfer, transient, and graduate students ends</td>
</tr>
<tr>
<td>Jan. 16</td>
<td>Mon.</td>
<td>University closed—legal holiday (Martin Luther King Day)</td>
</tr>
<tr>
<td>Jan. 17</td>
<td>Tues.</td>
<td>Spring term begins</td>
</tr>
<tr>
<td>Jan. 24</td>
<td>Tues.</td>
<td>Last day to add classes</td>
</tr>
<tr>
<td>Feb. 3</td>
<td>Fri.</td>
<td>Last day to apply for spring graduation</td>
</tr>
<tr>
<td>Mar. 12</td>
<td>Mon.</td>
<td>Spring break begins</td>
</tr>
<tr>
<td>Mar. 18</td>
<td>Sun.</td>
<td>Spring break ends</td>
</tr>
<tr>
<td>Mar. 29</td>
<td>Thurs.</td>
<td>Last day to withdraw with a grade of W</td>
</tr>
<tr>
<td>May 7</td>
<td>Mon.</td>
<td>Final examinations begin</td>
</tr>
<tr>
<td>May 13</td>
<td>Sun.</td>
<td>Deadline to submit theses to the School of Graduate Studies and Research</td>
</tr>
<tr>
<td>May 19</td>
<td>Sat.</td>
<td>Spring term ends</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring commencement</td>
</tr>
</tbody>
</table>

## Summer 2012

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 27</td>
<td>Fri.</td>
<td>Open registration for current, reactivated former, transfer, transient, and graduate students begins</td>
</tr>
<tr>
<td>Apr. 15</td>
<td>Sun.</td>
<td>Last day to apply for graduate admission*</td>
</tr>
<tr>
<td>May 18</td>
<td>Fri.</td>
<td>Open registration for current, reactivated former, transfer, transient, and graduate students ends</td>
</tr>
<tr>
<td>May 21</td>
<td>Mon.</td>
<td>Full term and first six-week term begin</td>
</tr>
<tr>
<td>May 28</td>
<td>Mon.</td>
<td>University closed—legal holiday (Memorial Day)</td>
</tr>
<tr>
<td>May 29</td>
<td>Tues.</td>
<td>Last day to add classes for full term and first six-week term</td>
</tr>
<tr>
<td>June 8</td>
<td>Fri.</td>
<td>Last day to apply for summer graduation</td>
</tr>
<tr>
<td>June 14</td>
<td>Thurs.</td>
<td>Last day to withdraw with a grade of W for first six-week term</td>
</tr>
</tbody>
</table>

* Certain programs may have earlier deadlines.
June 18  Mon.  Middle six-week term begins
June 25  Mon.  Last day to add classes for middle six-week term
July 1  Sun.  First six-week term ends (final examinations are given during the last scheduled class period)
July 4  Wed.  University closed—legal holiday (Independence Day)
July 2  Mon.  Second six-week term begins
July 9  Mon.  Last day to add classes for second six-week term
July 12  Thurs.  Last day to withdraw with a grade of W for middle six-week term
July 26  Thurs.  Last day to withdraw with a grade of W for second six-week term
July 29  Sun.  Middle six-week term ends
Aug. 6  Mon.  Deadline to submit theses to the School of Graduate Studies and Research
Aug. 12  Sun.  Full term and second six-week term end (final examinations are given during the last scheduled class period)
Aug. 18  Sat.  Summer commencement

FALL 2012

July 15  Sun.  Last day to apply for graduate admission*
Aug. 21  Tues.  Open registration for current, reactivated former, transfer, transient, and graduate students ends
Aug. 22  Wed.  Fall term begins
Sept. 3  Mon.  University closed—legal holiday (Labor Day)
Aug. 29  Wed.  Last day to add classes
Sept. 14  Fri.  Last day to apply for fall graduation
Oct. 27  Sat.  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)
Nov. 23  Fri.  University closed—legal holiday (Columbus Day observed)
Nov. 26  Mon.  Thanksgiving academic break ends
Dec. 10  Mon.  Final examinations begin
Dec. 16  Sun.  Deadline to submit theses to the School of Graduate Studies and Research

* Certain programs may have earlier deadlines.
The School of Graduate Studies and Research

Other Regulations

Grading System

The following paragraph replaces the (I) incomplete grade policy on page 34 of the 2010-2012 Graduate Bulletin.

An incomplete grade of I may be given to a student who has been doing satisfactory work in a course but, for reasons beyond the control of the student and deemed justifiable by the instructor, had not completed all requirements for a course when grades were submitted. A letter grade may not be changed to an I (Incomplete) after the term has ended and grades have been recorded. A written explanation of the reason for the I must be forwarded by the instructor to the Office of Records for inclusion in the student's permanent record, with copies to the student and department chairperson. For fall term courses, the final date to complete an I will be March 1 of the following term; for spring term courses, September 1; for all summer term courses, October 1. With approval by the instructor and the dean of the college where the course is taught, the completion date may be extended. Courses not completed by the appropriate date will be converted to an F.

The following two paragraphs replaces the (W) withdrawal grade paragraph on page 34 of the 2010-2012 Graduate Bulletin.

A grade of W represents a withdrawal properly processed at any time from the end of the full-refund period through the last day to withdraw with a W (as published in the Academic Calendar for each semester). Withdrawal after the designated date (or an improper withdrawal) is recorded as F. Withdrawal thereafter (or improperly done, at any time) is recorded as F. If the grade resulted from circumstances over which the student had no control, the student may petition the dean of the School of Graduate Studies and Research for a late withdrawal. Any grade of F assigned because of absence may be reviewed upon petition to the dean of Graduate Studies and Research. Where withdrawals change the student's status from full-time to part-time, the student immediately forfeits any privileges contingent upon full-time status, and all interested parties will be notified by the appropriate university officials.

In the case of thesis work, independent study, and other courses where research or scholarship is still in progress at the time grades are to be reported, a PR may be reported in place of a conventional grade. The PR grade is intended to indicate that it is the nature of the scholarship rather than the student's ability to complete the work that is preventing the issuance of a conventional grade. A PR grade must be converted to a regular grade prior to graduation. However, a PR grade can remain on the student's permanent record if the course is not needed. A PR grade in and of itself will not prevent a student from graduating.
## Student Fees, Charges, and Fines 2011–2012

### Tuition

**Instructional Fee**
- **Graduate students**
  - 1–11 credits: $352.72 per credit
  - 12–16 credits: $4,232.64 per semester
  - Over 16 credits: $352.72 per credit
- **Master of Public Health program**: $530.00 per credit
- **Master of Fine Arts program**: $504.00 per credit

**Graduate Workshops Special Rates**
- **In-state participants**: $133.85 per credit
- **Regional service area participant**: $142.61 per credit
- **Nonregional service area participant**: $142.61 per credit

**General Fee (all students)**
- 1–11 credits: $50.65 per credit
- 12–16 credits: $607.80 per semester
- Over 16 credits: $46.51 per credit

**Information Services Fee (all students)**
- 1–11 credits: $9.54 per credit
- 12–16 credits: $114.48 per semester
- Over 16 credits: $9.54 per credit

**Nonresident Tuition Surcharge**
- **Regional Service Area**
  - **Graduate students**
    - 1–11 credits: $8.76 per credit
    - 12–16 credits: $105.12 per semester
    - Over 16 credits: $8.76 per credit
- **Outside Regional Service Area**
  - **Graduate students**
    - 1–11 credits: $8.76 per credit
    - 12–16 credits: $105.12 per semester
    - Over 16 credits: $8.76 per credit

### Housing Charges

**Room and Board**
- $7,900.00 per academic year
  - To be paid as follows:
    - Fall semester: $3,950.00
    - Spring semester: $3,950.00

**Single Room Surcharge**
- $870.00 per semester

**Security Deposit (Paid First Semester)**
- $200.00
Special Purpose Fees and Service Charges

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application fee, graduate</td>
<td>$30.00</td>
</tr>
<tr>
<td>Background check fee</td>
<td>$28.00</td>
</tr>
<tr>
<td>Check replacement fee</td>
<td>$25.00</td>
</tr>
<tr>
<td>Child preschool laboratory fee</td>
<td>$150.00 per semester</td>
</tr>
<tr>
<td>Duplicate diploma fee</td>
<td>$40.00</td>
</tr>
<tr>
<td>Fingerprinting fee (web check)</td>
<td>$37.00</td>
</tr>
<tr>
<td>Graduation fee</td>
<td>$65.00</td>
</tr>
<tr>
<td>ID replacement fee</td>
<td>$25.00</td>
</tr>
<tr>
<td>Inoculation fee—hepatitis series</td>
<td>$125.00</td>
</tr>
<tr>
<td>Inoculation fee—measles, mumps, rubella</td>
<td>$50.00</td>
</tr>
<tr>
<td>Inoculation fee—meningitis</td>
<td>$75.00</td>
</tr>
<tr>
<td>Inoculation fee—tetanus</td>
<td>$15.00</td>
</tr>
<tr>
<td>International graduate student credentials fee</td>
<td>$45.00</td>
</tr>
</tbody>
</table>

Technology/laboratory materials fee

<table>
<thead>
<tr>
<th>Level</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$35.00 per course</td>
</tr>
<tr>
<td>2</td>
<td>$50.00 per course</td>
</tr>
<tr>
<td>3</td>
<td>$65.00 per course</td>
</tr>
<tr>
<td>7</td>
<td>$20.00 per course</td>
</tr>
<tr>
<td>8</td>
<td>$25.00 per course</td>
</tr>
<tr>
<td>9</td>
<td>$25.00 per course</td>
</tr>
<tr>
<td>10</td>
<td>$200.00 per course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross anatomy</td>
<td>$187.00 per course</td>
</tr>
</tbody>
</table>

Level 7        $20.00 per course

Level 8        $85.00 per course

Level 9        $25.00 per course

Gross anatomy        $187.00 per course

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late application for graduation (after third week of the semester)</td>
<td>$38.50</td>
</tr>
<tr>
<td>Late class add fee</td>
<td>$50.00 per course</td>
</tr>
<tr>
<td>Late payment fee</td>
<td>$30.00</td>
</tr>
<tr>
<td>Late registration fee</td>
<td>$75.00</td>
</tr>
<tr>
<td>Parking permit</td>
<td>$100.00 per semester</td>
</tr>
<tr>
<td>Parking permit—summer term only</td>
<td>$51.00</td>
</tr>
<tr>
<td>Parking without permit</td>
<td>$5.00 per day</td>
</tr>
<tr>
<td>Peace Officer Training Academy fee</td>
<td>$300.00 per semester</td>
</tr>
<tr>
<td>Performance music (plus tuition)</td>
<td>$75.00 per credit</td>
</tr>
<tr>
<td>Physical Therapy doctoral acceptance deposit</td>
<td>$500.00</td>
</tr>
<tr>
<td>Proficiency examination</td>
<td>$45.00 per course</td>
</tr>
<tr>
<td>Returned check or credit card charge</td>
<td>$30.00</td>
</tr>
<tr>
<td>Rich Autism Center preschool program</td>
<td>$125.00 per week</td>
</tr>
<tr>
<td>Student health insurance**</td>
<td></td>
</tr>
<tr>
<td>Student locker rental (paid at Kilcawley Center)</td>
<td>$20.00 per year</td>
</tr>
<tr>
<td>Testing fee—MAT</td>
<td>$75.00</td>
</tr>
<tr>
<td>Thesis binding</td>
<td>$25.00</td>
</tr>
<tr>
<td>Transcript fee</td>
<td>$6.00</td>
</tr>
<tr>
<td>Transcript rush fee (same day, in person, or U.S. mail)</td>
<td>$12.00</td>
</tr>
<tr>
<td>Transcript rush fee (overnight express)</td>
<td>$35.00</td>
</tr>
</tbody>
</table>

** Current health insurance prices are available at http://healthclinic.ysu.edu, or at the Student Health Clinic in Kilcawley House.

** Library & Curriculum Resource Center

Overdue charges and loan periods differ by type of materials:

Most Library Books, CDs, Videos: No daily fines. At (15) days past due: $10.00 processing fee plus the item replacement cost.

OhioLINK Materials: Fine $0.50 per day to a maximum of $15.00, plus a $35.00 processing fee and $75.00 item replacement cost.
Reserves, MMC All Other, CRC Non-Print: $0.55 per hour/day to a maximum of $11.00, plus a $10.00 processing fee and the item replacement cost.

More information is available at http://www.maag.ysu.edu/service/circulation/circulation.html#loan

Parking Violations
Class I—Minor Violations
First offense $25.00
Second offense $30.00
Third offense $35.00

Class II—Major Violations $100.00

Class III—Legal Violations $150.00

More information available at http://www.ysu.edu/parking/violations.shtml

*The University reserves the right to change any fee without notice.*
Payment of Tuition and Fees

Tuition and fees for the semester are due on or before the date shown on statement of account. Statements are available to be viewed and printed online at MyYSU portal. Students may pay their bills online, 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. Students may pay by check (payable to Youngstown State University) or with Visa, MasterCard, or Discover Card. A payment plan that allows students to spread payments over a longer period is also available. Payment plan enrollment must be processed online.

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 no later than the 14th day of the semester to be eligible for a refund or reduction of charges. Nonattendance of class or notification to the instructor or department does not constitute an official withdrawal.

If the student fails to withdraw by the refund deadline, the student 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, the general fee, and the information services fee constitutes tuition.

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, the general fee, and the information services fee. Those students who are not legal residents of Ohio also must pay a surcharge.

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.

Information Services Fee

This fee is charged to all students each term and is applied on a per-credit basis to provide information technology infrastructure and services across campus, including the new Student Information Systems, wireless connectivity, classroom technology, and a continuous strengthening and securing of the computing and networking environment. It provides support for technology enhancements and initiatives contained within the IT Master Plan, supporting the vision to keep pace with an evolving, interactive, student-centered and collaborative electronic learning environment.
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.

Graduation Fee

A fee is charged for application for graduation.

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.

Transcript of Credits Charge

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. There is a charge for rush or overnight express requests.

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 (complete withdrawal), it is necessary to process a change of registration through BANNER online via the MyYSU Portal—Registration. It is the student’s responsibility to confirm that the withdrawal was correctly processed and the course(s) is/are deleted. Nonattendance of class, or notification to the instructor or department, does not constitute official withdrawal.

Effective Summer 2009, if a student is permitted to withdraw from the University or if a student reduces his or her academic load, a refund of the tuition charge, and the nonresident tuition surcharge (if applicable), shall be made in conformity with the following schedule for regularly scheduled courses:

<table>
<thead>
<tr>
<th>Length of course</th>
<th>100% refund</th>
<th>No reduction of charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 weeks or more</td>
<td>thru the 14th day*</td>
<td>15th day and later</td>
</tr>
<tr>
<td>Less than 6 weeks</td>
<td>15% of course</td>
<td>more than 15% of course</td>
</tr>
</tbody>
</table>

Note: Because access to change of registration is now available online 24/7, every day of the week is counted (including weekends and holidays) when calculating tuition refunds.

Note: For a complete withdrawal from any term, all applicable fees, fines, and penalties will be deducted from any refunds. If fees were paid by scholarship, loan, or grant-in-aid, the appropriate credit will be issued to the fund from which the initial payment was made. Student accounts paid with financial aid awards may be subject to a financial aid repayment. No refunds will be issued until after the 14th day of the term.

If a withdrawal is after the prescribed time limits (as indicated above), all tuition and other applicable fees and charges are forfeited. All applicable fees, fines, and penalties due must be paid before the refund is paid.

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.

* Because access to change of registration is now available online 24/7, every day of the week is counted (including weekends and holidays) when calculating tuition refunds.


Financial Assistance

Assistantships

The following shows an addition to the paragraph on stipend and remission of fees, page 48-49 of the 2010-2012 Graduate Bulletin. Addition is in boldface type.

Each assistantship carries a stipend and remission of instructional fees for up to 12 semester hours per semester, including the nonresident tuition surcharge and music performance fee, if applicable. It does not cover other fees that may be applicable, such as the general fee, technology fee, or charges for parking permits. Assistantships do not cover (1) courses taken on an audit basis, (2) undergraduate courses, or (3) graduate coursework that is not related to the degree program. The same remission will be applicable for the summer semester up to 12 semester hours for those who have held an assistantship during each of the two preceding semesters. The remission may be used for thesis hours taken in the summer, if the thesis advisor is available for frequent consultation in the summer and arrangements are made with the department for the workload credit given the thesis advisor to be charged against a semester of the regular academic year rather than against summer semester. Financial assistance will be terminated once the student has completed degree requirements.

Graduate assistants who have been admitted with undergraduate course deficiencies will make up course deficiencies by taking the appropriate courses at their own expense. This will be effective with all new graduate assistant appointments beginning Fall 2011.
Graduate Programs

Ph.D. in Materials Science and Engineering

Program Coordinator

Hazel Marie
2530 Moser Hall
(330) 941-3017
hmarie@ysu.edu

Program Description

The Doctor of Philosophy (Ph.D.) in Materials Science and Engineering is a cutting-edge program, employing state-of-the-art analytical materials instrumentation not found anywhere else in the region between Cleveland and Pittsburgh. Incorporating the research activities from the YSU Center of Excellence in Materials Science and Engineering (CEMSE) and the Ohio Hub for Innovation and Opportunity in Advanced Materials Commercialization, this program promotes the synergistic interaction of industrially focused research efforts of faculty, students, and commercial research partners leading to economic development of the region. The Ph.D. is specifically targeted at producing graduates who can find employment as an industrial research scientist or engineer.

Faculty Research Interests

Martin Abraham, Ph.D., Professor, Dean, College of Science, Technology, Engineering and Mathematics
Conversion of petrochemical and bio-based fuels into hydrogen; heterogeneous catalysis and reaction engineering; steam reforming catalysis for fuel cell applications

James Andrews, Ph.D., Professor
Optical materials, particularly polymeric and organic materials. Nonlinear and applied optics, multilayer optics, laser source development, magneto-optics, and optical metrology.

Pedro Cortes, Ph.D., Assistant Professor

Michael Crescimanno, Ph.D., Associate Professor

Allen D. Hunter, Ph.D., Professor
Scientific instrumentation, Cyber-Physical systems, and systems integration; synthesis and characterization of nanoscale molecular materials; Technology transfer/research with industry.

Anwarul Islam, Ph.D., Associate Professor
Impact of blast on highway bridges, use of CFRP in enhancing structural strength of concrete members, and structural health monitoring of bridges using wireless sensor network.

Frank X. Li, Ph.D., Associate Professor
Electron spin resonance imaging, EMC, RF and software engineering, networks, and applied magnetic fields.

Clovis Linkous, Ph.D., Associate Professor
Ceramic electrolytes, polymer membrane electrolytes, solid state hydrogen storage, photovoltaic materials, photocatalytic decomposition of hydrogen sulfide; algae inhibition.

Sherri Lovelace-Cameron, Ph.D., Associate Professor
Synthesis and electrochemistry of novel organometallic polymers, synthesis of metal organic frameworks.
Hazel Marie, Ph.D., Associate Professor
FEA/CFD modeling applied to solid-fluid interaction of thin film lubrication sealing; mechanical material modeling of soft biological tissue.

Peter Norris, Ph.D., Professor
Synthesis of novel monomers, oligomers, and polymers derived from carbohydrates; Environmentally friendly methods to organic synthesis; Catalytic decomposition of natural azide nad diazo.

Tom N. Oder, Ph.D., Associate Professor
Micro/Nano fabrication and characterization of electronic and opto-electronic devices of wide band gap semiconductors: SiC, group III-nitrides, ZnO.

Douglas Price, Ph.D., Associate Professor
Corrosion measurement and corrosion inhibition. Preparation of non-uniformly distributed catalysts. Carbon dioxide capture by sorbents and algal solutions.

Josef B. Simeonsson, Ph.D., Associate Professor
Analytical atomic and molecular spectroscopy, Trace and ultratrace analysis, Laser induced fluorescence spectroscopy, Laser ionization spectroscopy, Raman spectroscopy, Environmental analysis.

Virgil C. Solomon, Ph.D., Assistant Professor
Synthesis of shape memory alloys, ceramic-metal composites and nanostructures and their characterization using metallography, thermal analysis and analytical scanning and transmission electron microscopy techniques.

Timothy R. Wagner, Ph.D., Professor
Synthesis and characterization (X-Ray, SEM, TEM) of mixed anion inorganic materials; synthesis of ceramic oxides as precursors for preparation of novel ceramic-metallic composites.

Darrell Wallace, Ph.D., Associate Professor
Studies of heat transfer, wear, and energy efficiency characteristics and their relationship to manufacturing and materials processing.

Application Procedure

Program information may be obtained from the College of Science, Technology, Engineering and Mathematics and from the Ph.D. Program webpage http://www.ysu.edu/stem/phd/index.php. Application information may be obtained from the School of Graduate Studies and Research (http://web.ysu.edu/gradschool) and from Ph.D. Program admission webpage (http://www.ysu.edu/stem/phd/admissions.php). All application materials must be sent to the School of Graduate Studies and Research.

Application Requirements

Students with a B.S. or M.S. in materials science, materials engineering, or related fields (including chemistry, physics, or mechanical, chemical, electrical or civil engineering) can be admitted through the School of Graduate Studies and Research on a competitive basis up to the capacity of the program.

Requirements for admission to the Ph.D. program include the following:

- B.S. or M.S. degree in materials science, materials engineering, or related fields (including chemistry, physics, or mechanical, chemical, electrical or civil engineering);
- Un-recalculated cumulative undergraduate grade-point average of at least 3.0 on a 4.0 scale, or an un-recalculated graduate GPA of 3.3/4.0;
- GRE score are required. Scores in the following ranges generally reviewed favorably: Verbal = 500-800, Quantitative = 650-800, and Analytical Writing = 4.0-6.0;
- Completed application (see Ph.D. Program webpage: http://www.ysu.edu/stem/phd/index.php).

All applications will be reviewed by an admissions committee consisting of the program director and a group of program faculty of sufficient breadth to interpret the credentials of all members of the applicant pool. The selection/admission process is competitive; meeting eligibility criteria does not assure admission into the program. Applications received as complete by February 1st will have full consideration for fall admissions and
graduate assistant opportunities.

**Degree Requirements**

- 90 Semester Hours of Graduate Study
  - 16 Hours of Core Coursework
  - 12 Hours of Focused Electives, minimum
  - 6 Hours of Internship, maximum
  - 3 Hours of Seminar, maximum
  - Research, 30 Hours maximum
  - Dissertation

- Qualifying exam, based on the topics presented in the core curriculum, following the first year of study.
- Recommended internship program, usually through full-time paid employment at a partner company.
- Written research proposal, describing the work to be completed for the dissertation. The proposal will be presented orally and defended in front of the dissertation committee.
- Oral presentation of research accomplishments, approximately mid-way through the dissertation research at Seminar.
- Dissertation defended orally to the dissertation committee, which will also approve the final written document. Completion of the dissertation is the culminating experience of the Ph.D. program.

**Coursework:**

Materials Science and Engineering Course Core 16 s.h.
- MATL 7010 Analytical Methods for Materials Science I 2 s.h.
- MATL 7020 Analytical Methods for Materials Science II 2 s.h.
- MATL 8010 Structure of Materials 3 s.h.
- MATL 8020 Mechanical Properties of Materials 3 s.h.
- MATL 8030 Thermodynamics and Phase Behavior 3 s.h.
- MATL 8040 Kinetics, Diffusion and Rate Processes 3 s.h.

Materials Science and Engineering Research Core 74 s.h.
- MATL 6982 Graduate Research 21 s.h.
- MATL 6990 Seminar in Materials Science and Engineering 3 s.h.
- MATL 8050 Materials Internship 32 s.h.
- MATL 8060 Dissertation 6 s.h.
- Electives 12 s.h.

**Special Notes**

School of Graduate Studies and Research policies concerning transfer credits, time limits, and other academic matters must be followed.
Educational Specialist in School Psychology

Program Director

Audrey E. Ellenwood
3314 Beeghly Hall
(330) 941-3168
aellenwood@ysu.edu

Program Description

The school psychology program is housed in the Beeghly College of Education at Youngstown State University. Students who successfully complete 45 credit hours of coursework are awarded the Master of Education (M.Ed.) degree in Intervention Services. An additional 54 credit hours, including internship and a Change Project, are required for program completion and the awarding of the Educational Specialist (Ed.S.) degree in School Psychology. Candidates must also pass the PRAXIS II examination in school psychology for licensure in the State of Ohio and for certification by the National Association of School Psychologists (NASP).

The program provides a curriculum that is comprehensive, integrated, and sequential. It follows the school psychology standards set forth by the State of Ohio, NASP, and the National Council for the Accreditation of Teacher Education (NCATE). Courses reflect current advances in the field of school psychology and education. In addition, the program has a unique emphasis in low incidence disabilities. The program is committed to implementing and integrating the most current technology.

The school psychology program is structured so that course content is accompanied by appropriate field experiences. Practicum experiences are designed to provide students with opportunities to practice skills that are required in professional practice while under direct supervision. Practicum experiences occur in conjunction with specific courses and are individualized in terms of setting and assignment to a field supervisor.

An internship consisting of 15 semester hours during the third year of training is a culminating activity that provides students with the opportunity to develop professional competency while under supervision. The internship is completed on a full-time basis for nine months (1400 clock hours) in a school district, with supervision provided by appropriately licensed school psychologists.

Faculty Research Interests

Audrey E. Ellenwood, Ph.D., Associate Professor
Supervision issues, neuropsychological assessments, Wada Testing, family systems, cultural sensitivity enhancement, telepsychology, ADHD Issues, traumatic brain injuries, seizure disorders, autism, family therapy.

Richard W. Van Voorhis, D.Ed. NCSP, Assistant Professor
Role and function of school psychologists, career development topics, special education service delivery, low incidence disabilities, and assessment and identification issues.

Melinda L. Wolford, Ph.D., NCSP, Assistant Professor
Autism spectrum disorders, low incidence disabilities to include rare genetic syndromes, honoring different learning styles in the classroom setting, the effects of positive self-talk (redirecting thoughts), overall personal well-being, the effects of neurological disorders of childhood on behavioral response and learning.

Admission Requirements

The Youngstown State University school psychology program is a cohort-based program and will accept students on a full-time time basis. Part-time positions in the program are very limited and are only considered when space is available. The first year of the program commences during the summer. The requirements for applying to the YSU School Psychology program are:

- YSU Graduate Application available at http://web.ysu.edu/gradschool.
- A baccalaureate degree from a regionally accredited university or college.
- Minimum undergraduate unrecalculated cumulative GPA of at least 3.2 on a 4.0 scale.
Graduate Record Examination (GRE) Verbal and Quantitative Scores are required prior to applicant selection. Both Verbal and Quantitative scores should be greater than the 33rd percentile rank and a minimum Analytical Writing Score of 3.5 is recommended.

• Three letters of reference attesting to applicant's motivation, professional commitment, interpersonal and communication skills, and professional capabilities.

• Official transcripts from all previously attended institutions.

• A "Position Paper" describing (a) your motivation and reasons for coming to graduate school and selecting the field of school psychology, (b) what you hope to achieve in graduate school and in the area of school psychology, (c) what your aspirations are following the receipt of the graduate degree and completion of the program, and (d) your personal qualities which relate to success as a graduate student and school psychologist.

• Minimum of 8-9 semester hours of undergraduate work in psychology. Three of the hours must include general psychology. A minimum course grade of “B” or better in each class is required.

• Completion of a Good Moral Character statement which reflects no criminal convictions that impact your ability to work in educational settings.

INTERVIEW

Applicants with an unrecalculated GPA of 3.2 or higher will be considered for a personal interview with program faculty members. The on-campus interviews will be arranged by the program director. These interviews will be held to evaluate applicants in terms of fluent communication, interpersonal skills, professionalism, motivation, and maturity. Following interviews a final acceptance decision will be made.

ASSISTANTSHIPS

Candidates may wish to apply for a graduate assistantship for which a stipend and an instructional fee waiver are awarded. However, available assistantships are limited. Graduate assistantship applications can be obtained from the School of Graduate Studies and Research. As the deadline for graduate assistantship applications is March 1, these applications should be submitted with admission materials.

SCHOLARSHIPS

In the second semester of course work, students can apply to the School of Graduate Studies and Research for a graduate school scholarship which provides a partial waiver of instructional fees. Scholarships are only available for master level students.

APPLICATION DEADLINE

The application deadline for submission of materials is February 1. Late applications may be considered if there are remaining seats after the interview process.

DEGREE REQUIREMENTS

Master of Education in Intervention Services

Requirements for M.Ed. Degree in Intervention Services:
Successful completion of the following 42 credit semester hours and successful completion of comprehensive examination (capstone experience)

Required courses for the M. Ed. in Intervention Services are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPSY 6901/</td>
<td>System Wide Consultation/Collaboration in the</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPED 6901</td>
<td>Schools</td>
<td></td>
</tr>
<tr>
<td>SPED 6909/</td>
<td>Assessment and Intervention for Students with</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6909</td>
<td>Low Incidence Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 6912/</td>
<td>Multilevel Tier Interventions Across General</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6912/</td>
<td>Education Programming</td>
<td></td>
</tr>
<tr>
<td>COUN 6912</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>COUN 6962</td>
<td>Counseling Theory</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>COUN 6973</td>
<td>Group Counseling Theory and Practice</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>COUN 6973L</td>
<td>Group Counseling Laboratory</td>
<td>1 s.h.</td>
</tr>
<tr>
<td>COUN 7001/</td>
<td>Counseling Practicum I</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>COUN 6904/</td>
<td>Crisis Counseling</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6904</td>
<td>Human Growth and Development</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>PSYC 6905</td>
<td>Psychopathology</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6902</td>
<td>School Organization, Classroom Analysis, Cross Categorical Settings</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6905/</td>
<td>Cultural/Ethnic Issues Relating to Youth and Families</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6906</td>
<td>Role and Function of a School Psychologist</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 6907</td>
<td>Comprehensive Readings in School Psychology</td>
<td>3 s.h.</td>
</tr>
</tbody>
</table>

**Educational Specialist Degree in School Psychology**

Requirements for Ed.S. Degree in School Psychology:
Successful completion of 24 required credit semester hours; successful completion of 12 practicum required credit semester hours; successful completion of 21 internship credit semester hours; approval of professional internship competency notebook; and successful completion of Change Project (Capstone experience partial fulfillment of SPSY 7512, 7513, and 7514 requirements).

**Required Courses for the Ed. S. Degree in School Psychology are as follows:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPSY 7500</td>
<td>Dynamic Assessment I</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7503</td>
<td>Dynamic Assessment II</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7506</td>
<td>Consultation Approaches to Treatment in Schools</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7507</td>
<td>Classroom Assessment and Decision Making</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7508</td>
<td>Neuropsychology, Low Incidence, and Learning Behavior</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7509/</td>
<td>Family Systems Within an Educational Context</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>COUN 7509</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPSY 7510</td>
<td>Professional Development Seminar in School Psychology</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7511</td>
<td>School Psychology Internship Studies</td>
<td>3 s.h.</td>
</tr>
</tbody>
</table>

**Practicum Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPSY 7501</td>
<td>Dynamic Assessment Practicum in School Psychology I</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7502</td>
<td>Cognitive Observation Practicum</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7504</td>
<td>Dynamic Assessment Child Study Practicum II</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7505</td>
<td>Dynamic Assessment Advanced Child Study Practicum III</td>
<td>3 s.h.</td>
</tr>
</tbody>
</table>

**Internship Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPSY 7512</td>
<td>Internship/Supervised Experience I</td>
<td>6 s.h.</td>
</tr>
<tr>
<td>SPSY 7513</td>
<td>Internship/Supervised Experience II</td>
<td>6 s.h.</td>
</tr>
<tr>
<td>SPSY 7514</td>
<td>Internship/Supervised Experience III</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7515</td>
<td>Advanced Seminar in School Psychology I</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>SPSY 7516</td>
<td>Advanced Seminar in School Psychology II</td>
<td>3 s.h.</td>
</tr>
</tbody>
</table>
The following is an addition to page 62 of the 2010-2012 Graduate Bulletin.

ACCREDITATION

The Master of Arts in Art Education is accredited by the National Association of Schools of Art and Design (NASAD)
Master of Business Administration

Dean of the College of Business Administration

Betty Jo Licata
3409 Williamson Hall
(330) 941-2737
bjlicata@ysu.edu

M.B.A. Coordinator

Monique Bradford
1120 Williamson Hall
(330) 941-3069
mrbradford@ysu.edu

The following two paragraphs replace the two paragraphs under “Admission Requirements” on page 75 of the Graduate Bulletin 2010-2012.

Admission Requirements

Regular Admission

In addition to the minimum requirements for admission to the School of Graduate Studies and Research, requirements for regular admission to the program include a satisfactory score on the Graduate Record Examination (GRE) or the Graduate Management Admission Test (GMAT). A GRE score of 1000 or higher (verbal + quantitative) or a GMAT score of 460 or higher is strongly recommended for admission to the program. The GMAT/GRE requirement will be waived for individuals who hold a terminal degree such as a JD, MD, PhD, DMD, or DDS.

Applicants must also submit a resume and a letter of intent stating one’s professional goals and how the MBA will help fulfill said goals. An optional personal interview and/or additional information may be requested by the program’s admission committee.
MASTER OF FINE ARTS IN CREATIVE WRITING

CAMPUS COORDINATOR

Philip Brady
238 DeBartolo Hall
(330) 941-1952
psbrady@cc.ysu.edu

NEOMFA DIRECTOR

Mary Biddinger
355 Olin Hall
The University of Akron
Akron, OH 44325-1906
(330) 972-6328
neomfa@kent.edu

The following are changes to page 81 of the Graduate Bulletin 2010-2012. Addition and change are in bold type.

ADMISSION REQUIREMENTS

In addition to the minimum School of Graduate Studies and Research admissions requirements, applicants must submit three letters of recommendation and a substantive portfolio of creative work that includes either 15 to 20 pages of poetry or literary translation of poetry or 30 pages of fiction, creative nonfiction, playwriting, or prose literary translation. All portfolios must include at least one finished work. All items in the portfolio should be double-spaced. The letters of recommendation should come from individuals familiar with the applicant’s academic or professional background. The letters should include an assessment of the applicant’s current work quality and ability to successfully complete graduate training. Application to the M.F.A. program authorizes staff members at participating institutions to have access to all student academic records and application materials.

The NEOMFA program accepts students for fall admission only.

DEGREE REQUIREMENTS

All M.F.A. students must complete 48 semester hours in graduate-level courses. There are six areas of coursework in the M.F.A.: writing workshops (15 semester hours), craft and theory courses (nine semester hours), literature courses (six semester hours), internship (three semester hours), electives (nine semester hours), and thesis (six semester hours). The thesis must be submitted according to the general requirements established by the School of Graduate Studies and Research. The student is required to defend the thesis in an oral presentation before a committee of graduate faculty from a minimum of two consortium schools.
MASTER OF PUBLIC HEALTH

PROGRAM DIRECTORS

Joseph L. Mosca, Dean of the Bitonte College of Health and Human Services
2064 Cushwa Hall
(330) 941-3320
jmosca@ysu.edu

Keisha T. Robinson, YSU Program Coordinator
1080 Cushwa Hall
(330) 941-1901
ktrobinson@ysu.edu

Amy Lee, CEOMPH Program Director
Consortium of Eastern Ohio Master of Public Health
NEOUCOM
(330) 325-6179
afl@neoucom.edu

DEGREE REQUIREMENTS

The curriculum consists of eight core courses, directed elective, required capstone project, and electives. In addition, a portfolio, and an exit presentation are required. Students should plan on taking the core courses as a cohort. Core courses will be offered on Saturdays, one course in the morning and one in the afternoon. Students may take core courses in any one of the distance learning classrooms at the partner universities. Distance learning will involve interactive electronic technology and web-based learning. Students may take electives at any time in the program, and may select an elective from any of the partner universities from a list of approved electives.

If the student is interested in an elective that is not on the approved list, an Elective Approval form must be submitted, along with the course syllabus, for review and approval by the CEOMPH Curriculum Committee:

CEOMPH Curriculum Committee
Consortium of Eastern Ohio Master of Public Health
NEOUCOM
4209 State Route 44
PO Box 95
Rootstown, Ohio 44272

Students will be assigned an advisor upon entering the program. The advisor will offer guidance on choosing electives appropriate to student career goals and interest. Students must maintain a minimum GPA of 3.0. The program requires 42 semester hours to comply with accreditation criteria.

Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPH 6901</td>
<td>Public Health Concepts</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6902</td>
<td>Social and Behavioral Sciences in Public Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6903</td>
<td>Epidemiology in Public Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6904</td>
<td>Biostatistics in Public Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6905</td>
<td>Health Services Administration in Public Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6906</td>
<td>Environmental Health Sciences in Public Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6907</td>
<td>Grant Writing in Public Health Practice</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6908</td>
<td>Public Health Practice and Issues</td>
<td>3 s.h.</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPH 6907</td>
<td>Grant Writing in Public Health Practice (directed elective)</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6994</td>
<td>Individual Investigation in Public Health</td>
<td>1-3 s.h.</td>
</tr>
<tr>
<td>MPH 6996</td>
<td>Practicum</td>
<td>3 s.h.</td>
</tr>
</tbody>
</table>
Required Project  

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPH 6998</td>
<td>M.P.H. Capstone Project I</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6999</td>
<td>M.P.H. Capstone Project II</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>MPH 6997</td>
<td>M.P.H. Capstone Project (required)</td>
<td>3–6 s.h.</td>
</tr>
</tbody>
</table>

Total Hours Required for Degree  

42 s.h.
Master of Respiratory Care

INTERIM PROGRAM DIRECTOR

Joseph Mistovich
1074 Cushwa Hall
(330) 941-3326
jmistovich@ysu.edu

PROGRAM DESCRIPTION

The Master of Respiratory Care program has been designed specifically for respiratory therapists who desire to enhance their career options in clinical and/or leadership roles within the respiratory care profession. The many resources available to respiratory care practitioners through key professional organizations are also integrated throughout the program. The core of the program builds on skills related to clinical research, grant writing, leadership development, and technology applications related to educational/administrative settings. Specialty tracks encourage the student to further develop their skill base in education, management, and advanced clinical applications.

ADMISSION REQUIREMENTS

All respiratory care applicants must meet the following requirements:

- Regular admission requires an unrecalculated cumulative undergraduate grade-point average of at least 3.0 (on a 4.0 scale)
- Current state license as a respiratory care practitioner
- National Board for Respiratory Care (NBRC) professional RRT (advanced practitioner) credential
- Membership in the American Association for Respiratory Care (AARC) in order to access data/projects that will be needed in academic coursework
- An (optional) personal interview and/or additional information as requested by the program’s admission committee.
- Students not meeting regular admission requirements may be provisionally admitted. See the Graduate Bulletin under Provisional Admission.

Applicants must submit the following items to the School of Graduate Studies and Research:

- Official transcripts from each college or institution of higher learning attended (other than YSU)
- An official report of Graduate Record Examination (General Test) scores completed within the past five years
- Three (3) letters of recommendation from individuals familiar with the applicant’s academic or professional background
- A letter of intent stating one’s professional goals and how graduate education in respiratory therapy will help fulfill said goals

DEGREE REQUIREMENTS

Required Core Courses (24 s.h. required)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESC 6900</td>
<td>The Respiratory Care Profession</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>RESC 6950</td>
<td>Respiratory Care Research</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>HHS 6981</td>
<td>Grant Writing</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>RESC 6906</td>
<td>Respiratory Care Seminar</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>RESC 6908</td>
<td>Leadership Development in Respiratory Care</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>AHLT 5807</td>
<td>Epidemiology for Health Care Practitioners</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>RESC 6920</td>
<td>Technology Applications in HHS</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>CJFS 6942</td>
<td>Research and Statistics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>RESC 6922</td>
<td>Special Topics in Respiratory Care</td>
<td>1-3 s.h.</td>
</tr>
</tbody>
</table>

**Education/Management/Therapeutic and Monitoring Tracks (12 s.h. required)**

(Students are required to take a minimum of 4 classes from 3 individual tracks)

**Education**

- RESC 6910 Competency Assessment in Respiratory Care 3 s.h.
- RESC 6915 Education and Accreditation in Respiratory Care 3 s.h.

**Management**

- HHS 6922 Planning and Fiscal Management 3 s.h.
- RESC 6930 Managing Respiratory Services 3 s.h.

**Therapeutic and Monitoring Applications**

- RESC 6943 Advanced Monitoring/Therapeutics 3 s.h.
- RESC 6926 Advanced Mechanical Ventilation 3 s.h.

**Recommended Electives (3 s.h. required)**

- BIOL 5834/L Advanced Systems Physiology I 4 s.h.
- BIOL 5835/L Advanced Systems Physiology II 4 s.h.
- AHLT 5816 Environmental Regulations for Health Care 3 s.h.
- HHS 6950 Professional Codes in Health Care 3 s.h.
- HHS 6958 Health Service Issues 3 s.h.
- AHLT 5840 Comparative Health Care 4 s.h.

Other electives may be approved by program director or faculty advisor.

**Total Hours Required for Degree** 39 s.h.
Master of Science in Education – Special Education

Program Director
Jake J. Protivnak, Department Chair
3305 Beeghly College of Education
(330) 941-1936
jjprotivnak@ysu.edu

Admission to the Gifted and Talented Education Specialist Option has been suspended.

Gifted and Talented Education Specialist Option

The following is a previously approved change to the Gifted and Talented Education Specialist option.

The gifted and talented education specialist option prepares students to teach gifted and talented children as well as to develop advanced cognitive and leadership skills appropriate to the specialization area. Candidates must meet the general education requirements for graduate programs in the College of Education. Those completing the program will be eligible for an Ohio licensure in gifted education.

Successful completion of a comprehensive examination in the area of specialization is required before graduation.

<table>
<thead>
<tr>
<th>Core Curriculum</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 5879</td>
<td>Consultation with Gifted/Talented Students and Their Families</td>
</tr>
<tr>
<td>SPED 5802</td>
<td>Education of Exceptional Children and Youth</td>
</tr>
<tr>
<td>SPED 5871</td>
<td>Characteristics and Needs of Gifted Children</td>
</tr>
<tr>
<td>SPED 5878</td>
<td>Teaching Gifted/Talented Students</td>
</tr>
<tr>
<td>SPED 6982</td>
<td>Educational Assessment in Gifted and Special Education</td>
</tr>
<tr>
<td>SPED 7040</td>
<td>Field Experience in Gifted and Talented Education</td>
</tr>
<tr>
<td>SPED 7077</td>
<td>Leadership in Gifted and Disabilities Education</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foundations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FOUN 6904</td>
<td>Introduction to Educational Research</td>
</tr>
</tbody>
</table>

And 3 hours from the following:

<table>
<thead>
<tr>
<th>Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FOUN 6901</td>
<td>Philosophical Analysis of Education or</td>
</tr>
<tr>
<td>FOUN 6902</td>
<td>Sociological Bases of Education or</td>
</tr>
<tr>
<td>FOUN 6905</td>
<td>Educational Challenges in Historical Perspective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cognate Area</th>
<th></th>
</tr>
</thead>
</table>

Coursework may be selected with advisor’s approval. Please note that a cognate area is not intended to qualify a person for licensure. In some instances, however, students may be able to expand work in a cognate area to meet the requirements for licensure (or validation of an existing licensure) in that area.

<table>
<thead>
<tr>
<th>Electives</th>
<th></th>
</tr>
</thead>
</table>

3 s.h. with advisor’s approval

Total Hours Required for Degree

33 s.h. 36 s.h.
Master of Science in Education—Teacher Education

Program Director

Dora L. Bailey
2406 Beeghly Hall
(330) 941-3251
dlbailey@ysu.edu

The following is an addition to page 132 of the Graduate Bulletin 2010-2012.

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 (NAEYC2003, 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. This program area is available in both traditional and distance learning formats. It is highly recommended that TCED 6909, An Orientation to On-Line Learning, be taken BEFORE a candidate takes a distance learning course in the ECE graduate program.
Master of Science in Nursing

The following are additions and changes to pages 142-145 of the Graduate Bulletin 2010-2012.

Clinical Options

Clinical Nurse Specialist—Chronic Illness Care
Family Nurse Practitioner (FNP)
School Nurse
Nurse Anesthetist
Nurse Education

Admission Requirements

In addition to the School of Graduate Studies and Research admission requirements, all nursing applicants must meet the following requirements:

- Regular admission requires an unrecalculated cumulative undergraduate grade point average of at least 3.0 (on a 4.0 scale)
- Satisfactory completion of undergraduate courses in health assessment, statistics, and research methods
- Hold a B.S.N. degree from an accredited program
- Eligibility for Ohio licensure as a registered nurse
- Current CPR certification and current immunizations are to be maintained while in the program
- All nurse anesthetist and family nurse practitioner (FNP) applicants must submit an official report of Graduate Record Examination (General Test) scores completed within the past five years. The Graduate Record Examination requirement is waived for FNP applicants who already have a Master of Science in Nursing. Clinical Nurse Specialist applicants with an unrecalculated cumulative grade point average of less than 3.0 (on a 4.0 scale) must submit an official report of Graduate Record Examination (General Test) scores completed within the past five years.
- Official transcripts from each college or institution of higher learning attended (other than YSU)
- Three letters of reference: one each from a faculty member, an employer, and a colleague
- A 300-word essay (letter of intent) stating one’s professional goals and how graduate education in nursing will help fulfill said goals
- Required interview for all FNP applicants meeting minimum requirements.
- Students not meeting regular admission requirements may be provisionally admitted. See the Graduate Bulletin under Provisional Admission.

Application deadline for Family Nurse Practitioner (FNP) option: April 1. The FNP option is a cohort-based program (beginning each fall)

Degree Requirements

The areas of coursework in the M.S.N. program include core courses (15 semester hours), and one of the following five four options: the clinical nurse specialist—chronic illness care option (27 semester hours), family nurse practitioner option (37 s.h.), the school nurse option (27 semester hours), the nurse anesthetist option (34 semester hours), or the nurse education option (27 semester hours).

Family Nurse Practitioner (FNP) Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6903</td>
<td>Advanced Pharmacology</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>NURS 6904</td>
<td>Advanced Health Assessment</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>NURS 7003</td>
<td>Role Development</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>NURS 7004</td>
<td>Role Development Practicum</td>
<td>5 s.h.</td>
</tr>
<tr>
<td>NURS 7024</td>
<td>Family and Women’s Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>NURS 7025</td>
<td>Family and Women’s Health Practicum</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>NURS 7026</td>
<td>Infant, Child, and Adolescent Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>NURS 7027</td>
<td>Infant, Child, and Adolescent Health Practicum</td>
<td>5 s.h.</td>
</tr>
<tr>
<td>NURS 7028</td>
<td>Adult and Older Adult Health</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>NURS 7029</td>
<td>Adult and Older Adult Health Practicum</td>
<td>5 s.h.</td>
</tr>
</tbody>
</table>
Graduate Certificate

Bioethics

The graduate certificate in Bioethics has been discontinued.
Graduate Courses

Chemistry

Daryl W. Mincey, Chair
5053 Ward Beecher Hall
(330) 941-3663
dwmincey@cc.ysu.edu

6979 Teaching Practicum for Chemistry in Modern Living Lab. Teaching strategies in the Chemistry in Modern Living Laboratory. Students will meet with course coordinator and must demonstrate proficiency in the material to be presented in CHEM 1500L. Grading for CHEM 6979 is S/U. Prereq. or concurrent: CHEM 6975. May be repeated for a total of six semester hours for CHEM 6976, 6977, 6978, and 6979. (Change course title and description) 2 s.h.

Counseling and Special Education

Jake J. Protivnak, Chair
3305 Beeghly Hall
(330) 941-1936
jjprotivnak@ysu.edu

Counseling

6904 Crisis Counseling. An overview of the professional concerns and issues school psychologists face working in public school systems. Orientation and preparation for the supervised internship experience will be discussed; future responsibilities as a professional and staff consultant. Legal and ethical issues pertaining to the role of a school psychologist will be reviewed. (New course) 3 s.h.

6905 Cultural/Ethnic Issues Relating to Youth and Families. Introduces pertinent theoretical cultural issues which relate to mental health professionals as they work with diversified populations. In particular, therapeutic skill enhancement of professionals will be advanced, since all counseling may be seen as cross-cultural. Group work and experiential exercises will provide an avenue for the professional and personal cultural growth of each participant. The goal is to also enhance participant's level of cultural sensitivity. (New course) 3 s.h.

6911 International Area Study: Project Learning Around the World. This course is designed to enhance mental health or teacher's professional and personal level of sensitivity and competence via introducing them to innovative and traditional forms of intervention or healing in community and school settings in a developing country. Students will participate in philanthropic activities by helping to gather and deliver educational supplies via Project Learning Around the World (www.platw.org). (New course) 3 s.h.

6912 Multilevel Tier Interventions Across General Education and Special Education Programming. Direct experiences in planned multilevel interventions across the three tiers of services within educational school systems for regular education and children with disabilities. Participation in RTI team meetings, curriculum academic and applied and functional behavioral analysis, progress monitoring, goal attainment scaling and determining effectiveness of intervention plans will be introduced. (New course) 3 s.h.

7509 Family Systems Within an Educational Context. The focus of the didactic and experiential course will be on identifying patterns of children's symptoms, repositioning of the therapist within the educational system context and learning various therapeutic techniques to use with families of children with disabilities or other mental health issues. (New course) 3 s.h.

Special Education

6901 System-Wide Consultation/Collaboration in the Schools. Current educational practices have made collaboration an essential way education professionals do their work. This course will cover the theoretical bases and consultation/collaboration skills necessary for affecting change in the educational environment from a system wide perspective. The aim of this course is to prepare Intervention Services students to function as collaborative
consultants promoting systematic and planned strategies for use within the public schools and with families with children with disabilities. (New course) 3 s.h.

6905 Cultural/Ethnic Issues Relating to Youth and Families. Introduces pertinent theoretical cultural issues which relate to mental health professionals as they work with diversified populations. In particular, therapeutic skill enhancement of professionals will be advanced, since all counseling may be seen as cross-cultural. Group work and experiential exercises will provide an avenue for the professional and personal cultural growth of each participant. The goal is to also enhance participant's level of cultural sensitivity. (New course) 3 s.h.

6909 Assessment and Intervention for Students with Low Incidence Disabilities. Emphasis will be on current most effective practices of the professional collaboration process across three tiers of service to include specific models and strategies for students in general education and especially those with autism and/or a low incidence disability. Candidates will develop a team training model and will evaluate evidence-based practices. (New course) 3 s.h.

6911 International Area Study: Project Learning Around the World. This course is designed to enhance mental health or teacher's professional and personal level of sensitivity and competence via introducing them to innovative and traditional forms of intervention or healing in community and school settings in a developing country. Students will participate in philanthropic activities by helping to gather and deliver educational supplies via Project Learning Around the World (www.platw.org). 3 s.h.

6912 Multilevel Tier Interventions Across General Education and Special Education Programming. Direct experiences in planned multilevel interventions across the three tiers of services within educational school systems for regular education and children with disabilities. Participation in RTI team meetings, curriculum academic and applied and functional behavioral analysis, progress monitoring, goal attainment scaling and determining effectiveness of intervention plans will be introduced. (New course) 3 s.h.

6914 Behavior Management for Educators. Classroom application consistent with the study of behavior management with a focus on ethical strategies and implementation of intervention techniques for learners with mild/intensive exceptional learning needs. Successful completion of a 30-hour field experience is required. Prereq.: Successful completion of SPED 6906 or concurrent enrollment in SPED 6906. (New course) 3 s.h.

6927 Curriculum Design, Adaptations and Resources for Learners with Mild/Moderate Exceptional Learning Needs. Knowledge of curriculum terminology, approaches and models, content, and design to provide and enhance access to the general curriculum for students with exceptional learning needs. Course focuses on the skills to select and implement curricular adaptations for learners with exceptional learning needs within the general education classroom. Prereq.: Successful completion of SPED 6906. May be taken concurrently with SPED 6929. (New course) 3 s.h.

6930 Instructional Methodologies for Learners with Mild/Moderate and Moderate/Intensive Exceptional Learning Needs. This course is designed to provide candidates with the opportunity to research, study, apply and analyze instructional strategies and delivery systems in the four major content areas. The candidates will use the referenced strategies to both support and promote single subject and cross-curricular high quality instruction for candidates with special needs. Prereq.: Successful completion of SPED 6910, 6927, 6928, 6929. (New course) 3 s.h.

6993 Health and Related Issues in Early Childhood Special Education. A study of curricular experiences focusing on those aspects of early childhood special education dealing with the instructional applications of technology and the use of adaptive equipment and related services as these relate to technologically dependent or chronically ill children. (Drop prerequisite) 2 s.h.

School Psychology

6901 System-Wide Consultation/Collaboration in the Schools. Current educational practices have made collaboration an essential way education professionals do their work. This course will cover the theoretical bases and consultation/collaboration skills necessary for affecting change in the educational environment from a system wide perspective. The aim of this course is to prepare Intervention Services students to function as collaborative consultants promoting systematic and planned strategies for use within the public schools and with families with children with disabilities. (New course) 3 s.h.
6902 School Organization, Classroom Analysis, Cross-Categorical Settings. Provides students in the school psychology program with the opportunity to observe and participate in educational regular education (K-12) and special education settings (SLD, CD, ED, MH, Autistic clinics, for B-21 years of age) in order to understand the organization of educational institutions they will ultimately serve as well as student population characteristics to understand the organization of educational institutions they will ultimately serve. (New course) 3 s.h.

6904 Crisis Counseling. An overview of the professional concerns and issues school psychologists face working in public school systems. Orientation and preparation for the supervised internship experience will be discussed; future responsibilities as a professional and staff consultant. Legal and ethical issues pertaining to the role of a school psychologist will be reviewed. (New course) 3 s.h.

6905 Cultural/Ethnic Issues Relating to Youth and Families. Introduces pertinent theoretical cultural issues which relate to mental health professionals as they work with diversified populations. In particular, therapeutic skill enhancement of professionals will be advanced, since all counseling may be seen as cross-cultural. Group work and experiential exercises will provide an avenue for the professional and personal cultural growth of each participant. The goal is to also enhance participant’s level of cultural sensitivity. (New course) 3 s.h.

6906 Role and Function of a School Psychologist. An overview of the professional concerns and issues school psychologists face working in public school systems. Orientation for a supervised internship experience will be discussed; future responsibilities as a professional and staff consultant. Historical, legal and ethical issues pertaining to the role of a school psychologist will be reviewed. (New course) 3 s.h.

6907 Comprehensive Readings in School Psychology. Provides supervised readings and class discussions in preparation for the master’s comprehensive examination. (New course) 3 s.h.

6909 Assessment and Intervention for Students with Low Incidence Disabilities. Emphasis will be on current most effective practices of the professional collaboration process across three tiers of service to include specific models and strategies for students in general education and especially those with autism and/or a low incidence disability. Candidates will develop a team training model and will evaluate evidence-based practices. (New course) 3 s.h.

6911 International Area Study: Project Learning Around the World. This course is designed to enhance mental health or teacher's professional and personal level of sensitivity and competence via introducing them to innovative and traditional forms of intervention or healing in community and school settings in a developing country. Students will participate in philanthropic activities by helping to gather and deliver educational supplies via Project Learning Around the World (www.platw.org). (New course) 3 s.h.

6912 Multilevel Tier Interventions Across General Education and Special Education Programming. Direct experiences in planned multilevel interventions across the three tiers of services within educational school systems for regular education and children with disabilities. Participation in RTI team meetings, curriculum academic and applied and functional behavioral analysis, progress monitoring, goal attainment scaling and determining effectiveness of intervention plans will be introduced. (New course) 3 s.h.

7500 Dynamic Assessment I. This course is designed for the school psychology student and includes the administration and interpretation of intelligence tests. The goal of this course is to provide students with a series of experiences which will lead to student mastery in the administration, scoring, and interpretation of various cognitive instruments and one achievement test. Concurrent: SPSY 7501 and 7502. (New course) 3 s.h.

7501 Dynamic Assessment Practicum in School Psychology I. Supervised experience in the administration and scoring of cognitive assessment protocols and demonstration of behavioral observation recording. Concurrent: SPSY 7500 and 7502. (New course) 3 s.h.

7502 Cognitive Observation Practicum. Supervised experience in the administration of various psychological instruments. Concurrent: SPSY 7500 and 7501. (New course) 3 s.h.

7503 Dynamic Assessment II. This course is designed to provide school psychology candidates with a theoretical foundation and the attainment of assessment skills in the areas of achievement, perceptual-motor, receptive, expressive, written language skills, behavioral, self-concept, emotional, developmental history and adaptive behavior assessment. Concurrent: SPSY 7504 and 7505. Prereq.: Candidates must have obtained a B or better and
reached competence in SPSY 7500, 7501, and 7502. (New course) 3 s.h.

7504 Dynamic Assessment Child Study Practicum II. Candidates are provided supervised practicum experience utilizing a systematic, ecological approach to child study. Concurrent: SPSY 7503 and 7505. Prereq.: Candidates must have obtained a B or better and reached competence in SPSY 7500, 7501, and 7502. (New course) 3 s.h.

7505 Dynamic Assessment Advanced Child Study Practicum III. Candidates are provided with advanced supervised practicum experiences in school systems in the area of child study. Concurrent: SPSY 7503 and 7504. Prereq.: Candidates must have obtained a B or better and reached competence in SPSY 7500, 7501, and 7502. (New course) 3 s.h.

7506 Consultation Approaches to Treatment in Schools. This course presents assessment procedures for ecological contexts and client needs within school contexts. Concurrent: SPSY 7507. (New course) 3 s.h.

7507 Classroom Assessment and Decision Making. The purpose of this course is to analyze and assess problems related to classroom learning environments, to plan programs to enhance environments, and to implement as well as evaluate plans. The aim of this course is to prepare school psychology students to function effectively within public school classrooms by applying various consultation models. Concurrent: SPSY 7506. (New course) 3 s.h.

7508 Neuropsychology, Low Incidence and Learning Behavior. This course is designed to provide the basics of neuroanatomy, specifically, in terms of brain organization and neurological development. Prereq.: SPSY 7500, 7501, and 7502. (New course) 3 s.h.

7509 Family Systems Within an Educational Context. The focus of the didactic and experiential course will be on identifying patterns of children’s symptoms, repositioning of the therapist within the educational system context and learning of various therapeutic techniques to use with families of children with disabilities or other mental health issues. (New course) 3 s.h.

7510 Professional Development Seminar in School Psychology. This course is designed to prepare and ready school psychology candidates for their proposed internship assignment. (New course) 3 s.h.

7511 School Psychology Internship Studies. Supervised readings and class discussions in preparation for a 1400-clock-hour internship in school psychology. (New course) 3 s.h.

7512, 7513, 7514 Internship/Supervised Experience I, II, III. Designed for those candidates who have been assigned a 1400-clock-hour internship in the state of Ohio under field and university supervision. (New course) 6 s.h., 6 s.h., 3 s.h.

7515 Advanced Seminar in School Psychology I. First of two-semester seminars (special topics related to school psychology internship, child study, serving low incidence populations, consultation, RTI and other topics related to the internship experience). Prereq.: concurrent with SPSY 7512. (New course) 3 s.h.

7516 Advanced Seminar in School Psychology II. Second of two-semester seminars (special topics related to school psychology internship, child study, serving low incidence populations, consultation, RTI and other topics related to the internship experience). Prereq.: concurrent with SPSY 7513. (New course) 3 s.h.

Foundations of Education

Richard McEwing, Chair
4103 Beeghly Hall
(330) 941-1437
rameeing@ysu.edu

6914 Statistical Methods in Education. An introductory course in frequency distributions, measures of central tendency, measures of variability, calculations and meaning of percentiles, normal distribution theory, reliability and validity of measures, and basic statistical analysis. Prereq.: FOUN 6904. (New course) 3 s.h.
Geological and Environmental Sciences

Jeffrey C. Dick, Chair
2119 Moser Hall
(330) 941-1756
jcdick@ysu.edu

Environmental Studies

5820 Sustainability, Climate Change and Society. (New swing course) 3 s.h.

Human Performance and Exercise Science

Richard Walker, Chair
307 Beeghly Center
(330) 941-3650
rlwalker@ysu.edu

6955 Physical Activity Principles for Children and Adolescents. Scientific basis of physical fitness and its physiological basis. The role of health-related and performance-related physical fitness in physical activity and the lifespan. Analysis of acute responses and chronic adaptations of the body to the physiological demands of physical activity. A primary focus of the practical application to the teaching of physical education and sport coaching. Prereq.: HPES 4899 or equivalent. (New course) 3 s.h.

Materials Science and Engineering

Martin A. Abraham, Dean
College of Science, Technology, Engineering, and Mathematics
(330) 941-3009

6982 Graduate Research. Individual investigation of advanced topics under the guidance of selected program faculty. May be repeated for a maximum of 30 semester hours. (New course) 1 – 6 s.h.

6990 Seminar in Materials Science and Engineering. Presentations of ongoing research in materials science and engineering. Includes presentations by guest speakers, faculty and graduate students. May be repeated for a maximum of 3 semester hours. (New course) 1 s.h.

7010 Analytical Methods for Materials Science I. A laboratory course where the student will receive hands-on training with instruments commonly used in materials research. Techniques covered include optical methods, thermogravimetry, differential scanning calorimetry, X-ray diffraction, X-ray fluorescence, magnetic permeability, Hall effect, and atomic force microscopy. (New course) 2 s.h. (1 h. lecture / 3 h. lab)

7020 Analytical Methods for Materials Science II. A laboratory course where the student will receive hands-on training with instruments commonly used in materials research. Instruments covered include stress/strain apparatus, scanning electronic microscope, electron microprobe, transmission electron microscope, focused ion beam microscope, X-ray photoelectron spectrometer, Auger spectrometer, impedance analyzer, and potentiostat. (New course) 2 s.h. (1 h. lecture / 3 h. lab)

8010 Structure of Materials. A study of the structure/property relationship of materials at the electronic, atomic, and molecular level. Using quantum chemistry, symmetry, chemical bonding and electrochemistry, this course will introduce the student to the classification and properties of amorphous, crystalline, and semi-crystalline structures including metals, semiconductors, ceramics, polymers, and hybrid materials. The properties to be studied include mechanical, thermal, electrical, and magnetic properties. (New course) 3 s.h.

8020 Mechanical Properties of Materials. This course addresses the mechanical behavior of materials, assuming knowledge of elasticity, plasticity, fracture and creep, and aims to provide a robust analytical treatment of these topics across size scales and material types. The course is split into three sections: (a) Continuum mechanics, (b)
Advanced phenomena in mechanics of materials, and (c) Case studies focused on the design and processing of materials. Prereq.: MATL 8010. (New course) 3 s.h.

8030 Thermodynamics and Phase Behavior. Detailed examination of chemical equilibria and chemical changes with an emphasis on the theoretical basis for these phenomena and the properties of phase diagrams. The use of computer models for chemical equilibrium calculations utilizing extensive thermodynamic databases. (New course) 3 s.h.

8040 Kinetics, Diffusion, and Rate Processes. Essential topics covered include diffusion in solids and liquids; complex motion of dislocations and interfaces; complex kinetics of phenomena such as phase transformations and morphological evolution; and the rate at which these and other kinetic phenomena occur. Prereq.: MATL 8030. (New course) 3 s.h.

8050 Materials Internship. Supervised experience in approved external industrial, government lab, or other comparable environment, working on advanced problems in materials. For materials science and engineering doctoral students or by permission of program coordinator. Prereq.: MATL 8020. May be repeated for a maximum of 6 semester hours. (New course) 1-6 s.h.

8060 Dissertation. Design, proposal, completion, and reporting of scholarly research deemed acceptable to the program faculty. Culminates in an oral presentation to dissertation committee. Prereq.: completion of qualifying exam and research proposal. (New course) 1-9 s.h.

**Mathematics and Statistics**

Nathan P. Ritchey, Chair
1059 Cushwa Hall
(330) 941-3302
nate@math.ysu.edu

**Mathematics**

5857 Partial Differential Equations. (New swing course) 3 s.h.

**Nursing**

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6904 Advanced Health Assessment. Development of advanced clinical knowledge and skills needed for comprehensive health assessment across the life span. Emphasis on health history, physical, cultural, developmental and nutritional assessments with differential diagnosis of common health problems. Prereq.: NURS 6902 (or concurrent). (Change course description and prerequisite) 3 s.h.

7000 Adult Health and Illness Care. Advanced nursing management of health care needs of clients and interactions with their environments. Prereq.: NURS 6904 and 6905. (Change course title and description) 3 s.h.

7001 Adult Health and Illness Care Practicum. Application of knowledge and skills from NURS 7000, focusing on advanced nursing management of the health care needs of clients and interactions with their environments. Concurrent: NURS 7000. Prereq.: NURS 6904 and 6905. (Change course title) 4-5 s.h.

7005. Capstone Practicum. Synthesis of learned concepts and theories in the form of an individual scholarly project, and dissemination of findings under the direction of a graduate faculty member. Prereq.: Completion of all coursework and approval of MSN faculty committee. (Change course title) 2 s.h.
7024 Family and Women’s Health. Primary health care management of family and women in diverse settings. Emphasizes health promotion, illness prevention, disease detection, and identification and management of health problems and concerns affecting families and women throughout the lifespan. Taken concurrently with NURS 7025. Prereq.: NURS 6903 (or concurrent), 6902, 6904. (New course) 3 s.h.

7025 Family and Women’s Health Practicum. Application of concepts, theories and research from NURS 7024 in a variety of health care settings. Taken concurrently with NURS 7024. Prereq.: NURS 6903 (or concurrent), 6902, 6904. (New course) 4 s.h.

7026 Infant, Child and Adolescent Health. Primary health care management of infants, children and adolescents in diverse settings. Emphasis on health promotion, illness prevention, disease detection, and identification and management of health problems and concerns from infancy through adolescence. Taken concurrently with NURS 7027. Prereq.: NURS 6902, 6903, 6904. (New course) 3 s.h.

7027 Infant, Child and Adolescent Health Practicum. Application of concepts, theories and research from NURS 7026 in a variety of health care settings. Taken concurrently with NURS 7026. Prereq.: NURS 6902, 6903, 6904. (New course) 4 s.h.

7028 Adult and Older Adult Health. Primary health care management of young adults, adults, and older adults in diverse settings. Emphasizes health promotion, illness prevention, disease detection, and identification and management of health problems and concerns affecting young adults, adults, and older adults. Taken concurrently with NURS 7029. Prereq.: NURS 6902, 6903, and 6904. (New course) 3 s.h.

7029 Adult and Older Adult Health Practicum. Application of concepts, theories and research from NURS 7028 in a variety of health care settings. Taken concurrently with NURS 7028. Prereq.: NURS 6902, 6903, 6904. (New course) 5 s.h.

Philosophy and Religious Studies

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Philosophy

6900 Ethics in Medicine and the Health Care Professions. (Dropped course)

6901 Bioethics and Public Policy. (Dropped course)

Public Health

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6998 Capstone Project I. In-depth assessment of public health competencies and preparation for the culminating community experience in MPH Capstone II. Prereq.: graduate standing; MPH 6901, 6902, 6903, 6904, 6905, and 6906. (New course) 3 s.h.
6999 Capstone Project II. A required culminating experience for MPH students to be taken after all core courses and MPH 6998 Capstone Project I are completed. In partnership with a community organization/agency. Prereq.: graduate standing, MPH 6901, 6902, 6903, 6904, 6905, 6906, and 6998. (New course) 3 s.h.

Respiratory Care

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6900 The Respiratory Care Profession. Study of origins, current role, and future directions of respiratory care profession within the framework of the current health care environment. Examination of professional resources is also included. Prereq.: Active membership in American Association for Respiratory Care and acceptance in MRC program. (New course) 3 s.h.

6906 Respiratory Care Seminar. Development of a literature review on select current topics culminating in preparation of a scholarly paper consistent with Respiratory Care Journal Conference format and an accompanying PowerPoint presentation. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6908 Leadership Development in Respiratory Care. Using an evidenced-based perspective, the course will examine nature of leadership in health care organizations with an emphasis on self-understanding and learning to achieve both a theoretical and practical understanding of leadership. Health care managers need to be able to create, foster and manage organizations in which people thrive and perform at their best to achieve organizational excellence. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6910 Competency Assessment in Respiratory Care. Reviews how clinically-related competencies in respiratory care are measured including available tools. Evaluation of procedures performed by multiple health care practitioners including issues at state/national levels. Importance of assessing cultural competence also included. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6915 Education and Accreditation in Respiratory Care. Comparison of institutional as well as programmatic accreditation requirements. Prepare students with up-to-date tools/approaches to address major educational accreditation concerns in hospital as well as in post-secondary settings. Students will also compare and contrast the role of accreditation in today’s health care environment. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6920 Technology Applications for Health and Human Services. Exploration of technology applications for education, presentations, communications and management in Health and Human Service disciplines. Creation of digital media such as audio and/or video files, spreadsheet macros, e-portfolios and Web-based applications of various technologies will be required. Application of technology to education, supervision or management will be evaluated through completion of a technology-enhanced project. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6922 Special Topics in Respiratory Care. Special topics for a focused study on problems, issues, or concerns that relate to respiratory care leadership. Prereq.: Acceptance in MRC program. (New course) 1 – 3 s.h.

6926 Advanced Mechanical Ventilation. Develops the practitioner’s knowledge of advanced ventilatory theory. The technological aspects and clinical application of dual control modes of ventilation, closed loop and ventilator feedback technology will be discussed. The clinical application of unconventional methods of ventilatory support such as ECMO and carbon dioxide removal, transtracheal gas insufflation and HFV will also be presented. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6930 Managing Respiratory Services. Presents a comprehensive approach to the delivery of respiratory services across the continuum of care. Management practices in traditional or acute care settings and nontraditional home care, outpatient rehabilitation facilities, sleep laboratories and long-term care institutions will be compared and contrasted. Compliance with national/state accreditation standards will also be presented. Prereq.: Acceptance in
MRC program. (New course) 3 s.h.

6943 Advanced Monitoring and Therapeutics. The course is designed to analyze technical features and clinical application of “state of the art” invasive and noninvasive monitoring devices. Specialty therapeutic procedures such as the administration of specialized medical gases and medications will also be explored. The essential elements key to successful integration of new and/or complicated therapeutic modalities and equipment into clinical practice will be highlighted. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

6950 Respiratory Care Research. Provides rationale behind evidence-based medicine and presents key elements of scientific research for one study, lab investigation or clinical trial. Course will culminate in creation of abstract to be submitted for publication in Respiratory Care journal. Prereq.: Acceptance in MRC program. (New course) 3 s.h.

Sociology and Anthropology

Qi Jiang, Chair 420 DeBartolo Hall  (330) 941-3441 qijiang@ysu.edu

Gerontology

6960 Epidemiology of Aging. Integration and application of epidemiologic theories; major conceptual issues regarding epidemiology and aging; and contemporary interdisciplinary concepts and research. Primary focus will be on the disease distribution and leading causes of death among our aging population. (New course) 3 s.h.

Teacher Education

Dora L. Bailey, Chair 2406 Beeghly Hall  (330) 941-3251 dlbailey@ysu.edu

Teacher Education

5991, 5992, 5993 (TCED) Seminar in Teacher Education. Various topics of current value in teacher education as selected by faculty. Grading is S/U. Prereq.: Admission to School of Graduate Studies and Research. (Change course prefix, course title, and description) 1-5 s.h.

6904 (TCED) Teacher Leadership Internship. A practicum with emphasis on teacher supervision, coaching, mentoring, teacher leadership, and planned professional development. Prereq.: baccalaureate degree, three years of teaching. May be repeated. (Change course title, description, and course hours) 1-3 s.h.

6909 (TCED) Orientation to On-Line Learning. This course provides an introduction and orientation to on-line learning, while acquainting students with the platform of BB9, distance education technologies, YSU and BCOE. (The ECE program highly recommends this course before taking any of the distance learning courses in the program). Grading is S/U. (New course) 1 s.h.

6934 (TCED) Assessment and Accountability. In-depth study of mandates, policies, procedures, metrics, and consequences of pupil, teacher, and institutional assessment/evaluation models including formative and summative aspects. (Change course title and description) 3 s.h.

7032 (TCED) Advanced Supervision and Leadership. Practitioner-based supervision in education, from research and theory in education, business, and the applied behavioral sciences with emphasis on supervision, coaching, mentoring, teacher leadership, and planning professional development. (Change course title and description) 3 s.h.