Division of Occupational Therapy

Degree Offered

• Master of Occupational Therapy (MOT)

Introduction

In the fall of 1993, the West Virginia Board of Trustees approved the establishment of a new master’s degree program at WVU, leading to an entry-level master’s degree in occupational therapy. WVU accepted its first students into the professional program in the fall semester of 1996. The academic and fieldwork program requires three years to complete. Prior to application, students are required to complete approximately fifty to fifty-five hours of prerequisite courses, which in most instances will take two years to fulfill.

The Profession of Occupational Therapy

Occupational therapy is a health and rehabilitation profession which provides services to people of all ages, and addresses physical, cognitive, psychosocial, sensory, communication, and other areas of performance in various contexts and environments in every day life activities that affect health, well-being, and quality of life (AOTA, 2004). Occupational Therapy is a caring profession designed to help people regain and build skills that are important for health, well-being, security, and happiness. The purpose of occupational therapy is to help individuals achieve a maximum level of independence and function through engagement in occupation in order to lead independent, productive, and satisfying lives. The focus is on assisting and enabling individuals to develop the capacity to function in all activities (occupations) of daily life, including self-care, work, and leisure. Hence the name occupational therapy.

Occupational therapists work in schools, hospitals, rehabilitation centers, home health agencies, skilled nursing homes, and private practice.

Accreditation Status

WVU’s Division of Occupational Therapy has been granted accreditation status by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) located at 4720 Montgomery Lane, Suite 200, Bethesda, M.D. 20814-3449. ACOTE’s phone number, c/o AOTA, is (301) 652-AOTA. The OT program at WVU was initially awarded accreditation in 1998 and awarded re-accreditation in 2013. The next scheduled onsite visit for accreditation will be in 2023. ACOTE information may be accessed at www.acoteonline.org.

Graduates of the program are able to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy Inc. (NBCOT). The address for NBCOT is: National Board for Certification in Occupational Therapy, Inc., 12 South Summit Avenue, Suite 100, Gaithersburg, MD 20877-4150. For more information, NBCOT can be contacted at (301) 990-7979 or at http://www.nbcot.org/. After successful completion of this exam, the individual will be an occupational therapist, registered (OTR). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note: A felony conviction may impact a graduate’s ability to take the NBCOT examination and/or obtain a state license. For further information on NBCOT’s Character Review Program, interested parties can obtain information from the licensing board in that particular state.

What to Expect

Like many professional programs, the curriculum in the entry-level master’s occupational therapy program is fairly fixed and intense. The first professional year, which begins in the summer, will include courses in basic sciences relevant to the profession and practice of occupational therapy and introductory professional courses. The second and third professional years will deal more specifically with training in occupational therapy theory and practice as administered across a wide variety of settings. The professional curriculum includes two off-campus, full-time clinical experiences known as Level II Fieldwork. Students are financially responsible for transportation, housing, and meal expenses related to clinical assignments. Students in the program are required to participate in the School of Medicine’s laptop computer purchase lease-to-own program, which provides each student with a state-of-the-art computer that contains course and program-relevant software.

All OT coursework must be completed with a grade of “C” or higher. Further, OT students must maintain an OT coursework GPA of 3.0 or higher while in the OT Program.

Students in the OT Program must complete all didactic coursework and all fieldwork within a period of five years after commencing the occupational therapy program. Furthermore, all Level II Fieldwork must be completed within eighteen months following completion of academic coursework while remaining within the five-year time frame.
FACULTY

CHAIR
- Randy P. McCombie - Ph.D., OTR/L (Loyola University of Chicago)
  Associate Professor - Chair, Program Director

ASSOCIATE PROFESSORS
- Anne Cronin - Ph.D., OTR/L, FAOTA (University of Florida)
  Associate Professor
- Steve Wheeler - Ph.D., OTR/L (Virginia Commonwealth University)
  Associate Professor

ASSISTANT PROFESSORS
- Amanda Acord-Vira - MOT, OTR/L (West Virginia University)
  Assistant Professor
- Amanda Kessler - M.S., OTR/L (West Virginia University)
  Assistant Professor - Fieldwork Coordinator
- Amy Burt - MOT, OTR/L (University of Pittsburgh)
  Assistant Professor
- Brandy Brown - OTD, OTR/L (Chatham University)
- Diana Davis - M.A., OTR/L (West Virginia University)
  Assistant Professor
- Donna Colaianni - Ph.D., OTR/L, CHT (Duquesne University)
  Assistant Professor
- Garth Graebe - MOT, OTR/L (West Virginia University)
  Assistant Professor

Admission Standards

Normally, students apply to the program during their second year of college. They must have a minimum of fifty to fifty-five hours of college credit which includes the prerequisites listed previously. Students who already have a degree in another field are also eligible to apply. All applicants must meet the following criteria:

- Minimum GPA of 3.0, including overall GPA and prerequisite GPA, is normally required (a higher GPA may be necessary given the competitive nature of the program).
- Minimum of sixty (60) hours of volunteer experience with at least two licensed occupational therapists (Students should contact the Division of Occupational Therapy to determine the type of experience required. Students should keep a record of dates/hours, locations, and names of supervising occupational therapists. Forms to record volunteer/shadowing experiences can be found online at http://www.hsc.wvu.edu/som/ot).
- Recommendations are required from two Occupational Therapists who supervised the volunteer/shadowing experience. These OTs must be from 2 different clinical facilities. Specific recommendation forms are available at the time of application.
- Completion of all prerequisite courses by the end of the semester of application (normally, second semester of sophomore year) is required. All OT prerequisite courses and WVU GEC courses must be completed by June 1st prior to starting the OT Program.
  *note: some OT prerequisite courses have their own course specific prerequisites. For example, physics courses at WVU require that students have completed college algebra and trigonometry.
- IMPORTANT NOTE: Applicants must have completed all but a maximum of 2 OT prerequisite courses by the end of their Fall semester prior to the close of the Spring application period. Those applying to the OT Program will not be considered in the application review process if they are taking more than two OT prerequisite courses in the Spring semester prior to their anticipated start of summer classes in the OT Program. In other words, for those applying to the WVU OT Program, all but a maximum of two OT prerequisite courses must be fully completed by end of the Fall semester. Thus, applicants who are taking three or more OT prerequisite courses in the Spring semester will not be considered for acceptance into the OT Program. Applicants must plan on taking no more than two OT prerequisite courses in the Spring semester prior to the summer start of the Program for which they are applying. This requirement does not apply to WVU non-OT prerequisite general education (GEC) course requirements. Note: Courses with a required lab, including those courses that have labs with a separate course number, may be considered one course for purposes of this requirement, i.e., a course plus its lab equal one course. Students are strongly urged to contact the Division of OT for clarification or if they have any questions on this requirement.

Application forms are available online on the program homepage at www.hsc.wvu.edu/som/ot. Questions regarding application materials may be directed to The Division of OT at (304) 293-8828 or to the OT Program Academic Advisor at (304) 293-1690. Application materials are traditionally
available November 15 through February 15. The deadline for submission of application materials is typically February 15. The official deadline will be posted on the occupational therapy website and printed in the admissions packet.

Course information for the master of occupational therapy degree can be found on the following website: http://www.hsc.wvu.edu/som/ot.

Note: The following list of prerequisite courses requirements is subject to change without notice.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>Composition And Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Composition And Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Intro to Human Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 281</td>
<td>Intro to Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCA 101</td>
<td>Introduction to Sociology (OR)</td>
<td>3</td>
</tr>
<tr>
<td>OR SOCA 105</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 101</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 103</td>
<td>General Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 102</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 104</td>
<td>General Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>STAT 211</td>
<td>Elementary Statistical Inference</td>
<td>3</td>
</tr>
<tr>
<td>COMM 100</td>
<td>Principles-Human Communication</td>
<td>1</td>
</tr>
<tr>
<td>COMM 102</td>
<td>Human Comm-Interprsnl Context</td>
<td>2</td>
</tr>
<tr>
<td>PSIO 241</td>
<td>Elementary Physiology</td>
<td>4</td>
</tr>
<tr>
<td>OR PSIO 441</td>
<td>Mechanisms Body Function</td>
<td>4</td>
</tr>
<tr>
<td>OTH 201</td>
<td>Medical Terminology for OT</td>
<td>1</td>
</tr>
</tbody>
</table>

*Check for prerequisites for PHYS 101, PSIO 241, and STAT 211 by checking the department course offerings in the catalog.

Fulfillment of WVU’s General Education Curriculum (GEC) are not covered by the above. It is the student’s responsibility to complete all WVU GEC requirements prior to starting the OT Program. Applicants must complete all of the WVU General Education and all OT Prerequisite requirements (by June 1) prior to starting the OT Program.

(See the WVU Undergraduate Catalog)

These include one three-credit course in each of the following (GEC) objectives: 3, 5, 8, and 9, - plus the one-credit university orientation.

Note: Applicants holding a bachelor’s degree from an accredited institution are exempt from the GEC requirement.

WVU students must consult the university college prior to enrolling in prerequisite courses. These courses may also be taken at any institution which offers equivalent courses. Any questions regarding pre-requisite courses may be directed to the university college, (304) 293-5805, and/or the Division of Occupational Therapy (304) 293-8828. Equivalence may be determined by contacting the Transfer Desk, Admissions Office, West Virginia University, P.O. Box 6009, Morgantown, WV 26506-6009.

Students are awarded a Bachelor of Arts degree in Human Performance and Health at the end of the senior year (year two in the OT program). In order to receive this degree, students must have successfully completed a minimum total of 128 hours of college credits, including completion of WVU’s GEC requirements. To achieve this, the student typically completes 40 hours of OT prerequisite coursework, 12 hours of GEC coursework (not covered by OT prerequisites) one hour of University Orientation and 77 hours of undergraduate OT coursework, a total of 130 hours. It is the student’s responsibility to insure sufficient approved hours of coursework are completed in order to fulfill the requirements for awarding the Bachelor’s degree. It is the student’s responsibility to insure all prerequisite coursework and GEC courses are completed prior to starting the OT program. the master of Occupational Therapy (MOT) degree is awarded upon completion of all required graduate work (typically the end of the third year in the OT program). the total number of credit hours of graduate OT work (including both academic and clinical fieldwork) is 38-41 hours, allowing for elective courses.

**OCCUPATIONAL THERAPY CURRICULUM PLAN**

*Note: This curriculum plan is subject to change without notice. All OT courses must be passed with a grade of "C" or higher. Further, students must maintain a GPA of 3.0 or higher while in the OT Program.*
### Undergraduate Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>OTH 301</td>
<td>Professional Foundations</td>
<td>3</td>
</tr>
<tr>
<td>OTH 493I</td>
<td>SPTP: Anatomy/Kinesiology-OT</td>
<td>1-6</td>
</tr>
<tr>
<td>OTH 303</td>
<td>Functional Movement Across Lifespan</td>
<td>2</td>
</tr>
<tr>
<td>OTH 304</td>
<td>Phys Impairment &amp; Function 1</td>
<td>4</td>
</tr>
<tr>
<td>OTH 307</td>
<td>Neurobiologic Foundations</td>
<td>4</td>
</tr>
<tr>
<td>OTH 308</td>
<td>Evaluation Procedures</td>
<td>3</td>
</tr>
<tr>
<td>OTH 321</td>
<td>Developmental Life Tasks</td>
<td>3</td>
</tr>
<tr>
<td>OTH 360</td>
<td>Research Methods in OT</td>
<td>3</td>
</tr>
<tr>
<td>OTH 384</td>
<td>Level 1 Fieldwork 1</td>
<td>1,2</td>
</tr>
<tr>
<td>OTH 386</td>
<td>Level 1 Fieldwork 3</td>
<td>1,2</td>
</tr>
<tr>
<td>OTH 401</td>
<td>Physical Impairment/Fxn 2</td>
<td>4</td>
</tr>
<tr>
<td>OTH 405</td>
<td>Upper Extremity Rehabilitation</td>
<td>4</td>
</tr>
<tr>
<td>OTH 408</td>
<td>Tests/Measures-Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTH 416</td>
<td>Professional Decision-Making</td>
<td>2</td>
</tr>
<tr>
<td>OTH 417</td>
<td>Occupational Therapy-Geriatrics</td>
<td>3</td>
</tr>
<tr>
<td>OTH 419</td>
<td>Professional Values</td>
<td>3</td>
</tr>
<tr>
<td>OTH 430</td>
<td>Occupational Therapy-Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>OTH 432</td>
<td>OT Interventions-Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>OTH 435</td>
<td>Therapeutic Activity</td>
<td>3</td>
</tr>
<tr>
<td>OTH 440</td>
<td>Cognition and Perception in OT</td>
<td>2</td>
</tr>
<tr>
<td>OTH 480</td>
<td>Current Topics-Occupational Therapy (2 Separate Classes)</td>
<td>1-3</td>
</tr>
<tr>
<td>OTH 497</td>
<td>Research: Capstone (2 classes (Yr II Fall, Yr II Spr))</td>
<td>2</td>
</tr>
<tr>
<td>OTH 310</td>
<td>Critical Reasoning in OT</td>
<td>3</td>
</tr>
<tr>
<td>OTH 387</td>
<td>Level 1 Fieldwork 4</td>
<td>1,2</td>
</tr>
<tr>
<td>OTH 493G</td>
<td>Special Topics</td>
<td>1-6</td>
</tr>
<tr>
<td>OTH 493H</td>
<td>Special Topics</td>
<td>1-6</td>
</tr>
<tr>
<td>OTH 493J</td>
<td>SPTP: Principles-Occ Science</td>
<td>1-6</td>
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**Total Hours** 65-90

### Graduate Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OTH 500</td>
<td>Health Care Issues in OT</td>
<td>3</td>
</tr>
<tr>
<td>OTH 501</td>
<td>Management for OT Practice</td>
<td>4</td>
</tr>
<tr>
<td>OTH 503</td>
<td>Occupational Therapy-Pediatrics</td>
<td>3</td>
</tr>
<tr>
<td>OTH 520</td>
<td>OT in the Work Environment</td>
<td>3</td>
</tr>
<tr>
<td>OTH 540</td>
<td>Level 2 Fieldwork 1</td>
<td>1-6</td>
</tr>
<tr>
<td>OTH 550</td>
<td>Education in OT Practice</td>
<td>3</td>
</tr>
<tr>
<td>OTH 551</td>
<td>OT in Prevention &amp; Wellness</td>
<td>3</td>
</tr>
<tr>
<td>OTH 570</td>
<td>Advanced Theory in OT</td>
<td>3</td>
</tr>
<tr>
<td>OTH 594</td>
<td>Sem: Professional Development</td>
<td>1</td>
</tr>
<tr>
<td>OTH 640</td>
<td>Level 2 Fieldwork 2</td>
<td>1-6</td>
</tr>
<tr>
<td>OTH 697</td>
<td>Research (Yr III Fall 2 credits, Spr 2 credits)</td>
<td>2-4</td>
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</table>

**Total Hours** 27-39

### SUGGESTED PLAN OF STUDY

The following Plan of Study is based on two years of college prerequisite work, described elsewhere, followed by three years of OT Coursework.

#### Second Year

<table>
<thead>
<tr>
<th>Summer</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>OTH 301</td>
<td>3</td>
</tr>
<tr>
<td>OTH 493I</td>
<td>1-6</td>
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4-9
### Third Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTH 303</td>
<td>2</td>
<td>OTH 307</td>
<td>4</td>
</tr>
<tr>
<td>OTH 304</td>
<td>4</td>
<td>OTH 308</td>
<td>3</td>
</tr>
<tr>
<td>OTH 360</td>
<td>3</td>
<td>OTH 310</td>
<td>3</td>
</tr>
<tr>
<td>OTH 435</td>
<td>3</td>
<td>OTH 321</td>
<td>3</td>
</tr>
<tr>
<td>OTH 493G</td>
<td>1</td>
<td>OTH 480</td>
<td>1</td>
</tr>
<tr>
<td>OTH 493J</td>
<td>3</td>
<td>OTH 493A (Foundations Cog &amp; Perc)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OTH 384</td>
<td>2</td>
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</table>

**16**

### Fourth Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>undefined</td>
<td></td>
<td>OTH 401</td>
<td>2</td>
</tr>
<tr>
<td>OTH 417</td>
<td>3</td>
<td>OTH 405</td>
<td>4</td>
</tr>
<tr>
<td>OTH 430</td>
<td>3</td>
<td>OTH 408</td>
<td>3</td>
</tr>
<tr>
<td>OTH 440</td>
<td>2</td>
<td>OTH 416</td>
<td>2</td>
</tr>
<tr>
<td>OTH 497</td>
<td>1</td>
<td>OTH 419</td>
<td>3</td>
</tr>
<tr>
<td>OTH 493H</td>
<td>2</td>
<td>OTH 432</td>
<td>3</td>
</tr>
<tr>
<td>OTH 387</td>
<td>2</td>
<td>OTH 480</td>
<td>1</td>
</tr>
<tr>
<td></td>
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<td>OTH 497</td>
<td>1</td>
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</table>

**16**

### Fifth Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>OTH 540</td>
<td>1-6 OTH 500</td>
<td>3 Weeks 1-4</td>
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<tr>
<td>OTH 503</td>
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<td>OTH 520</td>
<td>3</td>
<td>OTH 550</td>
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<tr>
<td>OTH 551</td>
<td>3</td>
<td>OTH 594</td>
<td>1</td>
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<tr>
<td>OTH 570</td>
<td>3</td>
<td>OTH 697</td>
<td>2</td>
</tr>
<tr>
<td>OTH 697</td>
<td>2</td>
<td>OTH 640</td>
<td>6</td>
</tr>
</tbody>
</table>

**16**

**Total credit hours: 107-117**

### PROGRAM TIME FRAME

Students must complete all didactic coursework and Level II Fieldworks within a period of five years after commencing the occupational therapy program. Furthermore, all Level II Fieldwork must be completed within eighteen months following completion of academic coursework while remaining within the five-year time frame.

### EXERCISE PHYSIOLOGY COURSES

**EXPH 100. Orientation: Exercise Physiology. 1 Hour.**
Orientation to degree requirements, departmental resources, curriculum options, and student responsibilities in Exercise Physiology. Promoting academic success strategies and exposing students to future career opportunities in Exercise Physiology.

**EXPH 101. Intro-Exercise Physiology. 1 Hour.**
A broad and foundational look at the function and adaptation of the systems of the human body in response to exercise.

**EXPH 230. Exercise in American Culture. 3 Hours.**
Covers issues of exercise in America, specifically themes integral to American culture such as age, class, race, gender, and beauty.

**EXPH 240. Medical Terminology. 1 Hour.**
PR: Sophomore standing. The study of medical language with special emphasis given to terms used in the field of exercise physiology.

**EXPH 293A-Z. Special Topics. 1-6 Hours.**
PR: Consent. Investigation of topics not covered in regularly scheduled courses.
EXPH 364. Kinesiology. 3 Hours.
PR: Junior standing or consent. Anatomical, mechanical, and musculoskeletal study of the human body as the instrument for efficient performance of motor activities. (Laboratory work included.).

EXPH 365. Exercise Physiology 1. 3 Hours.
PR: Junior standing or consent. The study of the functioning of body systems during exercise and the acute and chronic adaptations that occur from exercise stress.

EXPH 366. Lab Techniques & Methods. 3 Hours.
PR: Junior standing and EXPH 364 and EXPH 365 or consent. Techniques and methods for designing and conducting exercise programs for asymptomatic, healthy individuals.

EXPH 369. Strength/Conditioning Methods. 4 Hours.
PR: EXPH 364 and EXPH 386. Scientific foundations of strength and conditioning with skills and methods to apply that knowledge in clinical exercise training.

EXPH 370. Writing for Exercise Science. 3 Hours.
PR: (ENGL 101 and ENGL 102) or ENGL 103 and PR or CONC: EXPH 386. Writing for medical scientific fields. Students will develop book review, analyze discipline-specific texts, and write scientific literature reviews. Includes a review of style and language used.

EXPH 386. Adv Physiology of Exercise 1. 3 Hours.
PR: (BIOL 101 through BIOL 104 or (BIOL 115 and BIOL 117)) and CHEM 115 and PHYS 101. The study of the major systems of the body and how they function during acute and chronic adaptations that occur from exercise stress. Special focus is given to metabolism and the neuromuscular, respiratory, and cardiovascular systems.

EXPH 393A-Z. Special Topics. 0-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

EXPH 450. Theory of Aquatic Therapy. 3 Hours.
PR: Junior standing or consent. An introduction to aquatic therapy. It covers the historical perspective, biophysiologic response to water immersion, and application of aquatic therapy to specific physical diagnoses.

EXPH 451. Application of Aquatic Therapy. 3 Hours.
PR: Junior standing and consent. Design and implementation of aquatic exercise prescriptions to meet rehabilitation goals. Aquatic therapy techniques will be demonstrated and practiced.

EXPH 452. Aquatic Therapy Facility Manag. 3 Hours.
PR: Junior standing and EXPH 451 and consent. Facility design, water chemistry, water safety, and aquatic programming for special populations including rehabilitation, community re-entry, and wellness programs in a comprehensive continuum of care.

EXPH 460. Pathophysiology. 3 Hours.
PR: EXPH 365 and junior standing. CoReq: PHYS 241. The study of disease etiology and the physiological changes that occur from disease, with special emphasis given to the use of exercise in disease prevention and therapy.

EXPH 470. Research Methods. 3 Hours.
PR: Senior standing. CoReq: EXPH 496. The study of the scientific method and research design as it relates to the field of exercise physiology and preventive medicine.

EXPH 475. Indstry Orgnztn-Exrcise Physio. 3 Hours.
Prepares exercise physiology students to work in health care fitness related fields and promotes knowledge on how to "build a business plan" for entrepreneurship.

EXPH 490. Teaching Practicum. 1-3 Hours.
PR: Consent. Teaching practice as a tutor or assistant.

EXPH 491. Professional Field Experience. 1-18 Hours.
PR: Consent. (May be repeated up to a maximum of 18 hours.) Prearranged experimental learning program, to be planned, supervised, and evaluated for credit by faculty and field supervisors. Involves temporary placement with public or private enterprise for professional competence development.

EXPH 493A-Z. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

EXPH 494A-Z. Seminar. 1-3 Hours.
PR: Consent. Presentation and discussion of topics of mutual concern to students and faculty.

EXPH 495. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

EXPH 496. Senior Thesis:Capstone. 1-3 Hours.
PR: Consent.

EXPH 497. Research. 1-6 Hours.
Independent research projects.
EXPH 498A-Z. Honors. 1-3 Hours.
PR: Students in Honors Program and consent by the honors director. Independent reading, study or research.

EXPH 499A-Z. Global Service Learning. 2,3 Hours.
PR: Consent. Theory and practice of global service-learning. The main objective will be to pair the experiential aspects of meaningful and sustained service in the host community with work from the student’s anchor course by offering a methodological framework for cultural immersion and community service as well as adding to the content of the anchor course.

EXPH 567. Exercise Physiology 2. 4 Hours.
PR: Consent. Comprehensive knowledge of the functioning of body systems during exercise, the acute and chronic adaptations that occur, and the practical application of this to health and disease.

EXPH 668. Diabetes and Exercise. 3 Hours.
PR: Graduate standing, consent. In-depth study of topics related to the comprehensive management of patients with diabetes mellitus, with special emphasis on the use of exercise in diabetes care.

EXPH 670. Lab Techniques & Methods 2. 3 Hours.
PR: Graduate standing, consent. This course teaches the techniques and methods used to monitor physiologic systems in humans during rest and exercise. It includes methods used to assess the health status of individuals desirous of exercise testing or prescription.

EXPH 671. Stress Testing. 3 Hours.
PR: EXPH 670, consent. In-depth study of graded exercise testing in laboratory or field situations. The course includes protocols for athletes, asymptomatic individuals, and special populations.

EXPH 672. Professional Field Placement. 1-18 Hours.
PR: EXPH 370, and EXPH 371, consent. Prearranged program to be planned, supervised, and evaluated for credit by faculty and field supervisors. Involves temporary placement with public or private enterprise for professional competence development. (Internship.).

EXPH 673. Exercise Prescription. 3 Hours.
This course will provide graduate students an understanding of the exercise prescription process and the exercise management of patients with chronic diseases.

EXPH 680. Adv Clinical Exercise Physiology. 3 Hours.
PR: Graduate Standing. Presentation of scientific techniques utilized by clinical exercise physiologists to assess fitness in healthy and disease populations. This course will refine clinical competencies needed to safely administering various fitness assessments in clinical populations in which the risk of untoward events increases.

EXPH 681. Clinical Exercise Prescription. 4 Hours.
PR: EXPH 670 and EXPH 680. This course will present current established exercise guidelines for the safe evaluation of functional capacities and the establishment of safe, effective exercise prescriptions for individuals with cardiovascular and/or metabolic diseases.

EXPH 682. Research Design and Methods. 4 Hours.
An advanced level of important concepts involved in the design of experimental studies in Exercise Physiology. The main focus will be on understanding the essential techniques for study design, data collection, its critical evaluation, and research reporting.

EXPH 691A-Z. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

EXPH 693A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

EXPH 695. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

EXPH 696. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

EXPH 697. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or dissertation. (Grading may be S/U).

EXPH 698. Thesis. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.

EXPH 699. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use the University’s facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department's 699/799 Graduate Colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is P/F; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.
EXPH 786. Musculoskeletal Biology. 3 Hours.
Introduction to current research approaches in musculoskeletal biology of exercise physiology. This course will stress critical thinking, and refine skills related to research design and evaluation of research methods used in exercise physiology.

EXPH 787. Cardiopulmonary Physiology. 3 Hours.
An advanced survey of important concepts involved in cardiovascular/ cardiopulmonary physiology and pathophysiology. The main focus will be on understanding the changes to cardiovascular/pulmonary system brought about by physiological stimuli such as exercise, aging, and disease states.

EXPH 790. Teaching Practicum. 1-3 Hours.
PR: Consent. Supervised practice in teaching exercise physiology. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It also provides a mechanism for students not on assistantships to gain teaching experience. (Grading will be S/U.)

EXPH 791A-Z. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation in advanced subjects which are not covered in regularly scheduled courses. Study may be independent or through specially scheduled lectures.

EXPH 792A-Z. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

EXPH 794A-Z. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

EXPH 795. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.

EXPH 796. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

EXPH 797. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.)

EXPH 798. Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.

EXPH 799. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework but who wish to meet residency requirements, use the University’s facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department’s 699/799 graduate colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights of duly enrolled students. Grading is P/F; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.

NEUROBIOLOGY AND ANATOMY COURSES

NBAN 107. Intro Human Anat/Physiol. 4 Hours.
PR: BIOL 102 and CHEM 111 and PR or CONC: BIOL 104 and CHEM 112. Survey of human anatomy and physiology for pre- nursing and other pre-clinical students. Also listed as PSIO 107.

NBAN 205. Introduction to Human Anatomy. 3 Hours.
Introductory human anatomy course that uses a combined regional and systemic approach to examine the relationships and organization of the major structures within the thorax, abdomen, head/neck, and back/limbs regions of the body.

NBAN 206. Human Anatomy Laboratory. 1-3 Hours.
PR: NBAN 205 or NBAN 301 or consent. Introductory human anatomy laboratory using a combined regional and systemic approach to examine the relationships and organization of the major structures with the thorax, abdomen, head/neck, and back/limb regions of the body.

NBAN 207. Human Anatomy/Physiology 2. 4 Hours.

NBAN 293A-Z. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

NBAN 301. Principles of Human Anatomy. 3,4 Hours.
PR: Admission to WVU's dental hygiene, nursing, or pharmacy program or consent. Lectures and demonstrations on the gross and microscopic anatomy of the human body including development. Pre-requisite(s) and/or co-requisite(s) may differ on regional campuses.

NBAN 309. Oral Histology. 2 Hours.
PR: NBAN 301. Histological structure and embryological development of the teeth, tissues and organs of the oral cavity. (Electronic delivery.).
NBAN 493A-Z. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

NBAN 494A-Z. Seminar. 1-6 Hours.

NBAN 495. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

NBAN 701. Advanced Gross Anatomy. 2-6 Hours.
PR: NBAN 703 or NBAN 724 and Consent. Morphological and functional analysis of a selected region, with dissection.

NBAN 703. Human Structure. 1-17 Hours.
PR: Admission to medical school or medical basic science graduate program or consent. Integrated approach combining human gross anatomy, microanatomy and embryology. Includes human cadaver dissection, microscopic anatomy of cells, tissues and organs with application to human health and disease.

NBAN 705. Microanatomy. 5 Hours.
PR: Admission to medical basic science graduate program or consent. Study of cells, tissues, and organs.

NBAN 706. Advanced Neuroanatomy. 2-4 Hours.
PR: CCMD 775 and Consent. (Course may be repeated.) Detailed study of selected areas of the nervous system.

NBAN 712. Special Topics in Anatomy. 2-4 Hours.
PR: Consent. Different topics of current interest in anatomy that are not included in the regular graduate courses.

NBAN 714. Applied Anatomy. 2-6 Hours.
PR: Consent. Detailed study of anatomy, adapted to the needs of the individual student.

NBAN 716. Craniofacial Growth Maturation. 1 Hour.
PR: Consent. The current concepts of craniofacial growth and maturation are presented and integrated for application to clinical problems.

NBAN 718. Dental Histology. 6 Hours.
PR: Dental student standing or consent of instructor or chairperson. Cells, tissues, organs. Structure, function, and development of oral tissues.

NBAN 719. Advanced Head and Neck Anatomy. 1 Hour.
PR: Admission to medical, dental or basic science graduate programs, or consent. Head and neck craniofacial anatomy as it applies to specialties in dental or medical practice.

NBAN 724. Human Gross Anatomy. 7 Hours.
PR: Admission to dental school or medical basic science graduate program or consent. Human anatomy including cadaver dissection for dental students. (4 hr. lec., 3 hr. lab.).

NBAN 751. Advanced Microanatomy/Organology. 2-4 Hours.
PR: NBAN 705 or NBAN 709 and Consent. An extension of the major topics included in NBAN 705 or 709. Special emphasis on recent contributions.

NBAN 790. Teaching Practicum. 1-3 Hours.
PR: Consent. Supervised practice in college teaching of anatomy. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It will also present a mechanism for students not on assistantships to gain teaching experience. (Grading may be S/U.).

NBAN 791A-Z. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

NBAN 792A-Z. Directed Study. 1-6 Hours.
Directed study, readings, and/or research.

NBAN 793A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

NBAN 794A-Z. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

NBAN 795. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.

NBAN 796. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

NBAN 797. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.).

NBAN 798. Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.
NBAN 799. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use the University’s facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department's 699/799 Graduate Colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is P/F; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.

NBAN 801. Human Structure. 19 Hours.
Integrated approach combining human gross anatomy, microanatomy and embryology. Includes human cadaver dissection, microscopic anatomy of cells, tissues and organs with application to human health and disease.

OCCUPATIONAL THERAPY COURSES

OTH 100. Intro to OT Profession. 1 Hour.
Provides students with an introduction to the profession of occupational therapy including knowledge base, practice areas, professional education and professional organizations. Intended for pre- and non-majors.

OTH 201. Medical Terminology for OT. 1 Hour.
The study of medical terminology with a focus on how terminology is used in the field of occupational therapy.

OTH 300. Essentials of Clinical Anatomy. 4 Hours.
PR: OTH student status. A study of human gross anatomy, micro anatomy and embryology with major emphasis on the musculoskeletal system.

OTH 301. Professional Foundations. 3 Hours.
PR: OTH student status. Introduction to fundamentals of professional behavior for the occupational therapist. Includes units on history, paradigms, communication, documentation, ethics, interdisciplinary teamwork, licensure requirements, and medical terminology.

PR: OTH student status. An introduction to analysis of clinical and research problems, including strategies for problem analysis and outcome.

OTH 303. Functnl Movmnt Across Lifespan. 2 Hours.
PR: OTH student status. Including acquisition of developmental patterns, motor control, motor skill acquisition. This course also provides an overview of the effects of normative processes of aging on neuromotor patterns in occupational performance.

OTH 304. Phys Impairment & Function 1. 4 Hours.
Introduction to disease and injury and its functional implications on OT treatment. Emphasis is placed on the impact of orthopedic and general disorders on performance in areas of occupation, remediation, or compensation of these impairments.

OTH 306. Kinesiologic Foundations. 4 Hours.

OTH 307. Neurobiologic Foundations. 4 Hours.
PR: OTH student status. Basic and clinical applications or neuroanatomy and neurology. Includes lectures on neurophysiological basis of physical and occupational therapy practice.

OTH 308. Evaluation Procedures. 3 Hours.

OTH 310. Critical Reasoning in OT. 3 Hours.
An introduction to critical reasoning analysis, and review relevant to Occupational Therapy. Students will critically analyze research articles and editorials specific to Occupational Therapy, in combination with additional writing assignments.

OTH 321. Developmental Life Tasks. 3 Hours.
PR: OTH student status. Life-span human development across cognitive, psychosocial and neuromotor domains with particular emphasis on applications to physical or occupational therapy interventions. Includes focus on cultural influences in health and illness.

OTH 360. Research Methods in OT. 3 Hours.
PR: OTH student status. An introduction to principles of research methodology and data analysis in the realm of occupational science/occupational therapy. Includes a focus on scientific methodology, research design, data collection, data analysis, and ethical considerations.

OTH 384. Level 1 Fieldwork 1. 1,2 Hour.
Clinical instruction in the occupational therapy process. OT documentation, basic measurement skills, experiences with people with disabilities, and participation in professional activities. (Grading will be pass/fail.).

OTH 385. Level 1 Fieldwork 2. 1,2 Hour.
PR: OTH student status. Optional third short-term fieldwork experience, minimum 40 hours. Student will assist in collaboration of learning objectives. (Grading will be pass/fail.).

OTH 386. Level 1 Fieldwork 3. 1,2 Hour.
PR: OTH student status. Students will be provided with fieldwork experiences in occupational therapy processes. (Grading will be pass/fail.).
OTH 387. Level 1 Fieldwork. 4. 1,2 Hour.
Clinical instruction in the occupational therapy process, OT documentation, basic evaluation and assessment skills, experiences with people with disabilities, and participation in professional activities.

OTH 401. Physical Impairment/Fxn. 2. 4 Hours.
PR: OTH 304 and OTH student status. Study of neurological injury and its functional implications on occupations. Emphasis is placed on evaluation of performance in areas of occupation and performance skills and remediation, or compensation of these limitations or impairments.

OTH 405. Upper Extremity Rehabilitation. 4 Hours.
PR: OTH student status. This course provides a holistic approach to occupational therapy evaluation and treatment of the upper extremity including common diagnoses and appropriate interventions, and splinting.

OTH 406. Cardio-Pulmonary Rehabilitation. 3 Hours.
PR: OTH student status. Lectures on cardiovascular and pulmonary conditions including medical interventions. Discipline specific laboratory sessions include stress testing, physical capacity assessment, ecological analysis, use of monitoring equipment, and evaluation and planning rehabilitation protocols.

OTH 408. Tests/Measures-Occupational Therapy. 3 Hours.
PR: OTH student status. Presentation of tests and measures used by occupational therapists in the assessment of various conditions. Emphasis will be placed on the clinical and functional evaluation of clients within the domain of occupational therapy practice.

OTH 414. Developmental Disabilities. 2 Hours.
PR: OTH student status. Overview of occupational therapy approaches toward developmental disabilities, including focus on etiology, pathology, and progression of conditions specific to various developmental disabilities.

OTH 416. Professional Decision-Making. 2 Hours.
PR: OTH student status. Students are provided with opportunities to develop critical thinking, clinical reasoning, and decision-making skills in occupational therapy. Emphasis is on autonomous practice and referral decisions.

OTH 417. Occupational Therapy-Geriatrics. 3 Hours.

OTH 419. Professional Values. 3 Hours.
PR: OTH student status. An introduction to ethics and how it specifically applies to rural health and life in West Virginia. Students will be given an opportunity to explore their own conceptions of ethics in health care.

OTH 430. Occupational Therapy-Mental Health. 3 Hours.

OTH 432. OT Interventions-Mental Health. 3 Hours.
PR: OTH student status. Occupational therapy interventions in mental health commonly used by occupational therapists in the field of mental health. Emphasis on group processes, life skills, reintegration strategies.

OTH 435. Therapeutic Activity. 3 Hours.
PR: OTH student status. Students will develop skills in performance component analysis, performance context analysis, and occupational performance analysis.

OTH 440. Cognition and Perception in OT. 2 Hours.
PR: OTH student status. Study of cognitive and perceptual impairments that accompany common adult neurological conditions. Emphasis is on application of occupational therapy assessment and treatment principles to understand the impact of impairments on functional performance and societal participation.

OTH 480. Current Topics-Occupational Therapy. 1-3 Hours.
PR: OTH student status. (Not to exceed 18 hours.) A seminar course designed to provide a forum for discussing the frontiers of the occupational therapy profession. Topics may include: research in progress, new developments, and salient professional issues.

OTH 493A-Z. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

OTH 495. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

OTH 497. Research: Capstone. 1-6 Hours.
Independent research projects.

OTH 500. Health Care Issues in OT. 3 Hours.
PR: OTH student status. Occupational therapy practice models in diverse health care delivery systems are discussed, including hospital based, home health, outpatient/private practice, long term care settings, and public schools. (2 hr. lec., 2 hr. other.)

OTH 501. Management for OT Practice. 4 Hours.
PR: OTH student status. This course reviews the structure and recent changes in the United States health care system with attention to those aspects of managed care of importance to the entry-level occupational therapist. (3 hr. lec., 2 hr. lab.)
OTH 503. Occupational Therapy-Pediatrics. 3 Hours.
PR: OTH student status. This course reviews the medical and developmental conditions of pediatric populations commonly encountered by occupational therapists. Emphasis is placed on OT assessment and interventions. (2 hr. lec., 2 hr. lab.).

OTH 505. Prosthetics and Orthotics. 3 Hours.
PR: OTH student status. Principles of practice applications of upper and lower limb prosthetics and orthotics commonly encountered and/or manufactured by the occupational therapist. (1 hr. lec., 4 hr. lab.).

OTH 520. OT in the Work Environment. 3 Hours.
PR: OTH student status. A holistic approach to evaluation and intervention commonly practiced by occupational therapists in work settings. This course will focus on task analysis in various work settings using an occupational performance frame of reference. (1 hr. lec., 4 hr. lab.).

OTH 540. Level 2 Fieldwork 1. 1-6 Hours.
PR: OTH student status. Students are placed in one 12-week, or 2 6-week placement(s) depending on the facility and the needs of the student. Students will be placed in facilities where individualized instruction can occur. (Course will be graded S/U.).

OTH 550. Education in OT Practice. 3 Hours.
PR: OTH student status. Principles of community and adult education are provided. Students are taught to prepare instructional materials, workshops/seminars, and how to assess instructional outcomes. Use of various media are used and reviewed.

OTH 551. OT in Prevention & Wellness. 3 Hours.
PR: OTH student status. Students are taught occupational therapy principles and strategies to develop community health promotion and wellness programs in a variety of settings.

OTH 570. Advanced Theory in OT. 3 Hours.
PR: OTH grad student standing. This course will provide a holistic approach to theory in occupational therapy including theory development and application of theory to occupational therapy practice.

OTH 593A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

OTH 594A-Z. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

OTH 640. Level 2 Fieldwork 2. 1-6 Hours.
PR: OTH student status. Students are placed in one 12-week, or two 6-week placement(s), depending on the facility and the needs of the student. Students will be placed in facilities where individualized instruction can occur. (Grading will be S/U.).

OTH 697. Research. 1-15 Hours.
PR: OTH student status. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.).