Syllabus

OTA 120 – Analysis of Human Motion and Performance Across the Lifespan

OTA 120 – D01   Class Times:
Fall 2016
Lecture:     Th:  10:45 a.m. – 12:45 p.m.
Lab:         Th:  01:45 p.m. – 03:45 p.m.
Classroom:   AHB 202 and AHB 203

Instructor:   Ellen Siegmund, M.S., OTR/L
Department Head and Associate Professor
The Occupational Therapy Assistant Program

Office:      AHB 307J
Phone:       410-572-8768
Email:       esiegmund@worwic.edu
Office Hours:
T:  1:00 – 3:00 p.m. ; Th:  9:00 – 10:00
F:  10:00 – 12:00 p.m.
Other times by appointment.

Texts


Course Description

This course will provide knowledge and understanding of the structure and function of the human body to enable the student to analyze human motion across the lifespan and relate human motion and performance to daily occupations. Analysis of human motion will be reviewed relative to the dynamics of occupation and activity. This will focus developmentally on the interaction of areas of occupation, performance skills, performance patterns, activity demands, contexts and environments, and individual factors. Techniques of analysis of human motion will be taught, including range of motion measurement, manual muscle testing, and sensory testing. Hours: 26 lecture and 26 laboratory. Prerequisite: Permission of the department head. Corequisites: OTA 101 and OTA 140. Course Fee: $60. Laboratory Fee: $25. Usually offered in the fall.
## Course Objectives

Upon completion of the course the student will:

<table>
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<tr>
<th>Course Objectives</th>
<th>Assessment Goals</th>
<th>Assessment Strategies</th>
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</table>
| **1.** Identify the basic terms of Kinesiology relative to Occupational Therapy.  
(GEO 1, 2, 3, 4, 5, 7, 8, 9)  
(B.2.1., B.2.2., B.2.4., B.2.5., 5.3.1.) | 1. List and define the basic terms of Kinesiology.  
2. Give 3 examples of “Terminal Behavior Objectives” relevant to education in Kinesiology for the OTA.  
3. Describe Human Occupation and Engagement in Occupation.  
4. Explain the World Health Organization’s (WHO’s) International Classification of Functioning, Disability, and Health (ICF) in relationship to the Occupational Therapy Practice Framework (OTPF).  
5. Discuss the importance of balancing Areas of Occupation and the role of occupation with health, wellness, and the prevention of disease and disability.  
6. Introduce AOTA’s Code of Ethics and Standards of Practice related to Occupational Therapy Practitioners. | 1. Examinations  
2. Tests  
3. Assignments  
4. Group Activity & Discussion |
| **LAB Activities:**  
7. Describe and demonstrate examples of Human Occupation.  
8. Identify OTPF Areas of Occupation and Activity Demands.  
9. Identify OTPF Activity Demands.  
(GEO 1, 2, 3, 4, 5, 7, 8, 9)  
(B.1.1.) | 1. Describe Human Body Functions including:  
a. Neuromuscular and movement related function.  
b. Cardiovascular and respiratory function.  
c. Muscular function.  
d. Skeletal function.  
2. Explain how the central nervous system (CNS) and the peripheral nervous system (PNS) affect movement.  
3. Define common terms related to body function and movement.  
4. Define muscle roles and functions  
5. Identify terms for planes and axes.  
6. Define and give examples of movement.  
7. Identify characteristics of joint movement.  
8. Define and demonstrate anatomical direction. | 1. Examinations  
2. Tests  
3. Assignments  
4. Group Activity & Discussion  
5. Skills Check |
| **LAB Activities:**  
1. Review planes and axes.  
2. Demonstrate movements.  
3. Demonstrate anatomical direction.  
4. Application of OTPF body functions to real life situations. | **3.** Explain how different factors influence movement and affect function and disability related to the Unique Nature of Occupation based on the Occupation Therapy Practice Framework.  
(GEO 1, 2, 3, 4, 5, 7, 8, 9)  
(B.1.2., B.2.2., B.2.4., B.2.5., B.2.9., B.4.4., B.4.5., B.5.30., B.9.1.) | 1. Discuss how the World Health Organization (WHO), the International Classification of Functioning and Disability (ICF), and the Occupational Therapy Practice Framework focus on contextual and environmental factors related to function and disability.  
2. Describe and give examples of contextual factors:  
a. Cultural Factors  
b. Personal Factors  
c. Temporal Factors  
d. Virtual Factors  
3. Describe how engagement in an occupation occurs in an environment.  
4. Identify and discuss factors of the social environment.  
5. Identify and discuss factors of the man-made physical environment. Define and give examples of accessibility, negotiability, and universal design.  
6. Identify and discuss factors of the natural physical environment.  
7. Define and describe how forces in the natural environment impact movement.  
8. Describe why muscles are internal forces. | 1. Examinations  
2. Tests  
3. Assignments  
4. Group Activity & Discussion |
9. Explain primary external forces.
10. Summarize how Newton’s laws of motion affect a person’s ability to move.
11. Identify other related factors that can influence functional movement and the practice of OT, including the role of the OTA and the OT.

**LAB Activities:**
1. Apply the knowledge of how Contextual and Environmental Factors influence movement and function in real life situations.
2. Apply Newton’s laws of motion to everyday movements and motions.
3. Apply Related Factors to everyday movements.

| 4. Describe how the Occupational Therapy Practice Framework structures how human movement affects functional movement important to Occupational Therapy practitioners. | 1. List neuromuscular and movement related functions.
2. Describe motor and praxis performance skills.
3. Identify the components of Motor Behavior, including motor development, motor learning, and motor control.
4. Summarize the general motor stages of the developmental sequence.
5. Describe movement characteristics.
6. Discuss the Functional Movement Continuum.
7. Discuss posture, postural control, and anticipatory postural movements.
9. Define and demonstrate basic range of motion (ROM) principles and assessment skills, adhering to all safety issues.
10. Define and demonstrate basic manual muscle testing (MMT) skills.
11. Identify the role of the OT and the OTA in ROM and MMT. | 1. Examinations
2. Tests
3. Assignments
4. Group Activity & Discussion
5. Skills Check |

(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)  
(B.1.7., B.2.8., B.4.1., B.4.4., B.5.30.)

| 5. Explain human function and movement of the trunk and neck. | 1. Describe what factors are necessary to consider in providing a wheelchair to an individual.
2. Identify body functions of the trunk and neck.
3. Observe and describe function related to the trunk and neck.
4. Identify planes of the body and their location.
5. Recall vertebral segments.
6. Identify common problems with the trunk and neck.
7. Recall body structures of the trunk and neck. | 1. Examinations
2. Tests
3. Assignments
4. Group Activity & Discussion
5. Case Studies
6. Skills Check |

(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)  
(B.4.1., B.4.2.)

2. Discuss motion and function of the lower extremities.
3. Discuss how the trunk and lower extremities influence function for the Occupational Therapy practitioner including transfers, balance, safety, adaptive equipment, ADL’s and IADL’s.
4. Describe movement of the lower extremities.
5. Identify joints, motions, landmarks and range of motion for the lower extremities.
6. Discuss Occupation based mobility with visual observation of gait or walking patterns.
7. Identify common problems of the lower extremity.
8. Recall body structures of the lower extremities. | 1. Examinations
2. Tests
3. Assignments
4. Group Activity & Discussion
5. Case Studies
6. Skills Check |

(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)  
(B.4.1., B.4.2., B.5.12.)
### LAB Activities:

1. Apply knowledge of lower extremity function in real life situations for the Occupational Therapy practitioner.
2. Describe OTPF activity demands to understand what is really involved in completing daily activities.
3. Describe and demonstrate transitional movements that OTA’s reinforce for transfer training and ADL retraining.
4. Demonstrate extremity active and passive range of motion.

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<tr>
<td>7.</td>
<td>Explain human function and movement of the shoulder complex including the glenohumeral joint and scapula.</td>
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<tr>
<td></td>
<td>(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)</td>
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<td></td>
<td>(B.4.1., B.4.2.)</td>
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<tr>
<td>1.</td>
<td>Discuss and demonstrate motions of the shoulder girdle and glenohumeral joint.</td>
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<td>2.</td>
<td>Describe scapulohumeral rhythm.</td>
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<td>3.</td>
<td>Review strength characteristics of the shoulder girdle and glenohumeral joint.</td>
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<tr>
<td>4.</td>
<td>Identify common problem with the shoulder girdle and the glenohumeral joint.</td>
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<td>5.</td>
<td>Recall body structures of the shoulder complex.</td>
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<tr>
<td>6.</td>
<td>Describe and demonstrate range of motion principles for the shoulder girdle and the glenohumeral joint.</td>
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<tr>
<td>7.</td>
<td>Describe and demonstrate manual muscle testing for the shoulder girdle and the glenohumeral joint.</td>
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### LAB Activities:

1. Demonstrate range of motion assessment skills for the shoulder girdle and glenohumeral joint.
2. Demonstrate manual muscle testing skills for the shoulder girdle and glenohumeral joint.
3. Apply OTPF Areas of Occupations, Activity Demands, and health conditions for common problems of the shoulder girdle using the Occupational Profile.

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<tr>
<td>8.</td>
<td>Explain human function and movement of the elbow complex.</td>
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<td>(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)</td>
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<tr>
<td></td>
<td>(B.4.1., B.4.2.)</td>
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<tr>
<td>1.</td>
<td>Describe the motions of the elbow complex, including movement of the elbow and the forearm.</td>
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<td>2.</td>
<td>Discuss the strength characteristics of the elbow complex.</td>
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<tr>
<td>3.</td>
<td>Identify common problems of the elbow complex.</td>
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<td>4.</td>
<td>Recall body structures of the elbow complex.</td>
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<td>5.</td>
<td>Describe and demonstrate range of motion principles for the elbow complex.</td>
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<tr>
<td>6.</td>
<td>Describe and demonstrate manual muscle testing for the elbow complex.</td>
</tr>
</tbody>
</table>

### LAB Activities:

1. Demonstrate range of motion assessment skills for the elbow complex.
2. Demonstrate manual muscle testing skills for the elbow complex.
3. Apply the OTPF Areas of Occupations, Activity Demands, and Health Conditions for common problems of the elbow complex using the Occupational Profile.

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<tbody>
<tr>
<td>9.</td>
<td>Explain human function and movement of the wrist and hand.</td>
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<tr>
<td></td>
<td>(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)</td>
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<tr>
<td></td>
<td>(B.4.1., B.4.2.)</td>
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<tr>
<td>1.</td>
<td>List and describe the motions of the wrist.</td>
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<tr>
<td>2.</td>
<td>List and describe the motions of the hand.</td>
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<tr>
<td>3.</td>
<td>Discuss the common problems of the wrist and hand.</td>
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<td>4.</td>
<td>Discuss Rheumatoid Arthritis and Repetitive Stress Injuries.</td>
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<td>5.</td>
<td>Identify basic treatment options for problems of the wrist and hand including Rheumatoid Arthritis and Repetitive Stress Injuries.</td>
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<tr>
<td>6.</td>
<td>Describe and demonstrate range of motion principles for the wrist and hand.</td>
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<tr>
<td>7.</td>
<td>Describe and demonstrate manual muscle testing for the wrist and hand.</td>
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<tr>
<td>Lab Activities:</td>
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<tr>
<td>1. Demonstrate range of motion assessment skills for the wrist and hand.</td>
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<tr>
<td>2. Demonstrate manual muscle testing skills for the wrist and hand.</td>
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<tr>
<td>3. Apply the OTPF Areas of Occupations, Activity Demands, and Health Conditions for common problems of the wrist and hand using the Occupational Profile.</td>
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<tr>
<th>10. Summarize Kiniesological principles related to movement and function for the Occupational Therapy Assistant practitioner.</th>
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<tbody>
<tr>
<td>1. General review and practice of all course objectives and goals for the course.</td>
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<td>2. Review of lab activities and skills.</td>
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<tr>
<td>3. Identify and discuss when to acknowledge and recommend the need for referring clients for further evaluation.</td>
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</tbody>
</table>

(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)  
(B.4.1., B.4.2., B.4.9.)

1. Examinations  
2. Tests  
3. Assignments  
4. Group Activity & Discussion  
5. Case Studies  
6. Skills Check

General Education Objectives (GEO) may be found in the college’s catalog and website.  
Course Objective (CO) see syllabus.  
ACOTE Standards are listed under GEO’s of CO in syllabus.
Course Requirements and Expectations
(GEO 1, 2, 3, 5, 8, 9) (CO 1-10)

For successful completion of the course, students are expected to:

- Complete the course with a minimum grade of 75%.
- Attend class at the stated times for class, from start to end time.
- Actively participate in discussions during class.
- Actively participate in and complete all lab activities, assignments, and practices as directed. Written activities and assignments must be legible.
- Complete an electronic research/writing assignment in APA format.
- Complete homework assignments as directed, must be either typed or handwritten neatly and legibly.
- Abide by the attendance policies of the program and the course.
- Abide by the make-up examination policy of the course.
- Maintain professional behavior and communication at ALL times.
- Students are expected to know and review Anatomy and Physiology. Anatomy and physiology will not be reviewed in this course. Application of the knowledge of Anatomy and Physiology I and II will be expected for the Kinesiology principles of Analysis of Human Motion and Performance.

Academic Honesty Policy
(GEO 8, 9)

Academic integrity is expected of all students. Cheating and plagiarism are violations of academic integrity. All papers and presentations must be the student’s own work. Any student who has violated the academic honesty policy by exhibiting any of the following types of behavior during or in the preparation/performance of any quiz, project, report, test, or exam will receive a zero “0” for the assignment, and the student conduct violation will be referred to the Student-Faculty Disciplinary Committee. Cheating will not be tolerated in the Occupational Therapy Assistant Program. Students found cheating will be dismissed from the Occupational Therapy Assistant Program. Documented evidence of the offense will be kept in the General Education Department office and/or the Occupational Therapy Assistant Program office.

1. Cheating is defined as the act of obtaining information or data improperly or by dishonest or deceitful means. This includes the intentional use of unauthorized materials, information, or study aids in any academic exercise. This also includes helping or attempting to help another student to cheat or submit the same paper for two different classes without the explicit authorization / approval of both instructors. Each instructor will be available for consultation regarding any confusion a student may have before submitting an assignment.

2. Plagiarism is defined as the copying or imitating the language, ideas, or thoughts of another author and presenting them as one’s original work or the copying of another’s words in any medium without giving credit in a footnote in the proper format (such as MLA or APA documentation format). In both oral and written communication, the following guidelines for avoiding plagiarism must be followed:
   - Any words quoted directly from a source must be in quotation marks and cited.
• Any paraphrasing or rephrasing of the words and/or ideas of a source must be cited.
• Any ideas or examples derived from a source that are not in the public domain or of general knowledge must be cited.

Sharing information present on a test or exam is an example of academic dishonesty and will result in a grade of “F” for the course and immediate dismissal from the Occupational Therapy Assistant Program.

Emergency Information

In the event of a flu epidemic, severe inclement weather, or other emergency that results in the suspension of classes, faculty will be communicating with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via e2Campus, the College’s website and Blackboard. Students will be responsible for completing all of these assignments in accordance with class policies. Information about the resumption of classes will be communicated via the College’s website and email system. Class information will also be provided via “Remind”, contact TBA in class.

Attendance
(GEO 8, 9) (CO 1 – 12)

Students are expected to attend all class sessions, including lecture and lab. Students will not be allowed to make up lab or group work missed due to an unexcused absence. Students are expected to arrive on time for class and stay until the end of class. It is the student’s responsibility to acquire the information reviewed and ask questions to the course instructor. The student is encouraged to ask questions to the course instructor regarding content missed. Students absent from class will not be permitted to make-up missed tests, examinations or graded assignments administered during the scheduled class session unless the instructor is given prior notification of the absence. If a student is unable to attend a class, it is expected that the instructor is given prior notice of the absence.

Students are expected to act and perform in a respectful and professional manner at all times, including while in class, lab, and clinical. Repeated episodes of in-class disruption will be considered a valid reason for dismissal from the class session.Pager and cell phones must be placed in silent mode during the class sessions. Talking on cell phones or sending texts messages during class is prohibited.

Blackboard and Class Communication (GEO 7, 8)
(GEO 3, 5, 8, 9) (CO 1 – 12)

Blackboard is being used as a supplementary site in all OTA courses. To access course content in Blackboard you need to have access to a computer with an Internet connection, (other requirements may apply). Computers that meet these requirements are available on campus in AHB 108, MTC 200, AAB 217, HH 100, GH 204 and WDC 305.
Please follow these directions to access course syllabi and any other materials posted for this course:

**Login Information:**
1. From the Wor-Wic home page, point to “Quick Links” (top-right) and click the “Blackboard Login” link.
2. Enter your Wor-Wic user ID and password (same as your Wor-Wic email user ID and password). Don’t know your user ID or password? Contact Student Services.

**Blackboard Components:**
1. Posted course syllabus.
2. Instructor Announcements for the class will be listed under Announcements.
3. Messages from the course instructor will be located under the messages section of Blackboard.
4. When completed the following may be posted: presentations, study guides, assignment information, and grades.

**Blackboard Integrity**  
(*GEO 1, 2, 7, 8, 9)  (*CO 1, 2, 9)

All students logging into Blackboard affirm that they understand and agree to follow Wor-Wic Community College policies regarding academic integrity and the use of College resources as described in the college catalog.

Wor-Wic Community College considers the following as violations of the computer usage policy:
- Using the campus computing network and facilities to violate the privacy of other individuals.
- Sharing of account passwords with friends, family members or any unauthorized individuals.

Violators are subject to college disciplinary procedures.

**OTA Tutoring**

Tutoring sessions will be scheduled individually or in group sessions upon request by students or as determined necessary by the instructor. Please contact the instructor for an appointment with any questions related to the course or course content.

**Writing Assignment**  
(*GEO 1, 2, 3, 4, 5, 7, 8, 9)  (*CO 2, 3, 4, 5, 6, 7, 8, 9, 10)

For this course, each student shall prepare a brief written report on the following topic: Why Kinesiology is important for understanding and providing Occupational Therapy treatment for the Areas of Occupation identified in the Occupational Therapy Practice Framework (OTPF), 3rd Ed. This topic may be addressed in one of two formats:
1. The student may choose a diagnosis. Discuss this diagnosis in general and then based on research, relate why Kinesiology is important for providing Occupational Therapy for a patient with this diagnosis. OT treatment for Areas of Occupation related to a patient with this diagnosis must be discussed, as outlined in the OTPF.

2. A general overview and discussion on why Kinesiology or the Study of Movement is necessary for providing Occupational Therapy related to the Areas of Occupation listed and identified in the OTPF.

Specific Writing Assignment rubric and grading criteria will be provided.

**Due Date:** Sunday, November 20, 2016; 11:00 p.m., by electronic submission.

NO late writing assignments will be accepted. Failure to submit the writing assignment by Sunday, 11/20/16, by 11:00 p.m. EST, will earn a grade of 0 for the paper.

The report you prepare must:

1. Have a cover page listing the course number, your name, and the due date.
2. Be at least 3 full pages and no more than 5 pages in length – not including cover page and references page(s).
3. Have one inch margins, be double spaced, and be typed using 12 point font. Arial or Times New Roman fonts should be used.
4. The paper **MUST be properly written and referenced following APA format.** A copy of *Citing Sources: APA Style* is available in the resource centers. For further information and/or assistance on APA format, please visit any of the writing resource centers on campus, including AHB 108. References, in-text citations, and the paper must be in APA format. An abstract page IS NOT required. **For additional APA format information, visit www.apastyle.org.**
5. The paper must have at least three (3) references. References must come from the recent occupational therapy textbooks, peer-reviewed journals, and up-to-date occupational therapy publications. Wikipedia may not be used as a cited reference source. **References MUST be in APA format.**
6. Electronic submission is required: Your assignment must be in the file format of a Microsoft Word or Adobe PDF document.
7. The instructor will review and make suggestions for the paper, prior to the due date, for any student who is interested, with the following rules:
   a. The writing/research paper submitted for review **MUST be in final draft format,** including references and in-text citations, and be submitted for review at least one (1) week before the final due date.
   b. **APA formatting** must be followed for **ALL components** of the paper.
   c. The final draft of the paper must be complete as per the expectations identified in the syllabus and the grading rubric.
   d. A review of the paper, prior to final submission, will be conducted one (1) time only with suggestions for improvement provided at that time.
Examination / Test Policy  
(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9)  (CO 1 – 11)

It is expected that students complete all examinations and tests. This course has a comprehensive Midterm and Final Examination. Tests will be scheduled in class. Examinations and tests are based on the objectives for the course. Material for the exams and tests is derived from the course texts, assignments, and class discussions. Please keep in mind that material assigned from the texts may not be covered during lecture. The student is responsible for reading the text and knowing the assigned material regardless if it is discussed during the lectures. Exams and tests may be in the form of multiple choice, true/false, short answer, case studies or scenarios, essay questions, and demonstration of skills.

A comprehensive Midterm and Final Examinations (exam/s) will be given. These exams will evaluate ALL material covered in the course. The comprehensive Midterm and Final examinations will be administered as written exams and will be timed. No additional time will be awarded if a student arrives late to complete the exam. Unscheduled quizzes may be given throughout the course, as determined by the instructor. If an unscheduled or "pop" quiz is missed due to absence or tardiness, a grade of zero "0" will be given for the quiz.

Students are expected to be present on examination and test days. It is understood that emergencies, illness, or other situations may arise that cause a student to miss an exam/test. At the discretion of the instructor, a student may be permitted to take a make-up exam/test. The instructor may require the student to submit documentation verifying the circumstances that caused the student to miss an exam or test. If the instructor authorizes a make-up exam/test, the student will be provided with a time frame during which the make-up exam/test must be taken. If the student fails to take the make-up exam/test by the established deadline, he or she will receive the grade of zero for the exam/test and will not be granted the opportunity to retest. No exceptions. Make-up exams/tests will follow the same examination/test policy as previously stated. Notification, by phone, of an absence must be received by the instructor prior to the date of the exam/test being missed.

Students are expected to attend classes at the listed time of class, arriving prior to the start of class. If a student is unable to attend a class, it is expected that the instructor receive notification of the student’s absence prior to the start of the class. The student is responsible for obtaining all information covered during a missed class.

Unless authorized by the instructor, students are not permitted to use electronic devices during testing (i.e. calculators, PDA’s, cell phones, pagers, etc.). If the student is observed using an unauthorized device during testing, he or she will have their test or exam collected and the student will be dismissed from the examination site. The student will receive a score of zero “0” for the exam or test. No exceptions.

Examinations and tests administered during the course may not be taken from the classroom. There may be NO pictures or recordings taken of the tests or exams. After examinations and tests are graded, students will be given an opportunity to briefly review their examination or test. Test and examination review MUST be supervised and after review, the student must return all testing instruments to the instructor. You may view your exam/test file by arrangement with the instructor. When reviewing your exam/test
file, no electronic or recording devices, cell phones, paper, or writing utensils are permitted. No note taking is permitted when reviewing tests and exams. Review time will be limited to sixty (60) minutes for the test file.

**Assignments**
(GEO 1, 2, 3, 4, 5, 6, 7, 8, 9) (CO 1 – 11)

Assignment dates and topics are to be established during the course. Assignments will be expected to be submitted on the given due date. Late assignments will not be accepted and will be given a grade of “0” zero. Assignments must be formatted as directed, either typed or hand written neatly and legibly.

**Course Evaluation**

| Assignments / Lab Activities & Participation | 15% of grade |
| Writing / Research Assignment | 15% of grade |
| Tests / Quizzes | 20% of grade |
| Midterm Examination | 25% of grade |
| Comprehensive Final Examination | 25% of grade |

**Grading Scale**

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<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>93-100</td>
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<tr>
<td>B</td>
<td>84-92</td>
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<td>C</td>
<td>75-83</td>
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<td>D</td>
<td>66-74</td>
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<tr>
<td>F</td>
<td>0-65</td>
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**A FINAL GRADE BELOW A 75% RESULTS IN COURSE FAILURE AND DISMISSAL FROM THE OCCUPATIONAL THERAPY ASSISTANT PROGRAM.**

**GRADES ARE ROUNDED BY STANDARD MATH Rounding. ANY GRADES .5 AND HIGher WILL BE ROUNDED UP, AND GRADES BELOW .5 WILL BE ROUNDED DOWN.**

**Services for Students with Disabilities**

Wor-Wic provides reasonable accommodations for students with disabilities, in compliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. If you are in need of accommodations, please contact the counseling office at (410) 334-2889. For more information, see Wor-Wic’s Services for Students with Disabilities web page.
The Occupational Therapy Assistant Program at Wor-Wic Community College is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE’s telephone number c/o AOTA is 301-652-AOTA and its Web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Exam. Note that a felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure.
OTA 120 – Analysis of Human Motion and Performance Across the Lifespan

Tentative Schedule:
The Instructor reserves the right to modify the schedule.

<table>
<thead>
<tr>
<th>Week</th>
<th>In Class Topics</th>
<th>Text Reference</th>
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<tbody>
<tr>
<td>Week 1 9/08/16</td>
<td>Kinesiology: A Foundation in Occupational Therapy</td>
<td>Keough, Sain &amp; Roller, Chapter 1 AOTA, OTPF, 3rd Ed.</td>
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<tr>
<td>Week 2 - 3 9/15/16 9/22/16</td>
<td>Human Body Functions and Structures Influencing Movement</td>
<td>Keough, Sain &amp; Roller, Chapter 2 AOTA, OTPF, 3rd Ed.</td>
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<td>Week 4 9/29/16</td>
<td>Test #1 – Chapter 1 &amp; 2 Factors that Impact and Influence Movement and Function</td>
<td>Keough, Sain &amp; Roller, Chapter 3 AOTA, OTPF, 3rd Ed.</td>
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<tr>
<td>Week 5 &amp; 6 10/06/16 10/13/16</td>
<td>Introducing Movement Using the Occupational Therapy Practice Framework</td>
<td>Keough, Sain &amp; Roller, Chapter 4 AOTA, OTPF, 3rd Ed.</td>
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<td>Week 6 10/13/16</td>
<td>Make-Up Content and Review for Midterm</td>
<td>Keough, Sain &amp; Roller, Chapters 1-4 AOTA, OTPF, 3rd Ed.</td>
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<td>Week 7 10/20/16</td>
<td>MIDTERM EXAM</td>
<td>Keough, Sain &amp; Roller Chapter 1-4 AOTA, OTPF, 3rd Ed.</td>
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<td>Week 7 - 8 10/20/16 10/27/16</td>
<td>Function and Movement of the Trunk and Neck</td>
<td>Keough, Sain &amp; Roller, Chapter 5 AOTA, OTPF, 3rd Ed.</td>
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<td>Week 8 - 9 10/27/16 11/03/16</td>
<td>Function and Movement of the Lower Extremity</td>
<td>Keough, Sain &amp; Roller, Chapter 6 AOTA, OTPF, 3rd Ed.</td>
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<td>Week</td>
<td>In Class Topics</td>
<td>Text Reference</td>
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<td>Week 9 - 10</td>
<td>Function and Movement of the Shoulder Complex</td>
<td>Keough, Sain &amp; Roller, AOTA, OTPF, 3rd Ed.</td>
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<td>11/03/16</td>
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<td>11/10/16</td>
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<td>Week 11</td>
<td>Test #2 – Chapters 5, 6, and 7 Function and Movement of the Elbow Complex</td>
<td>Keough, Sain &amp; Roller, AOTA, OTPF, 3rd Ed.</td>
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<td>11/17/16</td>
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<tr>
<td>Writing Assignment Due</td>
<td>Writing Assignment Due: Sunday - 11/20/2016</td>
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<td>Week 12</td>
<td>Function and Movement of the Wrist and Hand</td>
<td>Keough, Sain &amp; Roller, AOTA, OTPF, 3rd Ed.</td>
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<td>Week 13</td>
<td>Continued Function and Movement of the Wrist and hand</td>
<td>Keough, Sain &amp; Roller, AOTA, OTPF, 3rd Ed.</td>
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<tr>
<td>Week 13</td>
<td>Review, Practice and Questions for Course Objectives and Goals</td>
<td>Keough, Sain &amp; Roller, AOTA, OTPF, 3rd Ed.</td>
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<td>Week 14</td>
<td>Comprehensive Final Examination</td>
<td>Keough, Sain &amp; Roller, AOTA, OTPF, 3rd Ed.</td>
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