PTA 180 – Pathology for the PTA

PTA 180 – C01
Summer 2016

Class Times: Tu. – Fri. 9:30 am to 11:45 am
Classroom: AHB 204

Instructor: Jon Waxham, PT, MPT, CSCS
Department Head and Associate Professor
Physical Therapist Assistant Program

Office: AHB 307K
Phone: 410-334-6766
Email: jwaxham@worwic.edu

Office Hours: Monday 9:30 – 11:30 am
Tuesday 2:30 – 4:30 pm
Wednesday 3:00 – 4:00 pm
or by appointment.

Required Texts

Course Description
PTA 180 Pathology for the PTA (3 credits)
This course includes a basic overview of the etiology, diagnosis, treatment, prognosis, and prevention of pathological diseases and conditions for different body systems. The focus is on the aspects of diseases and conditions that affect patient management and treatment in physical therapy. This course also includes a basic overview of pharmacological interventions in health care that could be encountered by the PTA. Hours: 39 lecture. Prerequisite: PTA 150 and permission of the department head. Course fee: $60. Usually offered in the summer.
### Course Objectives
Upon completion of the course, the student will:

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<th>Course Objectives</th>
<th>Assessment Goals</th>
<th>Assessment Strategies</th>
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| **1.** Describe the function of the following systems: immune; integumentary; endocrine; cardiovascular; pulmonary; vestibular; hematologic; respiratory; gastrointestinal; hepatic; renal; reproductive; urological; musculoskeletal; and nervous. (GEO 1, 2, 3, 5, 7, 8) | A. Identify the important anatomical structures for each system listed in objective 1.  
B. Describe the purpose and normal function of each system listed in objective 1.  
C. Discuss how function changes across the lifespan for each system listed in objective 1. | • Written Exams  
• Quizzes  
• Classwork |
| **2.** Discuss common pathologies and diseases for the body systems in objective 1. | A. Identify diseases and pathological conditions that affect each system listed in objective 1.  
B. Describe the etiology, diagnosis, and prognosis for selected pathologies.  
C. Describe typical medical and surgical management of pathologies affecting each system listed in objective 1.  
D. Discuss the psychological, financial, and social impact of various diseases and pathological conditions on the patient.  
E. Discuss the role of physical therapy intervention and/or impact on physical therapy intervention for selected diseases and pathological conditions affecting the body systems identified in objective 1.  
F. Describe the role of other healthcare providers in the management of diseases or pathological conditions affecting the human body.  
G. Apply the ICF model to various pathologies and diseases. | • Written Exams  
• Quizzes  
• Classwork  
• Writing Assignment |
| **3.** Discuss cancer, developmental disorders, and infectious diseases. (GEO 1, 2, 3, 5, 7, 8) | A. Describe the etiology, diagnosis, and treatment for various forms of cancer and their impact on physical therapy intervention.  
B. Identify different developmental disorders and their impact on function.  
C. Discuss the role of physical therapy and the PTA in the treatment of persons with developmental disorders.  
D. Discuss various infectious diseases and their impact on physical therapy intervention.  
E. Describe typical medical and surgical management of patients with cancer, | • Written Exams  
• Quizzes  
• Classwork |
<table>
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<tr>
<th>Course Objectives</th>
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<tbody>
<tr>
<td></td>
<td>developmental disorders and infectious diseases.</td>
<td>Written Exams</td>
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<td></td>
<td>F. Debate the rights of a patient to disclose or not disclose their infectious disease.</td>
<td>Quizzes</td>
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<tr>
<td>4. Discuss the impact of co-morbidities on physical therapy intervention.</td>
<td>A. Identify scenarios where a patient may present with more than one disease or pathological condition.</td>
<td>Classwork</td>
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<td></td>
<td>B. Describe the impact to patient function of having more than one disease or pathological condition.</td>
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<td></td>
<td>C. Discuss the effect on physical therapy intervention when treating a patient with more than one disease or pathological condition.</td>
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<tr>
<td>5. Discuss pharmacological interventions commonly encountered in physical therapy. (GEO 1, 2, 3, 7)</td>
<td>A. Identify medications used in medical treatment of various pathologies that may be encountered when delivering physical therapy intervention.</td>
<td>Written Exams</td>
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<td></td>
<td>B. Discuss the effect of various medications on physical therapy intervention.</td>
<td>Quizzes</td>
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<td></td>
<td>C. Describe situations where pharmacological factors may require a modification of treatment within the plan of care and communication with the supervising physical therapist.</td>
<td>Classwork</td>
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</table>

General Education Objectives (GEO) may be found in the college’s catalog and website. Course Objective (CO) see syllabus.

**Course Requirements and Expectations**

(CO 1 – 5)
For successful completion of the course, students are expected to:

- Complete the course with a minimum grade of 75%.
- Complete all written exams.
- Actively participate in discussions and complete quizzes and assignments when given.
- Demonstrate behaviors consistent with the Values-based Behaviors for the PTA.
- Complete an electronic research/writing assignment.
- Abide by the attendance, grading and make-up examination policies of the course.

**Academic Honesty Policy**

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 Physical Therapist Assistant Program. Students found cheating will be dismissed from the Physical Therapist Assistant
Program. Documented evidence of the offense will be kept in the General Education Department office and/or the Physical Therapist 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 that was present on a quiz/test/exam is an example of academic dishonesty and will result in a grade of “F” for the course and immediate dismissal from the Physical Therapist Assistant Program.

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) 334-2899. For more information, see Wor-Wic's Services for Students with Disabilities web page.

Emergency Information

In the event of severe inclement weather or other emergency, information about the closing of the college will be communicated via e2Campus and the College's website. Faculty will communicate with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via Blackboard. Students will be responsible for completing all assignments in accordance with class policies.

Attendance

Students are expected to attend all class and laboratory sessions; therefore, attendance records will be maintained. Consistent with the standards of professionalism, students are expected to arrive early and be ready for class at the scheduled time. If a student is unable to attend a class or lab session, they are to notify the instructor as soon as possible. When a student misses a class or lab session, it is the student’s responsibility to acquire the information reviewed and ask questions to the course instructor during a scheduled tutoring time and/or another scheduled time. Students
absent from class will not be permitted to make-up missed quizzes or graded assignments administered during the scheduled class session.

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

**Class Communication/Blackboard**

Blackboard will be used in all PTA courses. To access course information in Blackboard you need to have access to a computer with an Internet connection. Computers that meet these requirements are available on campus in BH 217, HH 100, GH 204, FOH 305, and AHB 108.

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. Don’t know your user ID or password? Contact Student Services.

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

**Blackboard Integrity**

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.

**Electronic Research/Writing Assignment**  
(CO 1-5)

For this course, each student shall use the Wor-Wic electronic resource center to identify reference materials to support a research paper on the following topic: **for a chosen disease/pathology,**
describe the role of the physical therapy intervention. The specific individual topics will be identified by the end of the second week of class and the specific writing assignment grading criteria will be provided.

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 4 pages in length, not including cover page and references page(s).
3. Be double spaced, and be typed using 12 point fonts. Arial or Times New Roman fonts should be used.
4. Be properly referenced following the current APA format. A copy of the APA format is available in the Media Center. An abstract page IS NOT required.
5. Have at least three (3) references. References must come from peer-reviewed journals, up-to-date physical therapy or medical textbooks or publications, or APTA publications. Wikipedia may not be used as a cited reference source.
6. Be submitted in an electronic format (paper documents will not be accepted), and your assignment must be in the file format of a Microsoft Word or Adobe PDF document.

**Due Date:** July 29th, 2016 by 9:00 am by electronic submission.

Failure to submit the writing assignment by July 29th, 2016 by 9:00am EST, will earn a grade of 0 for the paper.

If you wish to have additional help on a writing assignment, you may schedule an appointment with a writing conference instructor by going to your MyWorWic portal, selecting the Student Resources tab and then selecting Academic Support. Click on Writing Conferences to schedule a conference. Limited time slots are available, so an appointment is required. If you cannot keep your appointment, it is your responsibility to cancel it by going back to the Writing Conferences link. Please note that writing conferences are conducted in BH 227.

**Examination / Test Policy**

(CO 1 – 5)

It is expected that students complete all examinations. This course has 2 written as well as a comprehensive final written examination. Examinations are based on the objectives for the course. Material for the exams is derived from the course texts, assignments, and lecture and laboratory sessions. 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 of whether or not it is discussed during the lectures.

**ATTENDANCE AT ALL SCHEDULED EXAMINATIONS IS MANDATORY.** Any student absent from examinations due to illness or injury must have a written justification from their physician. All other cases of a missed examination will require a meeting with the faculty member in charge of the course to discuss the absence. It is at the discretion of the faculty member to determine if extenuating circumstances are sufficient to allow for a make-up examination. IF ALLOWED, any make up examination must be taken no later than three (3) days after the student
returns to class. Any un-excused absence from an examination will automatically result in a score of ZERO for that examination.

After all exams are graded, students will be given an opportunity to review their exam. After review, the student must return all testing instruments to the instructor. You may view your exam file with the instructor during the instructors posted office hours or by scheduling a special appointment.

**Written Exam Procedures:**
Seating assignments, length of time to complete the test, and test format are at the discretion of the course instructor. Upon entering the room, students will be directed to place all personal belongings in a designated area within the classroom. All electronic devices are to be turned off during the examination. The only personal items allowed to be with students are #2 pencils. If it is deemed necessary to have scrap paper for an examination, the instructor will provide it for students. Once an examination has been passed out, students are not allowed to leave the testing room until they have completed their examination and turned in their paper. Upon completion of their test, students should turn in their examination and score sheet, gather their personal belongings and exit the room as quietly as possible. It is highly recommended students do not loiter outside the doors to the testing room to avoid the appearance of cheating. **All students must turn in all test materials.** Failure to turn in all test materials will result in a score of ZERO on the exam.

**Quizzes**
(CO 1-5)
Students will complete quizzes on information found in the reading assignments and on information presented during class. Quizzes administered during class sessions will have a time limit for completion. Quizzes will be distributed throughout the semester to measure the student’s knowledge of course concepts and to encourage class attendance. Students are expected to complete chapter reading assignments before scheduled class meetings for quiz preparation. Quizzes will not be announced and will be given at different times throughout the class session. Students who report late or leave early may miss the quiz. **NO MAKE-UP QUIZZES WILL BE ADMINISTERED.** **Quizzes are at the discretion of the course instructor.** The instructor may choose to give or not give a quiz during any lecture meeting that does not have an exam scheduled.

**Assignments**
(CO 1-5)
Students will complete assignments during scheduled course sessions and/or for homework. Completion by the deadline indicated is required to earn credit for assignments. Failure to attend class or arriving late/leaving early may result in students earning a grade of 0 for assignments completed for that day. **Class assignments are at the discretion of the course instructor.** The instructor may choose to give or not give an assignment during any lecture meeting that does not have an exam scheduled.
Course Evaluation

In Class Assignments/Quizzes 15 % of grade
Writing/Research Assignment 15 % of grade
Written Exams (2) 40 % of grade
Comprehensive Written Final Examination 30 % of grade

Grading Scale

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<tr>
<th>Grade</th>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>A</td>
<td>93 – 100</td>
<td>Excellent</td>
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<tr>
<td>B</td>
<td>84 – 92</td>
<td>Good</td>
</tr>
<tr>
<td>C</td>
<td>75 – 83</td>
<td>Average</td>
</tr>
<tr>
<td>D</td>
<td>66 – 74</td>
<td>Course Failure</td>
</tr>
<tr>
<td>F</td>
<td>0 – 65</td>
<td>Course Failure</td>
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A FINAL GRADE BELOW A 75.0% RESULTS IN COURSE FAILURE AND DISMISSAL FROM THE PHYSICAL THERAPIST ASSISTANT PROGRAM. GRADES WILL NOT BE ROUNDED, A 74.9% IS CONSIDERED A FAILING GRADE.
# Tentative Schedule: The Instructor reserves the right to modify the schedule.

<table>
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<tr>
<th>Dates</th>
<th>Lecture Topic</th>
<th>Text Reference</th>
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<tbody>
<tr>
<td>June 3</td>
<td>Health, Disease and Healing</td>
<td>Intro. to Pathology: Ch. 1-2</td>
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<tr>
<td>June 7</td>
<td>Early Human Development/Effects of Aging</td>
<td>Intro. to Pathology: Ch. 3, 28</td>
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<tr>
<td>June 10</td>
<td>Health problems in children/Genetic and</td>
<td>Intro. to Pathology: Ch. 4, 6</td>
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<td>June 14</td>
<td>Congenital Disorders</td>
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<td>June 17</td>
<td>Oncology</td>
<td>Intro. to Pathology: Ch. 7</td>
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<tr>
<td>June 21</td>
<td>Immune system/Infectious Diseases/Autoimmune</td>
<td>Intro. to Pathology: Ch. 8, 10</td>
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<tr>
<td></td>
<td>Diseases</td>
<td></td>
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<td>June 28</td>
<td>Cancer</td>
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<td>EXAM 1</td>
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<tr>
<td>July 1</td>
<td>Digestive system/Urinary system</td>
<td>Intro. to Pathology: Ch. 18, 19</td>
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<tr>
<td>July 5</td>
<td>Endocrine system/reproductive system</td>
<td>Intro. to Pathology: Ch. 20-22</td>
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<tr>
<td>July 8</td>
<td>Musculoskeletal system</td>
<td>Intro. to Pathology: Ch. 16</td>
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<tr>
<td>July 12</td>
<td>Musculoskeletal system/Integumentary system</td>
<td>Intro. to Pathology: Ch. 16, 23</td>
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<tr>
<td>July 15</td>
<td>Nervous system</td>
<td>Intro. to Pathology: Ch. 14</td>
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<tr>
<td>July 19</td>
<td>Nervous system/Disorders of the eye and ear</td>
<td>Intro. to Pathology: Ch. 14-15</td>
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<td>July 22</td>
<td>Psychological Disorders</td>
<td>Intro. to Pathology: Ch. 25</td>
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<tr>
<td>EXAM 2</td>
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<td>July 26</td>
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<tr>
<td>July 29</td>
<td>Co-morbidities and impact on PT intervention</td>
<td>Writing Assignment Due</td>
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<tr>
<td>August 2</td>
<td>Review</td>
<td></td>
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<tr>
<td>TBD</td>
<td>FINAL WRITTEN EXAM</td>
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