PTH115
Pathology for PTA
Fall 2012

Course Description
PTH 115 Pathology for PTA
Lec. 3 Lab. 0 Cr. 3
This course is an introduction to basic pathologies encountered in different health care settings.
3 Cr (3 lect/pres, 0 lab, 0 other)

Course Focus
This course is an introductory study of the basic pathophysiology of the body with emphasis on the body’s reaction to disease and injury. Concepts related to pathological conditions, risk factors, incidence, etiological factors, pathogenesis, clinical manifestations and prognosis of various medical conditions are presented. The impact of these conditions on physical therapy intervention as direct by a licensed physical therapist is presented.

Text and References

Course Objectives/Learning Objectives
1. Cite the definition, risk factors, incidence, etiological factors, pathogenesis, clinical manifestations and prognosis of common diseases and disorders.
2. Examine the potential impact of various medical conditions on physical therapy interventions.
3. Examine the processes of burn care.
4. Examine the processes of pulmonary rehabilitation.
5. Examine the processes of cardiac rehabilitation.
7. Examine the impact of aging on disease processes.
Course Goals
The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives. (*designates a CRUCIAL goal)

1. calculate extent of burns
2. categorize disease risk factors
3. categorize specific diseases
4. compare specific disorders
5. compare types of immunity
6. define key terms*
7. describe dermal healing stages
8. describe infectious agent transmission modes
9. describe medication adverse effects
10. determine mental illness interaction strategies
11. differentiate burn classifications
12. differentiate specific disorders
13. examine antibiotic resistance issues
14. examine disease impact on physical therapy*
15. examine specific disease physical therapy interventions*
16. explain aging impacts on organ systems
17. explain neoplasm classifications
18. explain specific disease processes
19. explain specific diseases impact on exercise*
20. explain Wadell's signs
21. identify factors impacting specific organ systems
22. identify four basic infectious agent types
23. identify four obesity risk factor categories
24. identify specific disease treatment modalities
25. interpret urinalysis values
26. list four types urinary incontinence
27. list leading U. S. death causes
28. list specific disease complications
29. list specific disease medications
30. locate digestive system organs
31. recall nosocomial infection prevention strategies*
32. recall organ system functions
33. recall organ system structures
34. recognize cancer grades
35. recognize cancer stages
36. relate weight status to BMI
37. specify infectious disease transmission modes
38. state metabolic syndrome conditions
39. state normal arterial blood gas values
40. state specific disease clinical manifestations*
41. state specific disease etiologies
42. state specific disease prognoses
43. summarize metastases mechanisms
44. summarize specific disease pathogenesis
45. summarize the Chain of Transmission

Student Contributions
Classes are designed to employ a variety of teaching techniques. In order to maximize learning, required readings and Web enhanced sections should be done prior to class. If a student is falling behind in clinical performance and/or academic achievement, it is imperative to seek immediate assistance from the instructor.

Course Evaluation
Exam #1 200 points
Exam #2 200 points
Exam #3 200 points
Cumulative Final Exam 100 points
Homework Assignments 300 points
Total 1000 points

Course Schedule
Tuesday: 11:00-12:00
Wednesday: 8:30-10:00
Thursday: 11:00-12:00

ADA Statement
The Technical College of the Lowcountry provides access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation, contact the counselor for students with disabilities at (843) 525-8228 during the first ten business days of the academic term.

Attendance
1. The College’s statement of policy indicates that students must attend ninety percent of total class hours or they will be in violation of the attendance policy.
2. Students not physically attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
3. Students taking an online/internet class must sign in and communicate with the instructor within the first ten calendar days from the start of the semester to indicate attendance in the class. Students not attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
4. Reinstatement requires the signature of the division dean.
   a. In the event it becomes necessary for a student to withdraw from the course OR if a student stops attending class, it is the student’s responsibility to initiate and complete the necessary paperwork. Withdrawing from class may have consequences associated with financial aid and time to completion.
   b. When a student exceeds the allowed absences, the student is in violation of the attendance policy. The instructor MUST withdrawal the student with a grade of “W”, “WP”, or “WF” depending on the date the student exceeded the allowed absences and the student’s progress up to the last date of attendance or
c. under extenuating circumstances and at the discretion of the faculty member teaching the class, allow the student to continue in the class and make-up the work. This exception must be documented at the time the allowed absences are exceeded.
d. Absences are counted from the first day of class. There are no "excused" absences. All absences are counted, regardless of the reason for the absence.

5. A student must take the final exam or be excused from the final exam in order to earn a non-withdrawal grade.

6. Students are expected to be in class on time. Arrival to class after the scheduled start time or leaving class prior to dismissal counts as a tardy. Three tardies and/or early departures are considered as one absence unless stated otherwise.

7. It is the student’s responsibility to sign the roll/verify attendance with instructor upon entering the classroom. Failure to sign the roll/verify attendance results in a recorded absence. In the event of tardiness, it is the student’s responsibility to insure that attendance is marked. The student is responsible for all material/announcements presented, whether present or absent.

8. Continuity of classroom and laboratory (which includes clinical experiences) is essential to the student’s progress in providing safe and competent patient care. Students are expected to use appropriate judgment for participating in clinical activities. To evaluate the student’s knowledge and skills, it is necessary for the student to be present for all clinical experiences. If absence does occur, the designated clinical site, in addition to the Division of Health Sciences Administrative Assistant, must be notified by telephone no later than 30 minutes prior to the start of the clinical experience. The Division of Health Sciences telephone number is 843-525-8267.

A copy of TCL’s STATEMENT OF POLICY NUMBER: 3-1-307 CLASS ATTENDANCE (WITHDRAWAL) is on file in the Division Office and in the Learning Resources Center.

Hazardous Weather
In case weather conditions are so severe that operation of the College may clearly pose a hardship on students and staff traveling to the College, notification of closing will be made through the following radio and television stations: WYKZ 98.7, WGCO 98.3, WGOZ 103.1, WFXH 106.1, WWVY 106.9, WLOW 107.9, WGZB 104.9, WFXH 1130 AM, WLVH 101.1, WOSK 1230 AM, WAEV 97.3, WQCO TV, WTGS TV, WJWJ TV, and WSAV TV. Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. www.tcl.edu/textalert.asp

Academic Misconduct
There is no tolerance at TCL for academic dishonesty and misconduct. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship.

It is the student’s responsibility to address any questions regarding what might constitute academic misconduct to the course instructor for further clarification.

The College adheres to the Student Code for the South Carolina Technical College System. Copies of the Student Code and Grievance Procedure are provided in the TCL Student Handbook, the Division Office, and the Learning Resources Center. Health care professionals hold the public trust. Academic misconduct by health science students calls that trust into question and academic integrity is expected.
It is a fundamental requirement that any work presented by students will be their own. Examples of academic misconduct include (but are not limited to):

1. copying the work of another student or allowing another student to copy working papers, printed output, electronic files, quizzes, tests, or assignments.
2. completing the work of another student or allowing another student to contribute to working papers, printed output, electronic files, quizzes, tests, or assignments.
3. viewing another student’s computer screen during a quiz or examinations.
4. talking or communicating with another student during a test.
5. violating procedures prescribed by the instructor to protect the integrity of a quiz, test, or assignment.
6. plagiarism in any form, including, but not limited to: copying/pasting from a website, textbook, previously submitted student work, or any instructor-prepared class material; obvious violation of any copyright-protected materials.
7. knowingly aiding a person involved in academic misconduct.
8. providing false information to staff and/or faculty.
9. entering an office unaccompanied by faculty or staff.
10. misuse of electronic devices.

GRADING POLICY

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<tr>
<th>Grading scale</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
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<tr>
<td>82% - 89%</td>
<td>B</td>
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<td>75% - 81%</td>
<td>C</td>
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<td>70% - 74%</td>
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<td>Below 70%</td>
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<td>W</td>
<td>withdraw</td>
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<td>WP</td>
<td>withdraw with passing grade</td>
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<td>WF</td>
<td>withdraw with failing grade</td>
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<td>I</td>
<td>Incomplete</td>
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Grading Methodology. The final grade must be 75.000 or more in order to pass the course and progress in the program. Students absent from an examination or presentation will receive a “0” grade for the examination unless other arrangements are made with the individual instructor prior to the examination or presentation day or on the examination or presentation day before the test/presentation is scheduled to be given. It is the responsibility of the student to contact the appropriate instructor to arrange to make up the examination. Arrangements may be completed by telephone. If the instructor is not available, a message should be left on the instructor’s voice mail AND with another member of the faculty or administrative assistant. The instructor will decide the time and method of make-up examinations on an individual basis. Messages sent by other students are unacceptable. The student is responsible for notifying the instructor of the reason for the absence. Grades are posted on Blackboard within one week of administration of tests and examinations.

Course Coordinator: Cindy Buchanan
Office Location: Room 4/113
Telephone: 843-525-8230
Email: cbuchanan@tcl.edu
Office Hours: By Appointment
<table>
<thead>
<tr>
<th>Week Starting</th>
<th>Topics</th>
<th>Readings</th>
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<tbody>
<tr>
<td>August 16</td>
<td>Introduction Infectious Diseases</td>
<td>Lescher Ch. 2: 45--50; Ch.5: 195-199</td>
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<td>August 21-22</td>
<td>Oncology</td>
<td>Lescher Ch. 2: 41-44; Ch. 10: 421-431;437-438;448-449</td>
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<td>August 23;28-30</td>
<td>The Immune System</td>
<td>Lescher Ch. 2: 33-41; Ch.6: 213-242</td>
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<td>September 4</td>
<td>Mental Health Dementia</td>
<td>O’Sullivan &amp; Schmitz: Ch. 2</td>
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<td>September 5-6</td>
<td>The Integumentary System &amp; Burns</td>
<td>Lescher Ch. 8; O’Sullivan &amp; Schmitz: Ch. 27</td>
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<td>September 11-12</td>
<td>The Gastrointestinal System</td>
<td>Lescher Ch. 12: 521-531;545-554</td>
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<td>September 13</td>
<td>Exam #1</td>
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<td>September 18-20</td>
<td>The Renal &amp; Urologic Systems</td>
<td>Lescher Ch. 12: 554-561;566-567</td>
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<td>September 25-27</td>
<td>The Endocrine &amp; Metabolic Systems</td>
<td>Lescher Ch. 9: 383-396;398-406</td>
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<td>October 2-4</td>
<td>Nutritional Disorders</td>
<td>Lescher Ch. 9: 408-415</td>
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<td>October 9-11</td>
<td>Respiratory Diseases</td>
<td>Lescher Ch. 4; O’Sullivan &amp; Schmitz: Ch. 15</td>
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<td>October 17-18</td>
<td>The Hematologic &amp; Cardiovascular Disorders</td>
<td>Lescher Ch. 3; O’Sullivan &amp; Schmitz: Ch. 16</td>
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<td>The Hematologic &amp; Cardiovascular Disorders</td>
<td>Lescher Ch. 3; O’Sullivan &amp; Schmitz: Ch. 16</td>
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<td>The ICU</td>
<td>Lescher Ch. 13</td>
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<td>October 31</td>
<td>Geriatric Considerations</td>
<td>Lescher Ch. 14</td>
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<td>November 8</td>
<td>Final Exam</td>
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Revised and Approved  M.Sapp 7-24-12