**Course title and number**  
PTH 115 – Pathology for PTA (Section 01)

**Credit hours**  
3

**Course Catalog description**  
This course is a study of basic pathophysiology of the human body with an emphasis on management of diseases and injuries seen in physical therapy.

**Course pre-requisites**  
Entry into the PTA program

**Course co-requisites**  
PTH 101, PTH 235

**Department**  
Health Sciences

**Instructors**  
Lecture: Dr. Vicki Daniel

**Clock hours (lecture and laboratory)**  
Lecture: 3 Lab: 0

**Lecture Schedule**  
Day(s)/Time: M/W 1-3 pm; Location: 4/128

**Lab Schedule**  
N/A

**Required textbook(s)**


**Recommended textbook(s)**


**INTRODUCTION**

The syllabus is an outline of the course material, does not constitute a contract, and is subject to change with adequate notice.

**User responsibility on use and duplication of computer software (TCL Procedure 7-1-702.5):**

Students are responsible for the legal use of computer software and applicable copyright laws and are prohibited from copying software on College computers and from installing personal software.

**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

Reviewed by: V. Daniel 8/2017  
Reviewed and approved by: GMLevicki 8/2017
1. Discuss the etiology of common pathologies.
2. Explain medical interventions related to common disease processes.
3. Summarize the various signs and symptoms of common disease processes.
4. Describe PT interventions in the context of common disease processes.
5. Understand the prognosis of common pathological conditions.

COURSE TOPIC OUTLINE

1. Inflammation and healing
2. Immunopathology
3. Cardiovascular Pathologies
4. Respiratory Diseases
5. Degenerative Joint Diseases and Bone Pathologies
6. Rheumatoid Arthritis and Related Conditions
7. Neurological disorders
8. Burns and Skin Conditions
9. Endocrine and Metabolic Diseases
10. Infectious Diseases
11. Female and Male reproductive system conditions
12. Diseases of the Digestive and Urinary Systems
13. Intensive Care
14. Geriatric Patient

COURSE GOALS

Describe the physiological mechanisms of the immune response.*
Determine the implications of neoplasia for physical therapy interventions.*
State the causes, classification, and medical treatment for neoplasias.*
Describe the normal components and physiology of the cardiovascular system.*
Describe major disease processes of the cardiovascular system.*
Describe the major functions of the lungs.*
Describe common respiratory pathologies seen in physical therapy.*
Recognize the general signs and symptoms of respiratory diseases.*
Describe the pathological mechanisms of osteoarthritis, osteoporosis, and other bone pathologies.*
Describe the pathological mechanisms of tumors that affect bone and cartilage.*
Describe the physical therapy interventions for patients with osteoarthritis, osteoporosis, and other bone pathologies.*
Describe the pathological mechanisms of rheumatoid arthritis, juvenile rheumatoid arthritis, and Still’s disease.*
Describe the pathological mechanisms of ankylosing spondylitis, psoriatic arthritis, systemic lupus erythematosus, scleroderma, Sjögren’s syndrome, and several of the more common forms of rheumatoid-related inflammatory joint pathologies and connective tissue diseases.*

Discuss the pathological mechanisms of muscular dystrophy, myasthenia gravis, and other muscular diseases.*

Describe the pathological mechanisms of burns and other skin conditions.*

Discuss the physical therapy intervention for patients with various skin conditions.*

Determine the role of the physical therapist assistant in working with patients with burns and other skin conditions.*

Discuss the contraindications, precautions, and special considerations for physical therapist/physical therapist assistant intervention for patients with burns and other skin conditions.*

Discuss the physical therapy interventions for patients with diabetes mellitus and other endocrine, and metabolic disorders.*

Determine the role of the physical therapist assistant working with patients with endocrine and metabolic disorders.*

Apply contraindications, precautions, and special indications for physical therapist/physical therapist assistant intervention for patients with diabetes mellitus and other endocrine and metabolic disorders.*

Describe the pathology of other infectious diseases and their relationship to health-care employees.*

Determine the role of physical therapy intervention in the management of people with infectious diseases.*

Understand protective measures to prevent contraction and spread when managing individuals with infectious diseases.*

Recognize the contraindications, precautions, and special considerations for physical therapist/physical therapist assistant interventions for patients with urinary and digestive system diseases.*

Determine physical therapy intervention for patients with digestive and urinary system diseases.*

Analyze the contraindications and precautions specific to diagnoses for physical therapists treating patients in the intensive care unit.*

Delineate physical therapy interventions for patients in the intensive care unit.*

Apply the specific considerations for physical therapists treating patients in the pediatric intensive care unit.*

* Denotes critical goal
COURSE REQUIREMENTS

CLASSROOM REQUIREMENTS

Technical requirements include, but are not limited to:

- PC or Mac computer access
- Internet access with a 56K modem (but it is highly recommended that you have DSL or High-Speed Cable Internet Access)
- 64 MB system RAM; 200 MB free hard-disk space or sufficient storage
- Reliable e-mail account access and Internet provider
- CD-ROM/DVD capabilities

For this course to run properly, the student is expected to be prepared for each class including, but not limited to:

- Completing assignments
- Participation in class activities
- Participating in service learning

COURSE POLICIES AND PROCEDURES

TEACHING METHODS AND LEARNING EXPERIENCES

Course objectives will be met through lecture, peer instruction, service learning, case studies, cooperative learning, and discussion utilizing various media to maximize the clinical relevance of the material presented.

TESTING PROCEDURES

Students may be scheduled for testing at the TCL Testing center. Students will observe the following Testing Center Rules & Regulations:

1. Students must present a photo I.D. prior to testing.
2. Food and drinks are not allowed in the Testing Center.
3. Cell phones are to be turned off prior to entering the Testing Center and stored in a locker.
4. Children are not allowed to accompany students into the testing room and may not be left unattended in the lobby or hallway.
5. You must leave enough time to complete your test before the Testing Center closes.
6. If you have a documented disability and need special accommodations for placement testing, please contact the Associate Vice President of Student Affairs, at 843-525-8219.

Testing center information can be found here: https://www.tcl.edu/admissions/placement-testing/
In class exam procedures: can be reviewed in the PTA student handbook.

ELECTRONIC COMMUNICATION

The Technical College of the Lowcountry provides access to email for all students, faculty and staff. Email is an official method of communication at the Technical College of the Lowcountry.

Students are held strictly responsible for the consequences of not reading College related communications sent to their official Technical College of the Lowcountry email address. Students in the Physical Therapy Assistant program at the Technical College of the Lowcountry will utilize their Technical College of the Lowcountry email accounts for all communication with faculty and staff.

When using email as an official means of communication, students should apply the same professionalism, discretion, and standards that they would use in written business communication. Students should not communicate anything via email that they would not be prepared to say publicly.

ATTENDANCE

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.

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.

- Students taking an online/internet class must sign in and complete and assignment designated by 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.
- Reinstatement requires the signature of the Division Dean.

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 contact the instructor via e-mail requesting to be withdrawn from the class.

- Withdrawing from class may have consequences associated with financial aid and time to completion. Students are strongly encouraged to consult with Financial Aid prior to withdrawing from any class, particularly if the student is currently on a warning or probation status.

When a student exceeds the allowed absences, the student is in violation of the attendance policy. The instructor **MUST withdraw 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

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.

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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.

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

**In addition to the above:**

Arrival to class, clinical, and lab by the published time is an expectation for all students. Class, clinical, and lab times are measured by the clock in these teaching areas.

- 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.
- Instructor must be notified prior to start of class by call, text or email if the student is going to be late.

It is the student’s responsibility to sign the roll sheet (if used) or verify attendance with instructor upon entering the classroom.

- Failure to sign the roll/verify attendance results in a recorded absence.
- **The student is responsible** for all material/announcements presented, whether present or absent.

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 classroom, laboratory and clinical experiences**.

Students **must notify** the clinical site in addition to leaving a message on the administrative assistant’s voice mail no later than “30 minutes” PRIOR to their **clinical start time** and follow proper steps outlined in the course syllabus and/or syllabus addendum in addition to the PTA Student Handbook depending upon the student’s tardiness or being absent from the clinical setting.

- The Division of Health Sciences telephone number is (843-525-8267). **Failure to follow notification procedures WILL RESULT IN DISMISSAL FROM THE PROGRAM.**

Absences from the clinical area are strongly discouraged. The attendance policy applies to clinical activities.

- **“NO CALL, NO SHOW”** while participating in a clinical rotation is unprofessional conduct and **THE STUDENT WILL BE DISMISSED FROM THE PROGRAM.**
  *Please refer to the Division Handbook for clarification of the No Call/No Show process.

**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.**

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HAZARDOUS WEATHER

In the event of hazardous weather conditions, local radio and television stations will announce information concerning the cancellation of classes.

- Please tune to The River, 98.7 FM, for announcements of college closing due to hazardous weather.
- Tracking of any hazardous weather may also be found on the website at www.tcl.edu.
- With TCL’s TextAlerts you can receive immediate notification of emergency events via text messaging on your cell phone. All students are strongly encouraged to register their cell phones with this service. Signing up is easy, just fill out the simple form on the TCL website (www.tcl.edu/text-alert).

ACADEMIC MISCONDUCT

The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship. Academic dishonesty at TCL will not be tolerated.

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 and are available on the College’s website at www.tcl.edu as well as at http://www.sctechsystem.com/students/code-and-grievance.html.

There is no tolerance at TCL for academic dishonesty and misconduct. It is the student’s responsibility to address any questions regarding what might constitute academic misconduct to the course instructor for further clarification.

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. Cheating on tests, plagiarism, collusion, and falsification of information may call for disciplinary action. Examples of academic misconduct include, but are not limited to:
1. Cheating on tests is defined to include the following:
   a. Copying from another student's test or answer sheet.
   b. Using materials or equipment during a test not authorized by the person giving the test.
   c. Collaborating with any other person during a test without permission.
   d. Knowingly obtaining using, buying, selling, transporting, or soliciting in whole or in part the contents of a test prior to its administration.
   e. Bribing or coercing any other person to obtain tests or information about tests.
   f. Substituting for another student, or permitting any other person to substitute for oneself.
   g. Cooperating or aiding in any of the above.

2. "Plagiarism" is defined as the appropriation of any other person's work and the unacknowledged incorporation of that work in one's own work.

3. "Collusion" is defined as knowingly assisting another person in an act of academic dishonesty.

4. "Fabrication" is defined as falsifying or inventing information in such academic exercises as reports, laboratory results, and citations to the sources of information.

In addition to the above:
5. Viewing another student’s computer screen during a quiz or examinations.
6. Talking or communicating with another student during a test.
7. Violating procedures prescribed by the instructor to protect the integrity of a quiz, test, or assignment.
8. 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.
9. Knowingly aiding a person involved in academic misconduct.
10. Providing false information to staff and/or faculty.
11. Entering an office unaccompanied by faculty or staff.

APPROPRIATE USE OF ELECTRONIC DEVICES

TCL recognizes the importance of providing the best learning environment for its students.

- To eliminate class disruptions and protect the integrity of the classroom and instruction, the use of electronic devices such as cellular phones, pagers, smart watches and other electronic devices is not permitted in classrooms/labs, the Learning Resources Center, computer laboratories, testing centers, and other instructional locations at TCL.
- During examinations, students must remove watches and place in the front of the classroom, along with all personal belongings and electronic devices. There is a 10 point penalty on the examination for any noise emitting from an electronic device.

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Such devices must be maintained in “silent” mode. Students are not permitted to use the “text” function of these devices in instructional locations.

On-call personnel who must maintain these devices in “active” mode in the interest of public safety must notify the instructor of their need for an exception at the beginning of classes for the term. The instructor may request documentation from these students verifying employment.

The student will receive a grade reduction per violation of this policy after the first warning.

Students are not allowed to have their cellular phones, pagers, smart watches, and other electronic devices at their clinical rotations. Violation of the rules/requirements listed above will be reason for dismissal from the Physical Therapy Assistant program.

DRESS CODE

1. Students are expected to attend class dressed neatly and well groomed.
2. Clothes must be clean, non-stained, in good repair, tucked in as appropriate, pressed and free of wrinkles.
3. Clothing must be non-seductive, and not exotic or extreme in style.
4. Clothing should fit properly, proportionately correct for body size (not too tight, oversized, too short, too long, etc.).
5. Clothing should be plain and casual.
6. TCL branded clothing is acceptable.
7. All students are expected to wear appropriate undergarments that are not visible (for example: colors, prints, thongs, etc.) and must be worn under the exterior garment.
8. A bra must be worn by females including under a camisole.
9. Caps and sunglasses will be removed in the classroom.
10. Clothing must not reveal the navel, breast or bottom.
11. A student in violation of the dress code will be dismissed from the classroom resulting in an absence.
COURSE STANDARDS, EVALUATION METHODS/CRITERIA, GRADING POLICY

COURSE EVALUATION

<table>
<thead>
<tr>
<th>EVALUATION</th>
<th>Number of Assignment</th>
<th>Points Assigned</th>
<th>Percentage of Weighted Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm</td>
<td>1</td>
<td>100</td>
<td>25%</td>
</tr>
<tr>
<td>Final</td>
<td>1</td>
<td>100</td>
<td>25%</td>
</tr>
<tr>
<td>Chapter questions and presentation</td>
<td>13</td>
<td>52</td>
<td>30%</td>
</tr>
<tr>
<td>Case Study</td>
<td>3</td>
<td>12</td>
<td>20%</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>268</td>
<td>100%</td>
</tr>
</tbody>
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GRADING SCALE

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<thead>
<tr>
<th>Grading scale</th>
<th>W</th>
<th>WP</th>
<th>WF</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>90% - 100% A</td>
<td>withdraw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82% - 89% B</td>
<td></td>
<td>withdraw with passing grade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75% - 81% C</td>
<td></td>
<td>withdraw with failing grade</td>
<td></td>
<td></td>
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<tr>
<td>70% - 74% D</td>
<td></td>
<td></td>
<td></td>
<td>Incomplete</td>
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<tr>
<td>Below 70% F</td>
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GRADING POLICY

Grading Methodology. The final grade must be **75.00%** or more in order to pass the course and progress in the program.

- Grades will not be rounded up.
- A final grade of less than 75.00% is not passing in any Health Science Program, and does not meet progress requirements.
- 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.
  - 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.
  - Messages sent by other students are unacceptable.
- The student is responsible for notifying the instructor for the reason of the absence.
- Make up quizzes and/or examinations **may be offered, at the instructor’s discretion, during the final examination period**.
- Additional options for makeup testing include reweighting the final examination. It is the responsibility of the student to contact the appropriate instructor to arrange to make up the examination. The instructor will decide the method of examination.
- Grades are posted within one week of administration of tests and examinations.
- Students with concerns or questions regarding grades awarded for a graded activity should contact the course faculty within one week of the grade being posted.
- It is the student’s responsibility to turn in assignments by the scheduled due date to earn full credit for the assignment. **Late assignments will be subject to grade reduction.**

CLASS INFORMATION

<table>
<thead>
<tr>
<th>COURSE COORDINATOR: Dr. Vicki Daniel, MS, DPT</th>
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</thead>
<tbody>
<tr>
<td>OFFICE LOCATION: 4/113</td>
</tr>
<tr>
<td>PHONE NUMBER: 843-525-8267</td>
</tr>
<tr>
<td>OFFICE HOURS: As posted, by appointment</td>
</tr>
<tr>
<td>E-MAIL: <a href="mailto:vdanield@tcl.edu">vdanield@tcl.edu</a></td>
</tr>
</tbody>
</table>
FACULTY

Faculty will respond to student inquiries within 3 business days.

ADDITIONAL RESOURCES:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Student services: <a href="https://www.tcl.edu/student-services/">https://www.tcl.edu/student-services/</a></td>
</tr>
<tr>
<td>Health Sciences Division Handbook (see Other Resources): <a href="https://www.tcl.edu/programs/physical-therapist-assistant-associate-of-applied-science/">https://www.tcl.edu/programs/physical-therapist-assistant-associate-of-applied-science/</a></td>
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<td>PTA Student Handbook (see Other Resources): <a href="https://www.tcl.edu/programs/physical-therapist-assistant-associate-of-applied-science/">https://www.tcl.edu/programs/physical-therapist-assistant-associate-of-applied-science/</a></td>
</tr>
<tr>
<td>Tutoring Services: <a href="https://www.tcl.edu/student-services/tutoring/">https://www.tcl.edu/student-services/tutoring/</a></td>
</tr>
<tr>
<td>Library and Learning Resources Center: <a href="https://www.tcl.edu/library/">https://www.tcl.edu/library/</a></td>
</tr>
<tr>
<td>APA citation guide: <a href="http://libguides.tcl.edu/citationhelp">http://libguides.tcl.edu/citationhelp</a></td>
</tr>
<tr>
<td>Online paper review: <a href="http://libguides.tcl.edu/paper">http://libguides.tcl.edu/paper</a></td>
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<tr>
<td>Office of Retention: <a href="https://www.tcl.edu/student-services/retention/">https://www.tcl.edu/student-services/retention/</a></td>
</tr>
</tbody>
</table>

ATTACHMENTS

1. Course Syllabus and /or Addendum Acknowledgement
2. Course calendar: to be posted to Black Board
3. Class assignments and due dates: to be posted to Black Board
4. Skills checklist: to be posted to Black Board
I ________________________________, understand it is my responsibility to read the Fall 2017 Syllabus for PTH 115 – Pathology for PTA. Students should read the Syllabus and/or Addendums and make notes of any questions they may wish to ask. This will allow the students to have a better understanding of the expectation of class, program, and its faculty. Students are always notified when updates have been made as they will be asked to sign additional Acknowledgement Sheets.

Students will be required to print a copy of the entire Syllabus and/or Addendum to be included in their clinical education notebook.

Students will be expected to sign this statement indicating they have read and understand the PTH 115 – Pathology for PTA Syllabus and/or Addendum.