

**Clinical Procedures II  
COURSE SYLLABUS  
FALL 2016**

**PHTA 2343, Clinical Procedures II**

**Call Number:** 14769 (101)  
14770 (102)  
14771 (103)

Melanie Heffington, PT, DPT  
Office Number: NW Clinic 109  
Office Phone: 918-595-3423  
Office Hours: M 11– 3; W 10– 3; F 10-11

Email: [Melanie.heffington@tulsacc.edu](mailto:Melanie.heffington@tulsacc.edu)

LECTURE: Monday 9:00 – 10:50

LAB: Tuesday 9:00 – 11:50

LAB: Thursday 9:00 – 11:50

<b><u>TO CONTACT THE DIVISION OFFICE:</u></b> Division: Allied Health Division Dean of Health Sciences: Midge Elliott, RN, MA, MS, JD Office: MC 605, Academic Building Phone Number: 918-595-8920; 918-595- 7002	<b><u>TO CONTACT ACADEMIC &amp; CAMPUS SERVICES:</u></b> Director: George Black Office: MC 1008 Phone: 918-595-7154
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**CATALOG DESCRIPTION AND COURSE PREREQUISITES:**

Theory, physiology, and application of heat, cold, light, water, electricity, and mechanical compression/distraction in therapeutic treatment of tissues. Overview of medical physics.

Prerequisites: All previous PTA coursework with a grade of “C” or better or instructor approval.

3.000 Credit hours

2.000 Lecture hours

3.000 Lab hours

**TEXTBOOK, SUPPLIES, AND OTHER RESOURCES:**

Behrens B, Beinert H: Physical Agents Theory and Practice 3rd Ed. FA Davis Co, Philadelphia, PA. 2014.

Lab clothes required - Shorts, T-Shirt

Electrodes from PTA kit

## **COURSE OBJECTIVES OR STUDENT LEARNING OUTCOMES:**

Upon completion of this course, with 70% accuracy as measured by the instructor- prepared tests, lab practicals and skill checkouts, the student will:

1. Define acute and chronic pain, theories of pain and administer pain assessment tools.
2. Recognize activities, movements, and postures that aggravate or alleviate pain.
3. Understand the concepts of diathermy, light and cold laser as possible physical therapy interventions.
4. Apply the following modalities in a safe and effective manner:
  - a. Hot pack, cold pack
  - b. Hydrotherapy
  - c. Traction, Intermittent compression
  - d. Shortwave, thermal, and non-thermal ultrasound
  - e. TENS, Biofeedback, HVGS, neuromuscular electrical stimulation, low volt DC
5. Describe the principles, theories, indications, contraindications, precautions, and compare and contrast the physiological effects of each physical therapy modality listed above.
6. Recognize when a modality is no longer appropriate or should be adjusted due to a change in the patient's condition.
7. Explain the normal physiological responses to the above modalities and assess treatment outcomes.
8. Document specific treatment parameters, applications, and treatment responses.
9. Given an open wound, the student will:
  - a. demonstrate appropriate wound data collection such as length, width, volume, etc.
  - b. recognize viable vs nonviable tissue
  - c. describe key concepts in the three stages of wound healing
  - d. discuss appropriate modalities to enhance wound repair
  - e. recognize changes in sensation of the surrounding tissue due to the wound
  - f. distinguish between selective and non-selective debridement techniques
  - g. give the rationale for the use of specific dressings and topical agents
10. Demonstrate the ability to measure girth and volume of an extremity.
11. Communicates effectively with the patient-simulator during lab practicals.
12. Reports any changes in patient-simulator's status to the instructor during practical.
14. Identify and integrate appropriate evidence based resources to support clinical decision making as it applies to modalities for progression of the patient within the plan of care established by the physical therapist.
15. Conduct one's self in a responsible, well-organized and professional manner in keeping with the list of generic abilities as presented in the PTA Student Handbook.

### **TEACHING METHODS:**

The teaching methods consist of lectures, labs, videos, group discussions, and supervised simulated clinical experiences. Students are responsible for all material presented/demonstrated/assigned in class and lab, assigned readings, including library reserve materials. Students may also be required to attend class off campus at other clinics.

### **EVALUATION TECHNIQUES:**

1. Lecture Exams - Three-100 point written tests will be given throughout the semester, the last one will be given during finals weeks and will be comprehensive.
2. Skill Checkouts - Checkouts for each modality must be completed by the academic instructor. Skill checkouts are a measure of competency for clinical practice. **Therefore, failure to complete every skill checkout covered in this class, within two attempts will result in a failing grade in this course.** The Clinical Skills Notebook must be brought to checkouts. Skills to be checked off in this course include: #14, #15, #19, #20; #21, #22
3. Lab Practicals - There will be 2 lab practicals scheduled during the year, each totaling 35 points. The purpose is to simulate patient interaction and give the student an opportunity to use 2 or more basic skills taught in this course. Students not receiving a satisfactory grade (70%) on a practical will repeat the practical one time. A 25% point reduction will occur on the 2nd practical exam. **Failure to pass the practical in 2 attempts will result in a failing grade for the course.**
4. Written assignment – There will be 1 written assignment worth 30 points. A rubric will be provided and posted to Blackboard.

### **COURSE POINTS**

<b>Exams, 3</b>	<b>300</b>
<b>Lab practicals, 2</b>	<b>70</b>
<b>Written assignment, 1</b>	<b>30</b>
<b>TOTAL</b>	<b>400</b>

### **GRADING SYSTEM:**

The final course grade will be determined by figuring the percentage of total points earned to total points possible, according to the following scale:

90- 100% = A

80 - 89% = B

70- 79% = C

60 - 69% = D A "C" is the lowest acceptable grade in PTA courses.

**ATTENDANCE POLICY:**

Regular attendance in class and laboratory sessions is considered good professional behavior. Roll will not be taken. However, students should be advised that excessive absence will likely affect performance.

**LATE ASSIGNMENTS AND MAKE-UP TEST POLICY:**

Written assignments are due on their due date at the start of lecture. NO late written assignments will be allowed. Lecture tests, lab practicals, and skill checkouts may be made up if the absence is discussed with the instructor and scheduled in advance. Make-up tests, practicals, and checkouts may be more difficult than regularly scheduled assessments.

**COURSE WITHDRAWAL:** The deadline to withdraw from a course shall not exceed 3/4 the duration of any class. Contact the Counseling Office at any TCC campus to initiate withdrawal from a course ('W' grade) or to change from Credit to Audit. Check the TCC Academic Calendar for deadlines. Students who stop participating in the course and fail to withdraw may receive a course grade of "F," which may have financial aid consequences for the student.

**COMMUNICATIONS:**

**Email:** All TCC students receive a designated TCC email address (ex: jane.doe@tulsacc.edu). All communications to you about TCC and course assignments will be sent to your TCC email address; and you must use TCC email to send email to, and receive email from, the instructor regarding this course.

**Inclement Weather:** If extreme weather conditions or emergency situations arise, TCC gives cancellation notices to radio and television stations. This information is also posted on the TCC website ([www.tulsacc.edu](http://www.tulsacc.edu)) and sent via TCC Emergency Alerts. Register to receive TCC Alerts from the MyTCC home page (<https://tcc.bbcportal.com/>).

**CLASSROOM ETIQUETTE:** Open and mutually respectful communication of varied opinions, beliefs, and perspectives during classroom or online discussion encourages the free exchange of ideas that is essential to higher learning and to the ability to learn from each other. Use of any electronic device is at the discretion of the instructor.

**TOBACCO FREE COLLEGE:** Tulsa Community College is a Tobacco Free college in accordance with the Governor's Executive Order 2012-01 and Title 63 of the Oklahoma Statutes, Section 1-1523 which prohibits smoking or the use of any tobacco products in all public places,

in any indoor workplace, and all vehicles owned by the State of Oklahoma and all of its agencies and instrumentalities. This Order includes property leased, rented, or owned by TCC including, but not limited to, all grounds, buildings, facilities, and parking lots. Tulsa Community College's policy includes a tobacco free environment on all campus and off-campus locations conducting TCC credit or non-credit classes. The TCC Campus Police is responsible for ensuring compliance with the Tobacco-Free Environment Policy. Violations of the policy may be addressed through issuance of campus or state citations.

**SYLLABUS CHANGES:** Occasionally, changes to the syllabus may be necessary. Students will be notified of any changes to the syllabus in writing.

**DISABILITY RESOURCES:** It is the policy and practice of Tulsa Community College to create inclusive learning environments. Accommodations for qualifying students in compliance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act are available. To request accommodations, contact the Education Access Center (EAC) at [eac@tulsacc.edu](mailto:eac@tulsacc.edu) or call (918) 595-7115 (Voice). Deaf and hard of hearing students may text (918) 809-1864.

**ACADEMIC DISHONESTY:** Academic dishonesty (cheating) is defined as the deception of others about one's own work or about the work of another. Academic dishonesty or misconduct is not condoned or tolerated at campuses within the Tulsa Community College system. Tulsa Community College adopts a policy delegating certain forms of authority for disciplinary action to the faculty. Such disciplinary actions delegated to the faculty include, but are not limited to, the dismissal of disrespectful or disorderly students from classes. In the case of academic dishonesty a faculty member may:

- Require the student to redo an assignment or test, or require the student to complete a substitute assignment or test;
- Record a "zero" for the assignment or test in question;
- Recommend to the student that the student withdraw from the class, or administratively withdraw the student from the class;
- Record a grade of "F" for the student at the end of the semester.

Faculty may request that disciplinary action be taken against a student at the administrative level by submitting such a request to the Dean of Student Services.

**Course Drop or Withdrawal:** A student who has been found responsible for academic dishonesty in a course may not drop or withdraw from the course without faculty approval. If the student processes a drop or withdrawal from the course, the action will be reversed and the appropriate grade will be recorded on the student's transcript.

**INSTITUTIONAL STATEMENT:** Each student is responsible for being aware of the information contained in the TCC Catalog, the TCC Student Policies & Resources Handbook, and semester information listed in the class schedule. All information may be viewed on the TCC website: [www.tulsacc.edu](http://www.tulsacc.edu)

**STANDARDS FOR STUDENT CONDUCT:**

The Physical Therapist Assistant Program faculty has determined that professional abilities are equally important to the overall student's success as the mastery of knowledge and skills in the area of physical therapy. Professional abilities are attributes and behaviors that are not necessarily inherent to any profession's core of knowledge but are required for success in the classroom, clinical and workplace. The professional abilities determined to be "generic" to the field of physical therapy are: commitment to learning, interpersonal skills, communication skills, effective use of time and resources, use of constructive feedback, problem solving, professionalism, responsibility, critical thinking and stress management. Students failing to demonstrate application and generalization of these professional behaviors by the conclusion of this course will result in a failing grade, regardless of the student's academic performance in the course.

## Tentative Schedule

The instructor may change the assignment schedule at any time by verbal or written notification.

AUG 22	LECTURE	Review Syllabus; Pain, Inflammation, Tissue Repair Chapter 2
	LAB	Review of anatomical landmarks and surface anatomy Pain Assessment Tools, Patient Interview Techniques
AUG 29	LECTURE	Evidence Based Practice, Hydrotherapy, Wound Management Chapters 1, 3, and 6
	LAB	Hydrotherapy, Wound Assessment and Data Collection
SEPT 5	LECTURE	LABOR DAY HOLIDAY
	LAB	Hydrotherapy checkouts
SEPT 12	LECTURE	Heat/Cold; Ultrasound; Diathermy, UV, and Laser Chapters 4 5 10
	LAB	Ultrasound
SEPT 19	LECTURE	<b>Examination #1</b>
	LAB	Ultrasound checkouts
SEPT 26	LECTURE	Electrical Stimulation Chapters 11 - 16
	LAB	Electrical Stimulation (BRING ELECTRODES)
OCT 3	LECTURE	<b>Writing assignment DUE</b> ; Electrical Stimulation
	LAB	Electrical Stimulation
OCT 10	LECTURE	Electrical Stimulation

	LAB	Electrical Stimulation
OCT 17	LECTURE LAB	Electrical Stimulation <b>Lab practical #1 begins;</b> Electrical Stimulation
OCT 24	LECTURE LAB	<b>Examination #2</b> <b>Continue Lab practical #1</b>
OCT 31	LECTURE LAB	Traction Chapter 7 Cervical and Lumbar Traction
NOV 7	LECTURE LAB	Compression and Edema Management Chapter 8 Intermittent Compression and mechanical traction
NOV 14	LECTURE LAB	Biofeedback and Clinical Decision Making Chapter 17 Biofeedback and <b>LAB PRACTICAL #2</b>
NOV 21 – NOV 23		<b>Examination #3 Comprehensive Final</b> <b>Double check Skills notebook that instructor has checked skills</b> <b>#14, #15, #19, #20, #21, #22</b>
	LAB	Conclude lab practicals
<b>November 28-December 9</b>		<b>Clinical Practice II</b>



