

Therapeutic Modalities Integ

PTA2200 301

Course Description

Students learn the theory of physical agents and mechanical modalities and integumentary disorders.

Prereq: Admission to the program

Coreq: PTA 2210

Semester: Fall

Course Student Learning Outcomes

- Identify indications, contraindications, precautions, safety considerations, goals and expected outcomes for patients in physical therapy documentation including the initial examination and plan of care.
- Describe the use of the ICF to describe patient's/client's impairments, activity, and participation limitations.
- Explain principles of therapeutic massage.
- Describe the application and adjustment of supportive devices, such as compression garments and elastic wraps.
- Describe integumentary protection including recognize interruptions in integumentary integrity, repositioning, patient education, edema management and wound management (application and removal of dressing or agents, and identification of precautions for dressing removal).
- Describe the therapeutic use of electrotherapeutic modalities, such as eletrotherapeutic delivery of medications, electrical muscle stimulation, electrical muscle stimulation for tissue repair, functional electrical stimulation, high-voltage

pulsed current, neuromuscular electrical stimulation and transcutaneous electrical nerve stimulation.

- Describe the therapeutic use of biofeedback.
- Describe the therapeutic use of physical agents including cryotherapy (cold pack, ice massage, vapocoolant spray, hydrotherapy), ultrasound, superficial and deep thermotherapy (diathermy, dry heat, hot packs, paraffin baths, hydrotherapy).
- Describe the therapeutic use of light therapy.
- Describe the therapeutic use of mechanical modalities including compression therapies, mechanical motion devices, and traction devices.
- Describe how to determine the patient's response to an intervention including interviewing the patient and accurately interpreting verbal and nonverbal responses, identifying secondary effects or complications caused by the intervention, and determining the outcome of intervention (positive or negative), through data collection and functional measures.
- Explain the importance of modifying interventions to improve patient response.
- Describe how to determine modifications that can be made to the intervention within the plan of care.
- Discuss the importance of communicating with the physical therapist when modifications are outside the scope of work or personal scope of work of the PTA.
- Express how to select and implement a modification and determine the patient's outcomes from the modification.
- Delineate the importance of reporting any changes in patient/client status or progress to the supervising PT.
- Describe how to contribute to the discontinuation of episode of care planning and follow-up processes as directed by the supervising physical therapist.
- Delineate the components of the communication of pertinent information including identifying changes in patient responses due to an intervention, describing adjustments to an intervention within the plan of care, and describing responses to a change in the intervention.
- Describe the determination of integumentary integrity including: identifying activities, positioning, and postures that may produce, aggravate or relieve pain or altered sensations, or that can produce associated trauma to the skin; identifying

devices and equipment that produce or relieve trauma to the skin; observing and describing skin characteristics, normal and abnormal changes (blistering, continuity of skin color, dermatitis, hair growth, mobility, nail growth, sensation, temperature, texture turgor); observing and describing changes in skin integrity, such as presence of wound, blister, incision, hematoma; testing for skin sensation and describing absent or altered sensation; and recognizing viable versus nonviable tissue.

- Discuss the characteristics and common disorders of the integumentary system and possible physical therapy interventions.
- Analyze the components of a clinical assessment.
- Complete accurate documentation that follows guidelines and specific documentation formats required by state practice acts, the practice setting, and other regulatory agencies.

College Wide Student Learning Outcomes

- Acquire substantive knowledge
- Communicate effectively
- Develop quantitative literacies
- Think critically
- Express creatively
- Knowledge and skills to be civically engaged
- Work with others in a professional and constructive manner
- Develop information literacy
- Develop computer literacy

Course Prerequisites

Successful completion of prior semester courses, per established curriculum plan, with a grade of “C” or better. Co-requisite PTA 2210.

Communication Plan

Email/Teams/Canvas/Phone response in 48 hours (business days)

I will offer feedback on major assignments within one week or upon request

The best way to contact me is in person or phone, Teams, Canvas, email

Keys for Success (how to succeed in the course)

STUDENT RESPONSIBILITIES

Students should expect to spend a minimum of 30 hours in-class and 45+ hours in concentrated study during the semester. If the student is having difficulty in the course, it is the student's responsibility to talk with the Instructor. Students should identify their learning needs associated with the course content.

PROFESSIONALISM

As a student and a participant in direct patient care activities associated with the PTA Program, you will be held to a high standard of professionalism. Professional behavior includes attendance, timeliness, active participation, and respect for the instructor and fellow students, appropriate communication, and a commitment to learning. Please review the Physical Therapist Assistant Program Handbook for more specific expectations. Note that ten points will be deducted for each unexcused absence (Covid or symptoms of Covid will be excused automatically) with five points deducted for each time that the student is more than ten minutes late to class. To pass the course, the student must earn at least one point in professionalism.

Instructors use The **Professional Behaviors Assessment tool** as a guideline for expected behavior in the academic and clinical setting in this course. The student must complete an interview and submit to the instructor a completed Professional Behaviors self-assessment form by the due date on Canvas.

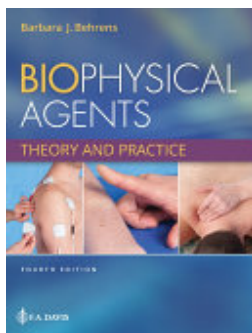
COURSE DELIVERY

Media presentation, online resources, discussion, case studies, interactive group activities with supervision and guidance of the instructor, reading, and skill practice activities will be used in presenting course content. It is essential that you prepare for this course by studying the content prior to coming to class. You are required to contribute to discussions and participate in the development of understanding in the classroom-learning environment.

ADDITIONAL KEYS FOR SUCCESS

- 1) All lectures, readings, videos, assignments, discussions....everything...for each week will be under one module labelled with the content and the date of instruction.
- 2) I will use announcements to remind about assignments in the module and to change/modify any plans class time/location changes, so keep close eye on announcements.
- 3) ****To get the most out of this course please try to do the pre-instructional work which will include videos, reading assignments, quizzes, worksheets and online discussions.**

Required Text or Materials



Title: Biophysical Agents
ISBN: 978-0-8036-7667-1
Authors: Barbara J. Behrens
Publisher: F.A. Davis
Publication Date: 2020-09-29



Title: Physio U (evidence-based rehabilitation software) is REQUIRED for this course
Subtitle: Students will access this material by paying for a 12-month membership (or a 2 year membership). This software is particularly useful not only in the classroom setting; but also during the clinical internships and post-graduation



Title: Visible Body Courseware is REQUIRED for this course

Title: The college has provided access to multiple cloud-based software applications that will be used throughout the curriculum. These include EHR Go (Documentation and case study software), Medbridge (educational webinars and home exercise/patient education software), Exxat (Student compliance and clinical site management system)

For more information on textbook accessibility, contact Accessibility & Disability Services at [REDACTED]

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	PICO Presentation Fall 2024	Discussion	0
9/1	EHR Go ICF Worksheet (Open book, Use Canvas and EHR Go)	Quiz	20
9/15	First SOAP Note Assignment	Assignment	25
9/30	PTA 2200 MIDTERM I	Quiz	50
10/6	PNF DISCUSSION (REQUIRED) and PNF EXTRA CREDIT (aka Taylor Swift assignment revised :)	Discussion	10
11/1	PTA 2200 Midterm 2	Quiz	60
11/10	NMES reading quiz	Quiz	10

Due Date	Assignment Name	Assignment Type	Points
11/17	PICO Presentation	Assignment	50
11/24	Capstone Assignment	Quiz	10
11/24	CLASS REVIEW	Discussion	15
11/24	Professionalism	Assignment	50
11/27	EXTRA CREDIT FALL 2024	Quiz	0
11/27	PTA 2200 Final - Testing Center - With one 3 X 5 index card of notes	Quiz	103
12/8	PICO ePortfolio Reflection	Assignment	25

Brief Description of Assignments/Exams

A description of the assignments, the due date, and the scoring rubric is in the assignments tab on the course Canvas site. **Late work will only be accepted for 48 hours after the deadline** and will receive an automatic 50% deduction in points. The exception will be if the deadline was extended from an agreement with the Instructor due to unforeseen circumstances.

Examinations assess your knowledge to understand, execute, and analyze the concepts presented and developed during the class discussions, reading of the textbook, and resource materials. The unit objectives will relate to the exam/quiz questions. The exam/quiz questions will include fill in the blank, multiple choice, true/false, case studies, short answer or matching questions.

Grading Scale

FINAL GRADE

The instructor will calculate all individual quizzes and exams without rounding. Scores will be carried two decimal points. Students must receive 77.00% on all exams and quizzes. Failure to achieve 77.00% on all exams and/or earning less than one point in Professionalism, despite a higher composite score for the course, will result in course failure and dismissal from the Program. The instructor will calculate scores on other class projects and assignments into the course grade, after the exam/quiz scores are calculated. Please see Program Handbook for additional information. In addition, to receive credit/recognition for this course as part of the SLCC Physical Therapist Assistant Program, the students must earn an accumulative 77.00% for all assessments as noted under Student Performance Evaluation. SLCC uses the following grade scale for this course:

A 95-100% B 86-88% C 77-79% D 68-70%

A- 92-94% B- 83-85% C- 74-76% D- 65-67%

B+ 89-91% C+ 80-82% D+ 71-73% E 64% and below

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

You can access the document by clicking on the following link:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or

want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, please visit the Institutional Syllabus under the Tutoring and Learning Support tab: <https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, please visit the Institutional Syllabus under the Advising and Counseling Support Services tab: <https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)

ePORTFOLIO REQUIREMENT

Each student in PTA courses at SLCC will maintain an ePortfolio page. Instructors in every PTA course will require you to put at least one signature assignment from the course into your ePortfolio. A signature assignment is an example of your application of knowledge gained in the course accompanied by reflective writing. Use the signature assignment from this course. Next, write a reflection using the rubric provided on canvas. Submit your reflection on canvas by the due date. Include a link to your eportfolio site on the canvas submission