

## Syllabus Spring Semester 2024

PTA 2510 Section 301

3.0 Credit Hours

Course Fee: None



### **COURSE DESCRIPTION**

Lecture course content presents systems anatomy, pathophysiology, and patient treatment approaches for cardiac disorders, respiratory disorders, amputations, burns, and pediatric disorders. The spectrum of patient management skills implemented in intensive care, acute care, hospice care, and inpatient rehabilitation settings are also presented and discussed.

### **COURSE PREREQUISITES**

Successful completion of all Fall semester PTA Program courses with a C grade (77%) or better.

### **COURSE COREQUISITES**

Enrollment in PTA 2520 Therapeutic Interventions for Special Disorders (2 credit hours).

### **TEXTBOOKS AND INSTRUCTIONAL RESOURCES**

O'sullivan S, Schmitz T. & Fulk G. *Physical Rehabilitation*. 7th Edition. F.A. Davis Company, 2019.

All other required reading, instructional videos, and evidence-based articles are found in Canvas modules for each topic discussed in this course. Other optional instructional support includes Medbridge® and PhysioU® learning apps.

### **STUDENT LEARNING COMMITMENT**

All students should expect to spend a minimum of 45 hours engaged in course discussion and lecture time and 60+ hours in concentrated out-of-class study during the semester. If you are having difficulty in the course, you are expected to schedule an appointment to talk with the Course Instructor. You are encouraged to reflect on and clearly identify your areas of improvement and/other learning needs associated with course content early in the semester.

### **COLLEGE-WIDE UNIFIED LEARNING OUTCOMES (SLO)**

Salt Lake Community College (SLCC) has defined learning outcomes as essential capacities that all students should possess regardless of academic major or career plans. These outcomes guide the development of your learning plans in the PTA Program and beyond:

1. Acquire substantive knowledge.
2. Communicate effectively.
3. Develop quantitative literacies.
4. Think critically and creatively.
5. Develop civic literacy and become a community engaged learner.
6. Work in a professional and constructive manner.
7. Develop computer and information literacy.
8. Develop lifelong wellness.

### **COURSE STUDENT LEARNING OUTCOMES**

Upon completion of this course, students will meet both Commission on Accreditation in Physical Therapy Education (CAPTE) and Salt Lake Community College standards of content mastery. Listed after each numbered outcome below is the respective CAPTE and SLCC learning outcome associated with the instructional content.

1. Verbalize the function of anatomical and physiological systems in normal pulmonary ventilation and respiration activity. (Assessed by written examination with rubric). (7D24n) (SLO1)
2. List and interpret data collection techniques used to determine the status of pulmonary function including lung sounds auscultation, determination of respiratory rate and depth, and identification of pertinent basic lung volumes/capacities data. (Assessed by written examination with rubric). (7D24a) (SLO1)
3. Identify and describe selected pathophysiological diagnoses seen in patients with pulmonary ventilatory and respiratory disorders. (Assessed by written examination with rubric). (7D24n) (SLO1)
4. Identify and discuss selected physical therapy interventions for the management of common pulmonary ventilation and respiration disorders (postural drainage, percussion/vibration, airway clearance techniques, breathing retraining) and implementation of post-surgical rehabilitation protocols. (Assessed by written examination with rubric). (7D23a) (SLO1)
5. Verbalize the function of anatomical and physiological systems in normal cardiovascular activity. (Assessed by written examination with rubric). (7B) (SLO1)
6. List and interpret data collection techniques used to determine the status of cardiac function including heart auscultation, blood pressure measurement, arterial pulse palpation, and identification of pertinent basic EKG data. (Assessed by written examination with rubric). (7D24a)
7. Identify and describe selected pathophysiological diagnoses seen in patients with cardiac disorders. (Assessed by written examination with rubric). (7B)
8. Identify and discuss selected physical therapy interventions for the management of common cardiac disorders and implementation of post-surgical rehabilitation protocols (sternal precautions, early mobilization). (Assessed by written examination with rubric).
9. Identify and discuss the etiology and classification of cutaneous burns. (Assessed by written examination with rubric). (7B)
10. Identify and discuss selected physical therapy interventions for the management of the patient with burns (wound care, dressing changes, hydrotherapy for debridement). (Assessed by written examination with rubric). (7D23i)
11. Identify and discuss communication strategies for addressing psychological and emotional patient responses encountered in the burn unit (fear of movement, pain, anger, resistance to care). (Assessed by written examination with rubric). (7D8)

### **COURSE STUDENT LEARNING OUTCOMES (continued)**

12. Identify and discuss the predisposing and causative factors for surgical limb removal (amputation). (Assessed by written examination with rubric).
13. Describe and discuss the immediate post-surgical care approaches for the transfemoral and transtibial residual limb (wound care, dressing changes, sensory desensitization, positioning). (Assessed by written examination with rubric).
14. Analyze and discuss selected treatment approaches for the defined phases of rehabilitation (residual limb wrapping, edema management, pain management, pre-prosthetic training, and prosthetic gait training). (Assessed by written examination with rubric). (7D23b)
15. Identify (by observation) and analyze common prosthetic gait deviations and identify/implement strategies for correction. (Assessed by written examination with rubric). (7D24e)
16. List and discuss bed mobility, assisted transfer, and ambulation strategies for the intensive care patient (managing lines/tubes, use of mechanical lifts, appropriate use of ambulatory assistive devices). (Assessed by written examination with rubric). (
17. Demonstrate correct patient care documentation for the intensive care patient including using language that is accurate, complete, and consistent with institutional, legal, and billing requirements; using appropriate grammar, syntax, and punctuation in communication; using appropriate terminology and institutionally approved abbreviations; using an organized and logical framework to document care; and identifying and communicating with the physical therapist when further documentation is required. (Assessed by case study examination with rubric). (7D25)
18. Verbalize standard safety practices to implement during interventions for all patient populations discussed in this course. (7D27) (

### **PROFESSIONALISM**

Professional behavior is an essential element in creating a safe and supportive learning environment at the College and lays the foundation for successful development as a physical therapy clinician. The following specific behavioral standards are evaluated to determine the professionalism grade associated with this course:

- Consistent Attendance (30 points). Students are expected to attend each scheduled lecture, discussion group, and study session. If a student arrives more than 15 minutes late to class, five (5) points will be deducted per occurrence. Unexcused absences will result in a ten (10) point deduction per occurrence. An absence may be excused by notifying the Instructor by phone message or e-mail prior to the beginning of a class period. Please try to schedule essential health appointments (physician, therapist, counselor, dentist, etc.) that do not conflict with published class times.
- Active Participation (10 points). During each class period, multiple opportunities will be provided to ask/answer questions, participate in structured active learning experiences, or to serve as a model for demonstration of various clinical techniques (including palpation). Students show engagement with the course content, with the Instructor, and with fellow students by including themselves in these activities. Unrelated use of cell phones, social media platforms, or computers during classroom learning experiences will result in the loss of five (5) points per occurrence.
- Respectful Interactions (10 points). The *SLCC Code of Student Rights and Responsibilities* states: “Salt Lake Community College is committed to maintaining the campus community as a place of work and study free from abuse, intimidation and harassment, where everyone is treated with respect, dignity, and courtesy. Conduct which disrupts, interferes with the safety of others, adversely affects, or otherwise interferes with the lawful functions of the College, or the rights of an individual to pursue an education at the College may be subject to College discipline.” Failure to adhere to this guideline will result in the deduction of ten (10) points per occurrence and possible disciplinary action imposed by the School of Health Sciences or the College.

### **CODE OF STUDENT RIGHTS AND RESPONSIBILITIES**

The reputation of the College and the College community depends in large part upon the behavior and academic achievement of its students. Students enrolled at the college are expected to conduct themselves in a mature, dignified, and honorable manner.

While enrolled at the College, students are subject to College jurisdiction. The College reserves the right to take disciplinary action against any student whose conduct, in the opinion of College representatives, is not in the best interests of the student, other students, or the College. Students who are disciplined should expect to find their sanctions enforced at all Salt Lake Community College campuses. All students are expected to abide by the College rules of conduct found here:

<http://www.slcc.edu/policies/docs/8.1.050---code-of-student-rights-and-responsibilities.pdf>

Any violation, by the Instructor's interpretation, of the terms of this published document may result in disciplinary action by the PTA Program and/or the School of Health Sciences.

### **COMMUNICATING WITH THE INSTRUCTOR**

There are several ways for you to communicate with the Instructor for this course.

If you have questions or concerns regarding the course content, technology used in the course, or any other curriculum-related concerns you are encouraged to personally meet with or phone the Instructor during the published office hours found at the beginning of this syllabus.

You may also email the Instructor through the Canvas course site inbox feature or through Bruinmail, which is the college's official means of communication with you. You're expected to check your Bruinmail account frequently, to read emails in a timely fashion, and to recognize and respond to time-sensitive communications. You can expect an Instructor's response to an email request within 48 hours Monday through Friday during the semester (excluding college-recognized holidays).

### **GRADING RUBRICS**

Please refer to the Grading Rubric attached to all required assignments posted in each module on the course Canvas site.

### **WRITTEN COMMUNICATION STANDARD**

Please ensure that all written communication (including assignments, presentations, and assessments) will be free from spelling, grammatical, and punctuation errors. You will be required to cite your source(s) of information, when appropriate, using American Psychological Association (APA) style. If you quote a source (such as copying and pasting information or minimally changing published information), you must cite/recognize the source in the same document. Understand that the use of ideas, facts, opinions, illustrative material, data, direct or indirect wording of another scholar and/or writer without giving proper credit is plagiarism. Plagiarism is not acceptable in this class or at SLCC and may result in disciplinary action by the PTA Program and/or the School of Health Sciences.

**LATE WORK**

Late work (assignments submitted by any means past the posted due date) can be submitted within 48 hours of the due date/time but will only receive partial credit. The final grade will be 50% of the on-time score. Example: If your on-time grade for a 10-point assignment would have been 8 points, your late grade will be 4 points. *If there are extenuating circumstances and you want extra time to turn in your work, you must contact me BEFORE the assignment is due.* Deadline extensions are at the discretion of the instructor. Work submitted after 48 hours past the due date will not receive credit.

**ePORTFOLIO REQUIREMENT**

It is a requirement in this course for you to add to your SLCC ePortfolio. Your ePortfolio will allow you to include your educational goals, describe your extracurricular activities, and post your resume. A signature assignment and instructions for reflective writing will be included as a separate module in the Canvas site for this course. When you finish your time at SLCC, your ePortfolio can be a useful multi-media showcase of your educational experience. For more detailed information visit:

<http://www.slcc.edu/eportfolio/remote.aspx>

Questions regarding the ePortfolio can be directed to [Emily.Dibble@slcc.edu](mailto:Emily.Dibble@slcc.edu) .

**ASSIGNMENT/EXAMINATION GRADING POLICY**

Your Instructor or the Canvas SpeedGrader™ will calculate all individual examinations and assignments without rounding. Scores will be carried two decimal points, and you must achieve an aggregate score of 77.00% or better on all examinations when final grades for the semester are calculated to continue in the Program. The Instructor will then calculate scores on other class projects and assignments into the course grade after all examination scores are calculated. SLCC PTA Program 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

**EVALUATION OF STUDENT PERFORMANCE**

Distribution of your final course grade will be as follows:

Category	Points
Professionalism	50
ePortfolio Signature Assignment	30
Canvas Discussions x 5 (10 points each)	50
Written Examinations x 5 (60 points each)	300
<b>TOTAL</b>	<b>430</b>