

Therapeutic Interventions for
Special Disorders

Syllabus
Spring Semester 2024
PTA 2520 Sections 301, 302
4.0 Credit Hours
Course Fee: None



COURSE DESCRIPTION

Students practice and demonstrate treatment protocols for patients with cardiac disorders, respiratory disorders, amputations, and burns. The spectrum of patient management skills implemented in intensive care, acute care, and inpatient rehabilitation settings are presented and practiced.

COURSE PREREQUISITES

Successful completion of prior semester courses per established curriculum plan with C grade (77%) or better.

COURSE COREQUISITES

PTA 2510 (Special Disorders and Populations) is a required corequisite for this course.

TEXTBOOKS AND INSTRUCTIONAL RESOURCES

Course content on Canvas learning management system

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 eight outcomes guide the development of your learning plans in the PTA Program and beyond:

1. Acquire substantive knowledge in your intended major
2. Communicate effectively
3. Develop quantitative literacies necessary for your chosen field of study
4. Think critically and creatively
5. Develop civic literacy and the capacity to be community-engaged learners who act in mutually beneficial ways with community partners
6. Develop the knowledge and skills to work with others in a professional and constructive manner
7. Develop computer and informational literacy

COURSE STUDENT LEARNING OUTCOMES

Upon completion of PTA 2520, students will meet the following standards of content mastery:

1. Verbalize the function of anatomical and physiological systems in normal cardiac activity and pulmonary ventilation/respiration. Assessment by written quiz. (rubric guided assessments). 7B, SLO1
2. Demonstrate 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. Assessment by skill check-offs and practical examinations (rubric guided assessments). 7C, 7D18, 7D24a, 7D24n, SLO1, SLO3
3. Demonstrate selected physical therapy exercise interventions/progressions for the management of common cardiac disorders and implementation of related post-surgical rehabilitation protocols (sternal precautions, early mobilization). Assessment by skill check-offs and practical examinations (rubric guided assessments). 7D23h, SLO1
4. Demonstrate 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. Assessment by skill check-offs and practical examinations (rubric guided assessments). 7C, 7D24n, SLO1, SLO3
5. Demonstrate selected physical therapy interventions for the management of common pulmonary disorders (postural drainage, percussion/vibration, airway clearance techniques, breathing retraining) and implementation of post-surgical rehabilitation protocols. Assessment by skill check-offs and practical examinations (rubric guided assessments). 7D23a, SLO1
6. Identify and discuss a)the etiology and classification of cutaneous burns; b)demonstrate selected physical therapy interventions for the management of the patient with burns; and discuss communication strategies for addressing psychological and emotional patient responses encountered in the burn unit (fear of movement, pain, anger, resistance to care). Assessment by skill check-offs and practical examinations (rubric guided assessments). 7D24f, 7D24j, SLO1
7. Demonstrate the immediate post-surgical care approaches for the transfemoral and transtibial residual limb (wound care, dressing changes, sensory desensitization, positioning), selected treatment approaches for the defined phases of rehabilitation (residual limb wrapping, edema management, pain management, pre-prosthetic training, and prosthetic gait training), identify (by observation) common prosthetic gait deviations and identify/implement strategies for correction. Assessment by skill check-offs and practical examinations (rubric guided assessments). 7D23b, 7D23h, 7D23i, SLO1
8. Demonstrate 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). Assessment by skill check-offs and practical examinations (rubric guided assessments). 7D21, 7D23b, 7D24e, SLO1
9. Demonstrate 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. Assessment by case study activities (rubric guided assessments). 7D7, 7D17, 7D18, SLO1, SLO2

STUDENT RESPONSIBILITIES

Students should expect to spend a minimum of 45 hours in-class and 45+ hours in concentrated out-of-class 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 early in the semester or term.

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.

STUDENT CODE OF CONDUCT

Students follow the document entitled Student Code of Rights and Responsibilities, found at http://www.slcc.edu/policies/docs/Student_Code_of_Conduct.pdf. Any deviation, by the Instructor's interpretation, from this published document may result in disciplinary action by the PTA Program or the School of Health Sciences.

COMMUNICATING WITH THE INSTRUCTOR

If there are questions or concerns, students are encouraged to personally meet with or phone the Instructor during the Instructor's published office hours. Students may also email the Instructor through the Canvas® course site. A student can expect a response to an e-mail request within 48 hours Monday through Friday.

ASSIGNMENTS

Each assignment has a specific due date as noted under Assignments in canvas, in the course outline, or as stated by the Instructor in class or in writing. Each assignment has a corresponding grading rubric, which can be found on the Canvas® course site. The highest grade possible for an assignment submitted late is 77%. All assignments submitted after 7 days from the due date receive a zero (0) score.

EXAMINATIONS

Examinations assess students' knowledge of concepts presented in the course; and the ability to apply the concepts presented and developed during the class discussions, textbook readings, and other resource materials. All skills will be assessed through practical examinations. Please refer to the Grading Rubrics for the assignments and activities in this course posted on the Canvas® course website.

WRITTEN COMMUNICATION STANDARD

All written communication including assignments and assessments will be free from spelling, grammatical, and punctuation errors. Students will cite their source of information, when appropriate, using American Psychological Association (APA) style. If the student quotes a source (such as copying and pasting information or minimally rewording the information), they 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 – professional or student- 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 or the School of Health Sciences.

ePORTFOLIO REQUIREMENT

Each student in this course is required to maintain an ePortfolio page. Each student will place at least one signature assignment from the course into their 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 listed in the Modules and/or Assignments section. Include a link to your ePortfolio site on the Canvas® submission.

FINAL GRADE

The instructor will calculate all individual quizzes and exams without rounding. Scores will be carried two decimal points. The instructor will calculate scores on other class projects and assignments into the course grade, after the exam/quiz 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 the course grade will be as follows:

Professionalism	50 points
Course attendance, active participation	<i>(30 points)</i>
Timely completion of all required assignments	<i>(10 points)</i>
Appropriate communication and respectful behavior	<i>(10 points)</i>
ePortfolio	30 points
Signature Assignment	<i>(30 points)</i>
Practical Skills Checks	150 points
Cardiorespiratory Skills Practical	<i>(50 points)</i>
Lower Extremity Residual Limb Wrapping	<i>(50 points)</i>
Intensive Care Patient Management	<i>(50 points)</i>
TOTAL	230 points
