

**SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
PHYSICAL THERAPIST ASSISTANT
Revision Date: 12/2025**

I. CATALOG DESCRIPTION

Course Number: PTAS 1304
Course Title: Advanced Conditions and Rehabilitation
Prerequisite(s): PTAS 1208, PTAS 1209, PTAS 1210, PTAS 1301

Catalog Description: Acquaints the student with more advanced rehabilitation techniques for complex patient diagnoses and specialty areas of physical therapy. The pathophysiology of cardiopulmonary, blood, integumentary, endocrine, gastrointestinal, urinary, and immune systems will be studied.

Credit Hours: 4
Class Hours: 45
Lab Hours: 45
Total Contact Hours: 90

II. COURSE OBJECTIVES: *Course will:*

1. Describe the pathophysiology of the cardiopulmonary, blood, immune, endocrine, gastrointestinal, urinary, and hepatic systems.
2. Summarize the clinical application of therapeutic interventions and data collection for health conditions of the cardiopulmonary, blood, immune, endocrine, gastrointestinal, urinary, and hepatic systems.
3. Explore safe management of medical equipment commonly encountered by physical therapist assistants in the acute care setting.
4. Explain the indications, levels, and complications for amputation and the role of the physical therapist assistant in prosthetic rehabilitation.
5. Advance skills in documentation.

Note: Unit objectives are located in the learning management system within each unit of study.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

1. Explain the pathophysiology and interrelationships of the cardiopulmonary, blood, immune, endocrine, gastrointestinal, urinary, and hepatic systems as they relate to physical therapy practice.
2. Analyze how multisystem conditions and comorbidities influence PTA data collection, treatment selection, and patient outcomes across the lifespan.
3. Apply safe and effective therapeutic interventions and data collection techniques for patients with system-specific and complex medical conditions under the direction of the physical therapist.
4. Demonstrate accurate and consistent documentation and billing practices for simulated patients with complex medical conditions.

5. Select and safely utilize appropriate equipment and assistive devices during treatment interventions in acute and complex care settings.
6. Apply safe and effective interventions to promote healing and function following an amputation.
7. Justify appropriate training strategies for prosthetic use.
8. Interpret standardized tests and measures and relate findings to patient function and plan of care goals.
9. Assess when interventions should be withheld, modified, or progressed within the established plan of care and scope of PTA practice.
10. Demonstrate professional conduct, communication, and cultural competence during simulated patient and interprofessional interactions.
11. Perform safe body mechanics, draping, and infection control procedures to ensure patient and clinician safety during interventions.
12. Value the collaborative role of the PTA within the healthcare team in managing complex patients and promoting functional recovery.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 3: Critical Thinking and Problem-Solving Skills

Outcome: Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

A. UNITS

1. Intro to Pathology Concepts
2. Blood Disorders
3. Fluid and Electrolytes Imbalances
4. Acid/Base Imbalances
5. Immune System and Infection
6. Endocrine System
7. Urinary, Gastrointestinal, and Hepatic Systems
8. Cardiovascular System
9. Pulmonary System
10. Acute Care
11. Complex Medical Care
12. Amputations
13. Prosthetics

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):

Goodman, Fuller, *Pathology for the Physical Therapist Assistant* (current edition)

B. Other Resources:

PhysioU App

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Laboratory
3. Demonstration

4. Handout Materials
5. Class Participation/Presentations
6. Case Studies and Group Work
7. Guest Presenters
8. Websites
9. Power Point slides and videos
10. Pretests and worksheets

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of assignments, quizzes, exam, projects, skill checkoffs, etc. For grading expectations please see the course information document.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

A. ATTENDANCE

Attendance is crucial to the success of this course. Any class missed could mean valuable missed information, which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late. Absences in excess of four hours may result in failing the course.

B. Must pass all program courses with a C+ to progress to the next term. Courses with a classroom and lab portion must have a C+ or better in both.

Please see course information document for course policies related to grading, expectations, assignments, assessments, and participation.