

# PT 646: ACUTE CARE AND CARDIOPULMONARY PHYSICAL THERAPY

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## In Workflow

1. PT Committee Chair (kbaxter@csus.edu)
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10. Registrar's Office (w lindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Thu, 12 Dec 2019 17:47:42 GMT  
Heide Katrin Mattern-Baxter (kbaxter): Approved for PT Committee Chair
2. Fri, 13 Dec 2019 19:26:58 GMT  
Heather Crummett (crummetth): Approved for PT Chair
3. Tue, 04 Feb 2020 23:24:00 GMT  
Kisun Nam (knam): Rollback to Initiator
4. Thu, 05 Mar 2020 21:27:46 GMT  
Heide Katrin Mattern-Baxter (kbaxter): Approved for PT Committee Chair
5. Thu, 05 Mar 2020 21:38:06 GMT  
Michael Mckeough (mckeough): Approved for PT Chair
6. Fri, 06 Mar 2020 19:14:59 GMT  
Kisun Nam (knam): Approved for HHS College Committee Chair
7. Fri, 06 Mar 2020 19:25:14 GMT  
Mary Maguire (maguirem): Approved for HHS Dean
8. Wed, 08 Apr 2020 18:32:19 GMT  
Janett Torset (torsetj): Approved for Academic Services

Date Submitted: Thu, 05 Mar 2020 18:35:08 GMT

**Viewing: PT 646 : Acute Care and Cardiopulmonary Physical Therapy**

**Last edit: Thu, 05 Mar 2020 18:35:06 GMT**

Changes proposed by: Heather Crummett (210174092)

### Contact(s):

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### Catalog Title:

Acute Care and Cardiopulmonary Physical Therapy

### Class Schedule Title:

Acute Care & Cardio Phy Thrpy

### Academic Group: (College)

HHS - Health & Human Services

### Academic Organization: (Department)

Physical Therapy

**Will this course be offered through the College of Continuing Education (CCE)?**

No

**Catalog Year Effective:**

Fall 2021 (2021/2022 Catalog)

**Subject Area: (prefix)**

PT - Physical Therapy

**Catalog Number: (course number)**

646

**Course ID: (For administrative use only.)**

160531

**Units:**

2

**In what term(s) will this course typically be offered?**

Fall, Spring

**Does this course require a room for its final exam?**

Yes, final exam requires a room

**Does this course replace an existing experimental course?**

No

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

The pre and co-requisites for all summer year 1 and fall year 2 courses in the program had to be changed because Geriatrics (PT 636) was moved from the summer to the fall semester.

**Course Description: (Not to exceed 80 words and language should conform to catalog copy.)**

This course focuses on the presentation of selected topics in acute care and cardiopulmonary Physical Therapy. The course includes a discussion of common pathologies in the cardiopulmonary system and those associated with an acute care setting, as well as common medical tests, laboratory tests, surgical procedures and pharmacological interventions used with this patient population.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Does this course require safety training?**

No

**Does this course require personal protective equipment (PPE)?**

No

**Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)**

Open to Physical Therapy majors only

**Does this course have prerequisites?**

Yes

**Prerequisite:**

BIO 633, PT 600, PT 602, PT 604, PT 606, PT 608, PT 614, PT 618, PT 620, PT 622, PT 630, PT 632, PT 634, and PT 638.

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

Yes

**Corequisite:**

PT 624, PT 625, PT 626, PT 636, PT 640.

**Corequisites Enforced at Registration?**

Yes

**Graded:**

Letter

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Lecture

**Lecture Classification**

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

**Lecture Units**

2

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

No

**Can the course be taken for credit more than once during the same term?**

No

**Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."**

All course objectives reference the overall educational goals and student learning outcomes of the Department of Physical Therapy. At the completion of this course, the student is expected to be able to:

Student Learning Outcome 1.0: Demonstrate professional effectiveness

1.1 Compare and contrast normal biological, physiological, and psychological mechanisms of the human body with pathophysiological factors that lead to impaired body functions and structure.

1.1.1 Discuss the etiology and clinical features of major disorders.

1.1.1.1 Describe the relationship between normal anatomy/physiology and pathology in the cardiovascular and pulmonary systems

1.1.1.2 Describe the relationship between normal anatomy/physiology and pathology due to oncology

1.1.1.3 Describe the relationship between normal anatomy/physiology and pathology in common conditions found in acute care settings

1.1.2 Describe how pathological processes affect normal function.

1.1.2.1 Describe how pathological processes affect normal function in the cardiopulmonary system

1.1.2.2 Describe how cancer affects normal function in the physiological systems of the body

1.1.2.3 Describe how pathological processes affect normal function in the common conditions found in acute care settings

1.1.3 Discuss common medical/surgical treatments for major disorders.

1.1.3.1 Discuss common medical/surgical treatments for the cardiopulmonary system

1.1.3.2 Discuss common medical/surgical treatments used in oncology.

1.1.3.3 Discuss common medical/surgical treatments for common conditions found in acute care settings

1.1.4 Analyze the effects of pharmacological agents on human function.

1.1.4.1 Analyze the effects on human function of pharmacological agents used to treat conditions within the cardiopulmonary system

1.1.4.2 Analyze the effects on human function of pharmacological agents used to treat oncology conditions.

1.1.4.3 Analyze the effects on human function of pharmacological agents used to treat common conditions in the acute care setting.

1.2 Determine the physical therapy needs of any individual seeking services.

1.2.1 Perform an effective and efficient systems review screen.

1.2.1.1 Perform an effective and efficient systems review screen for a patient with a cardiopulmonary disorder

1.2.1.2 Perform an effective and efficient systems review screen for a patient with a oncology disorder

1.2.1.3 Perform an effective and efficient systems review screen for a patient in an acute care setting

1.2.2 Review pertinent medical records and conduct a comprehensive patient interview.

- 1.2.2.1 Review pertinent medical records and conduct a comprehensive patient interview for a patient with a cardiopulmonary condition
  - 1.2.2.2 Review pertinent medical records and conduct a comprehensive patient interview for a patient with an oncology condition
  - 1.2.2.3 Review pertinent medical records and conduct a comprehensive patient interview for a patient in an acute care setting
  - 1.2.3 Carry out appropriate and comprehensive patient examinations including tests and measures in a safe and client-centered manner.
    - 1.2.3.1 Carry out appropriate and comprehensive patient examinations including tests and measures in a safe and client-centered manner for a patient with a cardiopulmonary condition
      - 1.2.3.1.1 Carry out appropriate and comprehensive patient examination including tests and measures to assess ventilation and respiration/gas exchange
      - 1.2.3.1.2 Carry out appropriate and comprehensive patient examination including tests and measures to assess the circulation [arterial, venous and lymphatic].
    - 1.2.3.2 Carry out appropriate and comprehensive patient examinations including tests and measures in a safe and client-centered manner for a patient with an oncology condition
    - 1.2.3.3 Carry out appropriate and comprehensive patient examinations including tests and measures in a safe and client-centered manner for a patient in an acute care setting
    - 1.2.3.4 Carry out appropriate and comprehensive patient examination including tests and measures to assess arousal, cognition and mental health.
  - 1.2.4 Determine, with each patient encounter, the patient's need for further examination or consultation.
  - 1.2.5 Perform a physical therapy patient examination using evidenced-based tests and measures.
  - 1.2.6 Utilize available evidence in interpreting examination findings to inform the patient evaluation.
  - 1.2.7 Evaluate data from the patient examination (history, systems review, tests and measures) to make clinical judgments.
  - 1.2.8 Synthesize available data on a patient using the concepts and terminology of the most recent disability/enableness theoretical construct (currently the International Classification of Functioning, Disability, and Health (ICF) Model of Functioning and Disability).
  - 1.2.9 Cite the evidence (patient history, diagnostic test results, tests, measures, and scientific literature) to support clinical decisions.
    - 1.2.9.1 Cite the evidence (patient history, diagnostic test results, tests, measures, and scientific literature) to support clinical decisions for patients with a cardiopulmonary condition.
    - 1.2.9.2 Cite the evidence (patient history, diagnostic test results, tests, measures, and scientific literature) to support clinical decisions for patients with an oncology condition.
    - 1.2.9.3 Cite the evidence (patient history, diagnostic test results, tests, measures, and scientific literature) to support clinical decisions for patients in acute care settings.
  - 1.2.10 Evaluate and interpret the results of examination findings to classify the patient problem using the most recently adopted diagnostic taxonomy (currently the Guide to Physical Therapist Practice's labels and practice patterns).
  - 1.2.11 Integrate and evaluate data that are obtained during the examination to describe the patient condition in terms that will guide the prognosis, the plan of care and intervention strategies.
  - 1.2.12 Identify and prioritize body function and structure impairments to determine specific activity limitations towards which interventions will be directed.
  - 1.2.13 Make a referral to another physical therapist, other health care practitioner or agency when physical therapy is not indicated or the patient/client's needs are beyond the skills, expertise and/or scope of practice of the physical therapist practitioner.
  - 1.2.14 Determine the need for additional information and utilize technological search mechanisms to find that information.
  - 1.2.15 Adapt delivery of physical therapy services with consideration for patients' differences, values, preferences and needs.
  - 1.2.16 Apply current knowledge, theory, clinical judgment, and the patient's values and perspective in patient management.
- 1.3 Develop a plan of care based on the best available evidence and that considers the patient's personal and environmental factors
- 1.3.1 Prioritize patient/client problems taking into consideration the patient/client's needs and goals, health condition, physiological and biological mechanisms within the constraints of the environment and resources.
  - 1.3.3 Determine a patient prognosis by predicting the level of optimal improvement in function and the amount of time required to achieve that level.
  - 1.3.4 Recognize barriers that may impact the achievement of optimal improvement within a predicted time frame.
  - 1.3.7 Articulate a specific rationale for referrals made to other providers.

Student Learning Outcome 3.0: Demonstrate professional behaviors

- 3.1 Recognize cultural, ethnic, age, economic, and psychosocial differences and apply a humanistic and holistic approach to the delivery of a clinical service.
  - 3.1.1 Practice physical therapy demonstrating cultural competence with all individuals and groups.
  - 3.1.2 Work effectively with challenging patients.
  - 3.1.3 Respect personal space of patients/clients and others.
  - 3.1.4 Demonstrate behaviors that are non-judgmental with regards to patients/clients' lifestyles.
  - 3.1.5 examine patients/clients by selecting culturally and age appropriate tests & measures to assess anthropometric characteristics.
  - 3.1.6 examine patients/clients by selecting culturally and age appropriate tests & measures to assess arousal, attention and cognition.
  - 3.1.7 examine patients/clients by selecting culturally and age appropriate tests & measures to assess the circulation [arterial, venous & lymphatic].
  - 3.1.8 provide culturally competent care to patients/clients in collaboration with other health care professionals.
  - 3.1.9 examine patients/clients by selecting culturally and age appropriate tests & measures to assess ventilation and respiration/gas exchange.
- 3.2 Communicate effectively for varied audiences and purposes.

3.2.1 Demonstrate effective interpersonal (verbal, nonverbal, electronic) communication skills considering the diversity of populations and environments.

3.2.2 Facilitate therapeutic communication and interpersonal skills.

3.2.3 Discuss difficult issues with sensitivity and objectivity.

3.2.4 Appropriately utilize communication technology efficiently, professionally, and effectively.

3.5 Demonstrate entry level generic abilities, including:

3.5.1 Professional accountability and commitment to learning.

3.5.2 Recognition of one's own limitations.

3.5.3 Effective use of constructive feedback.

3.5.4 Effective use of time and resources

3.5.5 Demonstrate integrity, compassion & courage in all interactions

Student Learning Outcome 4.0: Practice in an ethical and legal Manner

4.1 Practice physical therapy in a manner consistent with established legal and professional standards.

4.1.1 Demonstrate awareness of and adherence to state licensure regulations.

4.1.2 Practice within all applicable regulatory and legal requirements.

4.2 Practice in a manner consistent with the professional code of ethics

4.2.1 Demonstrate knowledge and application of ethical decision-making. 4.2.2 Treat patients/clients within scope of practice, expertise and experience.

Student Learning Outcome 5.0: Demonstrate scholarship

5.1 Apply basic principles of statistics and research methodologies within the practice of physical therapy.

5.1.1 Formulate and reevaluate positions based on the best available evidence.

5.1.2 Evaluate the efficacy and efficiency of physical therapy procedural interventions

5.1.3 Critically evaluate and interpret professional literature as it pertains to practice, research, and education.

5.1.4 Utilize contemporary technology consistently to access evidence.

**Attach a list of the required/recommended course readings and activities:**

PT 646 syllabus 2020\_revised.docx

**Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.**

GRADING PROCEDURES:

Final grades will be based on:

1) Pulmonary Exam [course objectives: 1, 3 & 4] 35%

2) Cardiac Exam [course objectives: 1, 3 & 4] 35%

3) Acute Care Exam [course objectives: 1, 3 & 4] 30%

4) demonstration of professional behavior [course objectives: 1, 3, 4 & 5] pass/fail

**Is this course required in a degree program (major, minor, graduate degree, certificate?)**

Yes

**Has a corresponding Program Change been submitted to Workflow?**

No

**Identify the program(s) in which this course is required:**

**Programs:**

Doctor of Physical Therapy

**Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?**

No

**Will there be any departments affected by this proposed course?**

No

**I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.**

I/we agree

## University Learning Goals

### Doctorate Learning Goal(s):

Critical thinking/analysis  
Information literacy  
Disciplinary knowledge  
Intercultural/Global perspectives  
Professionalism

**Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

### Please attach any additional files not requested above:

DPT-SLO\_Letter.pdf

### Reviewer Comments:

**Kisun Nam (knam) (Tue, 04 Feb 2020 23:24:00 GMT):**Rollback: Committee approved the form with pending changes. Please refer to the discussion during meeting. Committee members from the department will provide the detailed changes to the chair/author. Once re-submitted, the chair may approve the proposal immediately.

Key: 4089