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PT 563.01: Cardiopulmonary Physical Therapy

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PT 563 - Fall 2002

Cardiopulmonary Physical Therapy

Course Instructors:

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Office Hours: by appointment (individual or groups)

Lecture Times:	Monday	10:10 AM to 12:00 PM - SB113/025
	Friday	1:10 PM to 3:00 PM - SB113/025

Required Textbook:

Hillegass, E.A. & Sadowsky, H.S. (2001). *Essentials of cardiopulmonary physical therapy, 2nd edition*. W.B. Saunders Company.

Recommended Textbooks: (from previous classes)

Goodman, C.C. & Snyder, T.E.K. (2000). *Differential diagnosis in physical therapy, 3rd edition*. Philadelphia: W.B. Saunders. (Will be required spring 2003)

Goodman, C.C. and Biossonnault, W.G. (1998). *Pathology: Implications for the physical therapist*. Philadelphia: W.B. Saunders. (New edition expected this fall - will be required spring 2003)

O' Sullivan, S. B. & Schmitz, T. J. (2001). *Physical Rehabilitation: Assessment and treatment, 4th edition*. Philadelphia, PA: F. A. Davis, Co.

Readings:

Selected readings will either be available in required text, texts from another course, or a master copy will be placed in a binder in the student area, or online at [Network Neighborhood/Skaggs-03/PTherapy/Pt2/PT 563](#).

Unit Description:

During this course we will explore cardiac rehabilitation, and pulmonary rehabilitation in terms of pathology, assessment, differential diagnosis, treatment, and pharmacology. We will be using case studies as examples to work through the process of examination, evaluation, diagnosis, prognosis, intervention, and outcomes document. This course (and PT 575 next semester) was designed to assist you in synthesizing your knowledge and practical experiences in designing and implementing exercise programs as a physical therapist. It is the next logical step in the path you have followed from basic physiology to exercise physiology, through pathology and therapeutic exercise. Now that you have had a structured clinical experience you are ready to put all of this information and experience together and fine-tune your skills.

Unit Objectives:

To be handed out separately.

Unit Evaluation:

Cardiac Section Quiz 1	15 points
Cardiac Section Quiz 2	15 points
Pulmonary Section Quiz	30 points
Research Article Critiques (2)	10 points each
Comprehensive Final Exam	100 points
Practical Exam	Pass/Retake

These course components must be successfully completed with a score of $\geq 70\%$ or a "Pass" as per the student handbook (academic and performance standards). Failure to achieve this standard will require the student to retake the exam or retake the course.

Research Article Critiques:

You are responsible for completing two research article critiques this semester. The first critique will be focused on the content area of cardiac rehabilitation and the second on pulmonary rehabilitation. These critiques will be due by 5:00 PM on September 27th and October 25th respectively.

You will be expected to follow the guidelines for critiquing the literature as presented by Professor Gajdosik in PT 503. Please use the article by Hart et al. as your model. (Hart, D.L., Poston II, W.R., and Perry, J.F.. Critically reading a research article. The Journal of Orthopaedic and Sports Physical Therapy. 2(2), 72-76, 1980.

The critiques are not to exceed two type written pages (double spaced. 12 point font, with 1 inch margins). This limited does not include any graphs or tables you wish to include.

Course Schedule:

Monday	2-Sep-02	Labor Day
Friday	6-Sep-02	Cardiac Anatomy and Physiology
Monday	9-Sep-02	Cardiac Pathophysiology
Friday	13-Sep-02	Cardiac Pathophysiology

Monday	16-Sep-02	ECG
Friday	20-Sep-02	Cardiac Differential Diagnosis (Quiz 1)
Monday	23-Sep-02	Cardiac Rehabilitation Phases 1-3
Friday	27-Sep-02	Cardiac Rehabilitation Phases 1-3
Monday	30-Sep-02	Cardiac Rehabilitation Phases 1-3 (Quiz 2)
Friday	4-Oct-02	Pulmonary Anatomy and Physiology
Monday	7-Oct-02	Pulmonary Assessment
Friday	11-Oct-02	Pulmonary Pathophysiology
Monday	14-Oct-02	Pulmonary Pathophysiology
Friday	18-Oct-02	Pulmonary Treatment and Rehabilitation
Monday	21-Oct-02	Pulmonary Treatment and Rehabilitation
Friday	25-Oct-02	Pulmonary Quiz and Differential Diagnosis
Monday	28-Oct-02	Pulmonary Treatment and Rehabilitation
Friday	1-Nov-02	Cardiopulmonary Lab
Monday	4-Nov-02	Cardiopulmonary Lab
Friday	8-Nov-02	Cardiopulmonary Pharmacology
Monday	11-Nov-02	Veteran's Day
Friday	15-Nov-02	Cardiopulmonary Pharmacology

Final exam and practical exams are to be completed the week of November 18th - specific times and dates are to be announced.