

**College of Public Health & Health Professions
Department of Physical Therapy**

**PHT 6381C Cardiopulmonary Disorders
3 credit hours
Fall 2013**

Class Time:

Monday 3-5 pm
Thursday 1:55-2:45

Location:

PT 1104

Primary Instructor:

Daniel Martin, Ph D, PT

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Phone: 273-6105

Office: PNPHP Bldg

Room 1152

Office Hours: Wednesdays 8-10 a.m. - Other times by appointment

Course Description:

This is primarily a lecture course designed to give students the knowledge and background to allow them to evaluate and treat patients with cardiopulmonary diseases as the primary diagnoses and patients being seen for other physical therapy diagnosis who have cardiopulmonary disease. The course will cover elementary ECG interpretation, exercise testing, principles of cardiac rehabilitation, peripheral vascular disease and related cardiovascular diagnoses. The students will also be presented information on the processes for diagnosing pulmonary disease, understanding how pulmonary disease affects exercise tolerance and designing effective rehabilitation programs for patients with primary pulmonary diagnoses. Other topics to be covered include critical illness induced myopathy/weakness, mobilizing ventilator dependent patients, use of supplemental oxygen at rest and during exercise, ventilator induced diaphragm dysfunction and treatment.

Course Objectives:

Upon successful completion of this course, students should be able to:

1. Describe and understand the general pathophysiological basis for exercise limitation by patients with cardiopulmonary disease.
2. To understand the general principles used to evaluate patients with cardiopulmonary disease and design effective and safe exercise rehabilitation programs.
3. *Communicate effectively with patients and colleagues on appropriate exercise prescription.*

Course Textbook: Hillegas and Sandowsky. Essentials of cardiopulmonary physical therapy. Saunders

Notes:

PowerPoint notes for each lecture will be provided prior to each class on Sakai.

Course Outline:

Note: It is likely that this schedule will change throughout the semester

Date	Topic
8/22	Course intro
8/26	ECG I
8/29	ECG II
9/2	Labor Day Holiday
9/5	ECG III
9/9	Exercise testing & evaluation I
9/12	Exercise testing & evaluation II
9/16	Coronary artery disease/atherosclerosis I
9/19	Coronary artery disease/atherosclerosis II
9/23	Test 1
9/26	Peripheral vascular disease I
9/30	Peripheral vascular disease II
10/3	Exercise testing I
10/7	Chest Exam (Dr Smith)
10/10	Chest Physiotherapy (Dr Smith)
10/14	Exercise testing II
10/17	Exercise Prescription for Cardiac patients I
10/21	Exercise Prescription for Cardiac patients II
10/24	Pulmonary function & Obstructive lung diseases I
10/28	test II (through 10/22 lecture)
10/31	Oxygen supplementation
11/4	Pulmonary function & Obstructive lung diseases II
11/7	Restrictive lung diseases
11/11	Holiday
11/14	Dyspnea & lung disease: mechanisms and treatment
11/18	Exercise prescription for pulmonary patients
11/21	Critical illness myopathy: mechanisms and treatment
11/25	Inspiratory muscle training & ventilator weaning
11/28	Thanksgiving Holiday
12/2	TBA
12/4	classes end

Final Exam date and time TBA

Course Grading Scheme:

Exams:

There will be three examinations, spaced approximately 5 weeks apart. The exams are not cumulative in that material covered in the first five weeks will not be specifically tested on the second test, however students may need to use information covered earlier in the course to effectively answer questions on test 2 and 3. Tests will normally be returned during the first class meeting following the test and will be discussed. In order to receive a grade for a test, students must return their answer "bubble" sheet and the written test questions. Failure to return either of these items to the instructor will result in a grade of zero for the test. The test will be proctored by graduate students and no questions regarding the test are to be entertained by the graduate student during tests. You will have one week following the return of each exam to appeal the grade. All grades must be appealed in writing (please email). THERE WILL BE NO EXCEPTIONS TO THESE RULES!

Grading Scale

This course will be graded according to the departmental guidelines located in the student handbook. We will follow the standard grading scale listed below.

93-100 =	A 4.00 grade point
90-92 =	A- 3.67 grade point
87-89 =	B+ 3.33 grade point
83-86 =	B 3.00 grade point
80-82 =	B- 2.67 grade point
70-79 =	C 2.00 grade point
60-69 =	D 1.00 grade point
Below 60 =	E 0 grade point

Academic Honesty / Honor Code

In this professional program we are particularly sensitive to students submitting independent work and to using complete and accurate referencing in complying with the University of Florida Rules - 6CI-4.017 Student Affairs: Academic Honesty Guidelines. Further details regarding the University of Florida honesty policy is available at: <http://www.dso.ufl.edu/judicial/procedures/academicguide.php> and in your student handbook. All students are required to abide by the Academic Honesty Guidelines, the following pledge has been accepted by the University and is expected of all students: **"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity"**. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."**

Policy Related to Class Attendance

Attendance is mandatory. Please contact the instructors as soon as possible if you are unable to attend class for any reason. Personal issues with respect to class attendance or fulfillment of course requirements will be handled on an individual basis.

Accommodations for students with disabilities

If you require classroom accommodation because of a disability, you must first register with the Dean of Students Office (<http://oss.ufl.edu/>). The Dean of Students Office will provide documentation to you, which you then give to the instructor when requesting accommodation. The College is committed to providing reasonable accommodations to assist students in their coursework.

Counseling and Student Health

Students may occasionally have personal issues that arise in the course of pursuing higher education or that may interfere with their academic performance. If you find yourself facing problems affecting your coursework, you are encouraged to talk with an instructor and to seek confidential assistance at the University of Florida Counseling Center, 352-392-1575, or Student Mental Health Services, 352-392-1171. Visit their web sites for more information:

<http://www.counsel.ufl.edu/> or

<http://www.health.ufl.edu/shcc/smhs/index.htm#urgent>

The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services, including primary care, women's health care, immunizations, mental health care, and pharmacy services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: www.health.ufl.edu/shcc

Crisis intervention is always available 24/7 from: Alachua County Crisis Center: (352) 264-6789. *BUT – Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone - do not be afraid to ask for assistance.*

Professional Behavior

Professional behavior is critical for a successful transition from the classroom to the clinical setting. The faculty recognizes the importance of this by incorporating the development and evaluation of professional behavior into each academic course. Professional behavior is described in the Student Handbook and is exemplified by:

1. Attendance to all classes
2. Timeliness

3. Attentiveness.
4. Respectful and polite interaction with peers and instructors
5. Active learning as demonstrated by questions and discussion
6. Other behaviors as described on Professional Behaviors and Student Responsibilities in the Student manual.

Laptop & Smartphone policy

Laptop computers are permitted for taking notes. *However, internet use is not permitted during lectures. Texting or other use of phones is not permitted.*

Dress Code

Please review the policies for lecture attire in your Student Handbook.