

**Florida International University
College of Arts and Sciences**

COURSE NUMBER	PCB 3704 U01
COURSE TITLE	Human Physiology II
PLACEMENT	Spring 2017
COURSE CREDITS	3
CLOCK HOURS	Tuesdays & Thursdays 6:25PM - 7:40PM
ROOM	AHC III- Room 110
FACULTY	Dr. Melvin Rodriguez, MD Merodrig@fiu.edu OFFICE Hours: TBA or by appointment ONLY

COURSE DESCRIPTION

In Human Physiology II (PCB 3704) students will understand the function of the main physiological systems and their integration and interaction in the human body. Students will learn how to collect and interpret relevant information in order to develop logical ways of dealing with problems associated with the function and control of physiological systems. Although some medical examples will be used to examine what happens to a system when one or more components are not functioning correctly, this is not a course in medical physiology.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to:

- ❖ understand how major organ system works and how these systems are interrelated within the human body

TENTATIVE LECTURE SCHEDULE*

JAN 10	Course Introduction
JAN 12	Mastering A & P tutorial session
JAN 17	Chapter 16: Respiratory System: Pulmonary Structure and Function
JAN 19	Chapter 16: Respiratory System: Pulmonary Ventilation Pt 1
JAN 24	Chapter 16: Respiratory System: Pulmonary Ventilation Pt 2
JAN 26	Chapter 17: Respiratory System: Gas Exchange- Pulmonary Circulation
JAN 31	Chapter 17: Respiratory System: Gas Exchange- Transport of Gases- ONLINE QUIZ #1
FEB 2	Chapter 17: Respiratory System: Gas Exchange- Acid/Base Regulation
FEB 7	Exam 1

*Subject to change

FEB 9	Chapter 18: The Urinary System: Renal Function Pt 1
FEB 14	Chapter 18: The Urinary System: Renal Function Pt 2
FEB 16	Chapter 18: The Urinary System: Fluid and Electrolyte Balance Pt 1
FEB 21	Chapter 18: The Urinary System: Fluid and Electrolyte Balance Pt 2 – ONLINE QUIZ #2
FEB 23	Chapter 18: The Urinary System: Renal Acid/Base and Blood Pressure Control
FEB 28	EXAM 2
MAR 2	Chapter 20: Gastrointestinal System
MAR 7	Chapter 20: Gastrointestinal System
MAR 9	Chapter 20: Gastrointestinal System
MAR 14	SPRING BREAK
MAR 16	SPRING BREAK
MAR 21	Chapter 21: Endocrine System- Energy Metabolism & Growth Pt 1 – ONLINE QUIZ #3
MAR 23	_Chapter 21: Endocrine System- Energy Metabolism & Growth Pt 2
MAR 28	EXAM 3
MAR 30	Chapter 6: Endocrine System- Endocrine Glands and Hormone Actions
APR 4	Chapter 6: Endocrine System- Endocrine Glands and Hormone Actions
APR 6	Chapter 6: Endocrine System- Endocrine Glands and Hormone Actions
APR 11	Chapter 23: Immunology
APR 13	Chapter 23: Immunology - ONLINE QUIZ #4
APR 18	Chapter 23: Immunology
APR 20	EXAM 4

All PowerPoint Presentations will be available on Blackboard

*Subject to change

TEACHING STRATEGIES

- Active NOT Passive learning
- Concept mapping and stepwise flowcharts
- Visual learning through slides figures and animations
- Act as facilitator for learning new material
- Self-directed learning activities

EVALUATIONS / GRADING POLICY:

20%: QUIZZES 4 Quizzes worth 5% each quiz for a total of 20% on Mastering A & P

Online registration instructions:

Go to the following web address and click the “**register now**” button:

<http://www.pearsonmylabandmastering.com/northamerica/masteringaandp/>

Enter the course ID below for your registration.

Course ID: MAPRODRIGUEZ2017

80% Exams: There will be four multiple-choice exams administered this semester, **of which all scores will be calculated for the final grade.**

The grading scale is as follows: **A=100-90, B=89-80, C=79-70, D=69-60, F=59-0.**

There will be no make-up exams (MISSED EXAMS WILL RESULT IN A ZERO SCORE) administered unless circumstances beyond the student's control arise and are IMMEDIATELY accompanied by the appropriate documentation:

1) Death in immediate family member requires official bereavement statement. 2) Student/immediate family member with acute/terminal illness requires official hospital/clinic notification. 3) Traffic accident requires official accident report. 4) Jury duty requires county clerk summons. 5) Military duty.

The aforementioned will be taken into consideration or, if applicable, allow students to request an «Incomplete » grade. Candidates for grades of «Incomplete » include those students that have completed 60% of the course work satisfactorily (C grade or higher) and cannot justifiably finish the course (pre-planned vacation/business trips do not constitute a serious interruption).

If any of the preceding information elicits a conflict of interest, you are strongly urged to DROP the course.

REQUIRED TEXTBOOK: Principles of Human Physiology with Mastering A&P, 5th Edition
Cindy L. Stanfield. Published by Benjamin Cummings

<http://www.masteringaandp.com/>

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Tips on the successful completion of this course:

1. Attendance is **NOT** mandatory, but **HIGHLY** recommended! **Poor attendance** can only result in **poor grades!**
2. Make emphasis on careful note-taking and pre-reading skills.
3. In the case of missed lecture days or impending absences, students are **responsible** for obtaining lecture notes and **in-class announcement information** from **fellow classmates** (do not summon the instructor for this).
4. All electronic communication equipment should be silenced (ie. cell-phones), so as to not encumber the learning and thinking process of others.
5. Disruptive behavior during lectures/exams is deemed inappropriate and will not be tolerated.

Cheating policy: Cheating (ie. possession of crib sheets/notes, glaring at another's paper, electronic devices –cell phones/ipads-) during any of the administered exams is a direct violation of FIU's student conduct code and will not be tolerated in this course. The instructor will be proctoring exams diligently; violators will either receive a failing semester grade or be subjected to university administrative action. This policy adheres to the following: *"Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook."*

Please be advised that the course syllabus schedule of events is subject to change at the instructor's discretion.

Best of luck to all and have a pleasant semester!

*Subject to change