

HUMAN ANATOMY AND PHYSIOLOGY II BIOLOGY 3456

SPRING 2006

OBJECTIVES:

Biology 3456, Anatomy and Physiology II, is the second half of a two-part Anatomy and Physiology series designed for a comprehensive examination of the basic principles of human physiology in the context of a detailed examination of human anatomy. The course is designed to give the pre-professional health care student a detailed fundamental background to enable the student to excel in the anatomical and physiological sciences within the professional school curriculum. This second-half study of the structure-function relationship includes a survey of endocrine, cardiovascular, lymphatic, respiratory, gastrointestinal, renal and reproductive organ systems. Emphasis will be placed on the anatomy of these systems as outlined in a model-based laboratory setting.

Textbooks: Fundamentals of Anatomy and Physiology. Martini, F.H., 7th Edition, Pearson, 2006. ISBN 0-8053-7298-9

Laboratory Textbook of Anatomy and Physiology. Wood, M.G., 3rd Edition, Pearson, 2005. ISBN 0-8053-7369-1

Instructor: John H. Moltz, Ph.D.

Schedule: Lecture – Tues-Thurs: 5:30pm-6:45pm (See attached Outline)
Lab – Tues/Thurs, 7:00pm-9:45pm (See attached Outline)

OUTCOMES:

The student will therefore:

1. Understand and be conversant with the anatomy of the human body.
2. Understand and be conversant with the physiology of the human body.
3. Be familiar with the operation of human organ systems and their interactions within the body
4. Be familiar with the concepts of integration of human organ system operations within the body.

ASSESSMENT:

Grading: The course grade for Biology 3456 will be determined as follows:

50% - Lecture Exams

50% - Laboratory Exams

Course letter grades will be assigned according to the following schedule:

A: 100- 89.6	B: 86.9-79.6	C: 76.9-69.6	D: 66.9-59.6
B+: 89.5-87.0	C+: 79.5-77.0	D+: 69.5-67.0	F: < 59.6

The lecture grade will consist of four progress exams. The exams will consist of both subjective and objective questions. See attached lecture schedule for the dates of these exams. **MAKEUP EXAMS ARE NOT ROUTINELY GIVEN!** Makeup lecture exams are only given with prior consultation with the instructor. The laboratory exam grade will consist of three practical exams. The format of these exams will be discussed by the laboratory instructor. **MAKEUP LABORATORY PRACTICAL EXAMS ARE NEVER GIVEN!**

Lecture exams and/or laboratory practical grades are never curved. Alternative methods to enhance or change a grade, e.g. reports, projects, etc., do not exist. The last date to withdraw from the course, WP/WF, is March 23, 2006.

r. Moltz is available to students before and after each scheduled lecture and lab. Dr. Moltz can also be reached by appointment in his office (FO3.310A) at 972-883-4172, Email: JMoltz@utdallas.edu. Teaching assistants are also available for the students.

BIOLOGY 3456
LECTURE SCHEDULE
SPRING 2006

	<u>Date</u>	<u>Topic</u>	<u>Chapters</u>
n	10	Introduction to Bio 3456	
	12, 17	Endocrine	18
	19, 24	Blood	19
	26, 31, Feb 2	Heart	20

8	LECTURE EXAM #1	18-20
10, 15, 17	Blood Vessels and Circulation	21
22, 24	Lymphatic System	22
28	Respiratory System	23
2	LECTURE EXAM #2	21-22
14, 16	Respiratory System	23
21, 23, 28	Digestive System	24
30	LECTURE EXAM #3	23-24
4, 6, 11	Urinary System	26
13, 18, 20	Reproduction	28
25	LECTURE EXAM #4	26,28

BIOLOGY 3456
LABORATORY SCHEDULE
SPRING 2006

Week of:	Topic	Exercise
9	NO LAB	
16	Endocrine	33
23	Blood	34
30	Heart	35
6	Blood Vessels	36
13	Blood Vessels	36
20	PRACTICAL #1	

	27	Respiratory	39
ar	13	Respiratory	39
	20	Digestive	41
	27	<u>PRACTICAL #2</u>	
pr	3	Urinary	43
	10	Urinary	43
	17	Reproduction	45

24 **PRACTICAL #3**