

This course is available for student registration only after the approval process has been completed.

SUBJECT BIO COURSE NO. 1162 CREDIT HOURS 4 TERM TO BE ADDED TO THE FILE Fall 2010

CLASS HOURS 60 LECTURE HOURS 45 LAB HOURS 15 CONTACT HOURS (CEU ONLY)

DEPARTMENT Biology SCHEDULE TYPE Lecture/Lab

- COLLEGE OF AERONAUTICS-23 COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS-25
COLLEGE OF BUSINESS-24 COLLEGE OF SCIENCE-26
COLLEGE OF ENGINEERING-01 UNIVERSITY COLLEGE EXTENDED STUDIES-27

COMPUTER TITLE Restricted to 25 characters, including spaces Anatomy/Physiology

CATALOG TITLE SURVEY OF HUMAN ANATOMY AND PHYSIOLOGY

CATALOG DESCRIPTION OF COURSE Limited to 350 characters, including spaces

Surveys the structure and function of the human body. Emphasizes the human body as an integrated system. Includes basic principles and concepts related to the structure of biological molecules, cells, tissues and organs, and the systems of the human body. Also includes laboratory and online components.

In addition, you may attach a course syllabus and/or more detailed description.

RESTRICTIONS Prerequisite Corequisite Prerequisite Corequisite Prerequisite Corequisite

- GRADES TO BE ISSUED
[X] A, B, C, D, F
[] A, B, C, D, F, CEU
[] CEU
[] S, U
[] P, F
[] Other

ADDITIONAL RESTRICTION not for pre med

If this course replaces a course currently offered in BANNER, please indicate old course information

SUBJECT Alpha Prefix (e.g., CSE) COURSE NO. (e.g., 1301)

APPROVALS: Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for approval below and forward to Catalog Director.

Originals Richard B. Aronson 8-27-09 Chair, Graduate Council

Department Head/Program Chair Hamid K. Ranaul 8-27-09 OR Chair, Undergraduate Curriculum Committee 8/29/09

CATALOG DIRECTOR

These changes/additions have been made for the University/Extended Studies Catalog and entered into the BANNER term named above.

REGISTRAR'S USE ONLY

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Florida Institute of Technology

Science/Mathematics Education Department

Survey of Human Anatomy & Physiology

1162
BIO 2162

M & W 5:00pm-6:15pm

R 5:00pm-7:00pm

Quad405 Rm107

Instructor: TBA

Office:

Office Hours:

Fall 2010

Phone: Phone:

Email: Email:

Required Textbook and Lab Manual:

Introduction to the Human Body: The Essentials of Anatomy and Physiology, 8th Ed.
by Gerard J. Tortora and Bryan Derrickson and associated WileyPLUS resources.
Essentials of Anatomy and Physiology Laboratory Manual, Allen and Harper

Course Description: Studies the structure and function of the human body emphasizing the human body as an integrated whole.

Course Objective: The student will gain an understanding of the basic principles and concepts related to the structure and functions of biological molecules, cells, tissues, organs, and systems of the human body.

Attendance: Attendance at all class and laboratory sessions is required.

Laboratory: Each lab will be completed using a combination of laboratory, model and online resources. Each lab is worth 10 points.

Exams: Three exams worth 100 points each.

Quizzes: There will be 12 quizzes. Each Quiz is worth 10 points. The two lowest quiz grades will be dropped.

<u>Course Grades:</u>	<u>Points</u>	<u>Grading Scale:</u>	
Exams	300	540 – 486 =	A
Laboratory	140	485 – 432 =	B
Quizzes	100	431 – 378 =	C
Total	540	377 – 324 =	D
		< 323 =	F

Survey of Human Anatomy & Physiology

1102

BIO.2162		Course Schedule Fall 2010	
Dates	Textbook Chapter and Topics	Prior to Class	Laboratory
Week 1	Ch. 1 Organization of the Human Body Ch. 2 Introductory Chemistry	Read and review Ch. 1-2	Orientation
Week 2	Ch. 2 Introductory Chemistry (con't) Ch. 3 Cells	Read and review Ch. 2-3 (Quiz 1)	Molecules & Cells
Week 3	Ch. 4 Tissues Ch. 5 The Integumentary System	Read and review Ch. 4-5 (Quiz 2)	Organ Systems
Week 4	Ch. 6 The Skeletal System Ch. 7 Joints	Read and review Ch. 6-7 (Quiz 3)	Skeleton
Week 5	Ch. 8 The Muscular System Ch. 8 The Muscular System (con't)	Read and Review Ch. 8 (Quiz 4)	Joints & Movement
Week 6	EXAM Ch. 9 Nervous Tissue	Read and review Ch. 9	Skeletal Muscles
Week 7	Ch. 10 Central Nervous System Ch. 10 Central Nervous System (con't)	Read and review Ch. 10 (Quiz 5)	Nerves & Brain
	Spring Break		
Week 8	Ch. 11 Autonomic Nervous System Ch. 12 Somatic Senses and Special Senses	Read and review Ch. 11-12 (Quiz 6)	Nerve Impulses
Week 9	Ch. 13 The Endocrine System Ch. 14 The Cardiovascular System - Blood	Read and review Ch. 13-14 (Quiz 7)	Endocrine System
Week10	Ch. 15 - Heart Ch 16 - Blood Vessels and Circulation	Read and review Ch. 15-16 (Quiz 8)	Heart & Circu- latory System
Week11	Ch. 17 Lymphatic System and Immunity Ch.17 Lymph. Sys. & Immun. (con't)	Read and review Ch. 17 (Quiz 9)	Exercise and Cardiac Output
Week12	EXAM Ch. 18 The Respiratory System	Read and review Ch. 18	Pulmonary Regulation
Week13	Ch. 19 The Digestive System Ch. 20 Nutrition & Metabolism	Read and review Ch.19- 20 (Quiz 10)	Blood Glucose Regulation
Week 14	Ch.21 Urinary System Ch.22 Electrolyte and Acid-Base Balance	Read and review Ch.21-22 (Quiz 11)	Urinary System
Week 15	Ch. 23 The Reproductive Systems Ch. 24 Development and Inheritance	Read and review Ch.23 Read and review Ch. 24 (Quiz 12)	Reproductive System
Final Exam Week	Exam		