

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

SUBJECT EDS COURSE NO. 2162 CREDIT HOURS 4 TERM TO BE ADDED TO THE FILE Fall 2010
Alpha Prefix (e.g., CSE) Number Choice (e.g., 1301) (e.g., Fall 2006)

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

DEPARTMENT Science and Mathematics Education SCHEDULE TYPE Lecture/Lab
(e.g., Computer Sciences) (e.g., Lecture, Lab or Special Project)

- | | |
|--|--|
| <input type="checkbox"/> COLLEGE OF AERONAUTICS-23 | <input type="checkbox"/> COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS-25 |
| <input type="checkbox"/> COLLEGE OF BUSINESS-24 | <input checked="" type="checkbox"/> COLLEGE OF SCIENCE-26 |
| <input type="checkbox"/> COLLEGE OF ENGINEERING-01 | <input type="checkbox"/> 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

<input type="checkbox"/> Prerequisite _____ <small>Course Number</small>	<input type="checkbox"/> Corequisite _____ <small>Course Number</small>
<input type="checkbox"/> Prerequisite _____ <small>Course Number</small>	<input type="checkbox"/> Corequisite _____ <small>Course Number</small>
<input type="checkbox"/> Prerequisite _____ <small>Course Number</small>	<input type="checkbox"/> Corequisite _____ <small>Course Number</small>

GRADES TO BE ISSUED



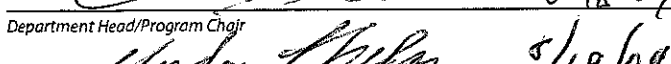
- A, B, C, D, F
 A, B, C, D, F, CEU
 CEU
 S, U
 P, F
 Other _____

ADDITIONAL RESTRICTION _____
(e.g., Major, Class Level, Department Head Approval)

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.

	8-17-09		
<small>Originator</small>	<small>Date</small>	<small>Chair, Graduate Council</small>	<small>Date</small>
		OR	
<small>Department Head/Program Chair</small>	8-18-09		
			
<small>Dean of Associate Dean</small>	5/19/09	<small>Chair, Undergraduate Curriculum Committee</small>	<small>Date</small>

CATALOG DIRECTOR

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

Catalog Director Date

REGISTRAR'S USE ONLY

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Florida Institute of Technology

Science/Mathematics Education Department

Survey of Human Anatomy & Physiology

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

R 5:00pm-7:00pm

EDS 2162

Quad405 Rm107

Instructor: TBA

Fall 2010

Office:

Phone: Phone:

Office Hours:

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>
Exams	300
Laboratory	140
Quizzes	<u>100</u>
Total	540

<u>Grading Scale:</u>	
540 – 486	= A
485 – 432	= B
431 – 378	= C
377 – 324	= D
< 323	= F

Survey of Human Anatomy & Physiology

EDS 2xxx		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		