Florida Institute of Technology

ADDING A NEW COURSE TO THE CURRICULUM

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

SUBJECT BIO                          COURSE NO. 1167                        CREDIT HOURS 4
Alpha Prefix (e.g., CSE)              Number Choice (e.g., 1101)          TERM TO BE ADDED TO THE FILE Fall 2010
                              (e.g., Fall 2006)

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

DEPARTMENT Biology       SCHEDULE TYPE Lecture/Lab
(e.g., Computer Sciences) (e.g., Lecture, Lab or Special Project)

☐ 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.

GRADES TO BE ISSUED
☐ A, B, C, D, F
☐ A, B, C, D, F, CEU
☐ CEU
☐ S, U
☐ P, F
☐ Other

ADDITIONAL RESTRICTION

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.

Organizer
[Signature]  8-27-09  Chair, Graduate Council
Date

Department Head/Program Chair
Hamid K. Rezaei  8-27-09
Date

Dean or Associate Dean
[Signature]  8-27-09  Chair, Undergraduate Curriculum Committee
Date

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

[Signature]  Date

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RG-271-06E
Survey of Human Anatomy & Physiology

M & W 5:00pm-6:15pm
R 5:00pm-7:00pm
Quad405 Rm107

BIO 2462

Instructor: TBA
Office: 
Office Hours: 

Required Textbook and Lab Manual:

by Gerard J. Tortora and Bryan Derrickson and associated WileyPLUS resources.

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.

Course Grades: 

<table>
<thead>
<tr>
<th>Points</th>
<th>Grading Scale:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams  300</td>
<td>540 - 486 = A</td>
</tr>
<tr>
<td>Laboratory 140</td>
<td>485 - 432 = B</td>
</tr>
<tr>
<td>Quizzes 100</td>
<td>431 - 378 = C</td>
</tr>
<tr>
<td>Total 540</td>
<td>377 - 324 = D</td>
</tr>
<tr>
<td></td>
<td>&lt; 323 = F</td>
</tr>
</tbody>
</table>
# Survey of Human Anatomy & Physiology

## BIO 2462

### Course Schedule Fall 2010

<table>
<thead>
<tr>
<th>Dates</th>
<th>Textbook Chapter and Topics</th>
<th>Prior to Class</th>
<th>Laboratory</th>
</tr>
</thead>
</table>
| 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 |
| Week 10 | Ch. 15 - Heart  
Ch. 16 - Blood Vessels and Circulation | Read and review Ch. 15-16 (Quiz 8) | Heart & Circulatory System |
| Week 11 | Ch. 17 Lymphatic System and Immunity  
Ch. 17 Lymph. Sys. & Immun. (con’t) | Read and review Ch. 17 (Quiz 9) | Exercise and Cardiac Output |
| Week 12 | **EXAM**  
Ch. 18 The Respiratory System | Read and review Ch. 18 | Pulmonary Regulation |
| Week 13 | 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** | | |