

## Frederick Community College

BI 103 – Anatomy and Physiology  
Spring 2010, BI103-6Lc  
02/26/-05/14

### Instructor Information:

<b>Name:</b> Danil Hammoudi.MD	Office:
<b>E-mail:</b> <a href="mailto:sinoemedical@comcast.net">sinoemedical@comcast.net</a> [USE THIS ONE FOR FAST REPLY]  DHammoudi@frederick.edu	Phone Number: (301) 846-2510
<b>Web sites:</b> <a href="http://sinoemedicalassociation.org/AP3/">http://sinoemedicalassociation.org/AP3/</a> <a href="http://sinoemedicalassociation.oeg/AP/">http://sinoemedicalassociation.oeg/AP/</a>	
<b>Office Hours:</b> To be disclosed	Campus Mail Box Number:

### Course Information:

Credits: 4	Last Day to Drop: April 9
Prerequisites: EN50A and EN52 or ESL95 and ESL99, and MA82 or MA91 and BI55 or BI101 or CH101 or BI120	Co-requisites: none
<b>Lecture (Day/Time/Location):</b> Friday 12:00pm to 2:30pm SWEADNER HALL	<b>Lab (Day/Time/Location):</b> Not with me this time

**Lecture, Lab , Practice Questions : Use the above web site mainly**

### Course Description:

Biology 103 (Anatomy and Physiology) is the first course in a two-semester sequence. The course presents a study of physiology utilizing a body systems approach, while emphasizing relationships between form and function at both the microscopic and gross levels of organization. Basic anatomical terminology, concepts of cell biology, histology, integumentary system, skeletal system, muscular system, nervous system, special senses and endocrine system are covered.

### Core Learning Outcomes:

By the completion of the course students will:

1. Demonstrate knowledge of the chemical basis of cells and tissues.
2. Apply knowledge of basic biochemical principles to the structure and function of organs in the integumentary, skeletal, muscular, nervous and endocrine systems and to the organism.
3. Demonstrate knowledge of the roles of the nervous and endocrine systems in communication, integration and regulation within the body.
4. Apply homeostatic mechanisms to changing internal and external conditions affecting the integumentary, skeletal, muscular, nervous and endocrine systems and to the organism.
5. Apply scientific reasoning.

### **Additional Outcomes:**

Specific learning outcomes are listed in the course objectives that accompany the syllabus. The objectives contain the key terms for which you will be responsible. Use the objectives as a guide to reading and studying and as a review for quizzes and exams.

### **Achieving the course objectives:**

The specific course objectives are attached. In order to succeed in this course, it is important that you keep pace with the material as it is presented. This requires strong time management skills. The college offers workshops in time management. Check the lab bulletin board for dates and times. Nonetheless, it is the student's responsibility to devote an adequate amount of study time outside of class to accomplish the objectives of the course. It is also the student's responsibility to come prepared to lecture and lab. Tutoring is available through the Tutorial Center housed in the Library. It is important that students use their instructor's office hours and devote as many as nine to twelve hours of study time to the course each week before requesting a tutor. **Forming study groups with other students is another valuable way to learn anatomy and physiology.**

Accompanying the seventh edition of the textbook (Marieb's Human Anatomy and Physiology) is a website called CourseCompass. *This tool is useful as a companion site to the course.* If you purchased a new text, your access to CourseCompass is included free. **I do not use compass in my lecture.** Some of the items you will find in Course Compass are:

- On line grade book
- Frequently Asked Questions concerning the course
- Lecture outlines for each chapter. These outlines will be used as the core of the lecture presentations.
- Pretest, several self quizzes for each chapter. It grades the quizzes and gives the students a score, but does not record them in the grade book.
- Study questions for each chapter. They should be completed prior to taking the chapter posttest.
- Practice multiple choice questions for each chapter.
- Posttest for each chapter. These are required quizzes. The scores are added to the grade book and will become part of the final lecture grade. The posttests are taken on line usually on the weekend. See *Evaluation Methods* for more information.
- Reading assignments
- The text on line
- Talking glossary
- Flashcards for each chapter
- A set of microscope slides we use in lab. There is an explanation, labels to turn on or off; some have closely related slides and how they are different, and questions about the slides. You can also choose the magnification. Wonderful.
- All the bones we teach in lab with labels to turn on or off, questions, etc. Designed to help students study when they cannot get back to lab.
- Same for the muscles.
- Expanded outlines for each chapter.
- Interactive Physiology unit.

- Computerized lab exercises
- Online tutoring

---

**Instructional Methods:**

---

Lecture, discussion, instructional technology, group work, laboratory activities including dissection.

---

**Text(s) for Course:**

---

***Text: Marieb, E.N. Human Anatomy and Physiology, 8<sup>th</sup> edition. 2009.  
Lab Manual: Marieb, E.N. Human Anatomy and Physiology Laboratory Manual Cat version. 9<sup>th</sup> edition. 2008.***

***Study Space: The Science Tutorial Room is located in C-103. This room is equipped with study materials (microscopes and models) and computers. The software available is listed below.***

***The Science Tutorial Room is available M-Th 9:00 am – 9:00 pm and Friday 9:00 am – 3:00 pm when classes are in session.***

- CatWorks for cat dissection
- A.D.A.M. fourth edition
- A&P Toolkit (tutorial package that contains practice test questions)
- Harper-Collins Tutorial for Physiology
- Interactive Physiology
- Practice Makes Perfect
- Virtual Physiology
- Chemistry for the Biology Student

---

**Student Honesty:**

---

The College has a code of honesty that is published in the Student Handbook. Make yourself aware of this policy. Every student who enrolls at FCC is bound by the code of honesty. Cheating will not be tolerated and may result in the loss of a quiz/exam score or failure in the course. This applies to the person providing the answers as well as to the person accepting the answers.

---

**Progress Report:**

---

Students will receive some form of written assessment of their progress in the course no later than the sixth week of the semester.

### **Attendance Policy:**

Students in this class are expected to assume responsibility for class attendance and behavior during class sessions. Disruptive behavior will not be tolerated.

The majority of students will find that class attendance is required in order to complete course work satisfactorily. Students are expected to start and complete every class on time. Students who attend sessions regularly will be better prepared to complete testing and lab requirements. The class attendance policy for this class is:

**Class attendance is required.** Failure to attend sessions does not excuse a student from completing assignments, tests, or other requirements of the course on time.

- Quizzes and exams will be given at the start of class [not lectures].
- Quizzes and exams will not be administered late. There are no make-up quizzes.
- Make-up exams will be given in extreme cases in which the instructor is notified prior to the distribution of the exam. Make-up exams may be in an essay format. Excused absences include illness (with doctor's note), emergencies, religious holidays, and official College functions. Late assignments may not be accepted.
- Attendance will be taken at the beginning of each class meeting.

### **Other:**

**Youngsters:** Departmental policy prevents minor children from being in the laboratory when class is in session or in the tutorial room (C-103).

**Snacks:** Eating and drinking are not allowed in the laboratory, tutorial room, or lecture hall.

**Personal Communication Devices:** *Beepers and cell phones must be turned off during class.* For emergencies, the college's Emergency Procedure, as stated in the Student Handbook, will be used to contact students while in class.

**Class Cancellation;** See the FCC Academic Catalog for class cancellation policies. When possible, canceled classes will be rescheduled. Dates and times for make-up sessions will be discussed with the affected class(es).

NOTE: Students who wear contact lenses should wear regular glasses for any lab exercises in which preserved materials are used. Check the lab schedule and the lab exercises.

**Evaluation Methods:**

Tests	Point Value
On line chapter post-tests as assigned. Two of these post-tests can be dropped. Post-tests are taken on-line as assigned.	Each post-test is 10 multiple-choice questions. Your score is presented as a percentage. The average of the post-tests will equal 4% of your final grade.
<p>4 Lecture Exams (The fourth exam is a cumulative final.)  <b><u>Lecture test consist of multiple choice, open question, picture lecture test.</u></b>  <b><u>Cumulative exam is multiple choice only.</u></b>            An oral test might be offer for those very close to an A or B or C, I will decide depending on several factors</p>	100 points each. Your score is presented as a percent. The average of the 4 exams will equal 60% of your final grade.
Weekly lab quizzes. Two lab quiz grades may be dropped.	Approximately 20 points each. Your score is presented as a percent. The average of the lab quizzes will be equivalent to a lab exam.
<b>2 lab exams (a mid-term lab exam covering labs 1-7 and a lab final covering labs 8-14)</b>	100 points each. Your score is presented as a percent. The average of the lab quizzes and 2 lab exams will equal 36% of your final grade.
Final grade	60% lecture exam average + 4% post-test quiz average + 36% lab average = final grade
Grading scale	100- 90.0% = A 89.0- 80.0% = B 79.0- 70.0% = C 69.0- 60.0% = D 59.0- 0.0% = F

Additional opportunities to acquire points may be offered throughout the semester. Announcements will be made in class.	
---	--

Tentative dates for exams are shown on the course schedule. NOTE: These dates are subject to change. All changes will be announced in class and posted on Course Compass. Post-test dates and times will be announced in class and posted on Course Compass. It is the student's responsibility to be aware of these changes. **Absence from class on the day changes are announced does not excuse the student from being prepared for the quiz/exam.**

**NOTE: Grade calculation will be based upon generally accepted rounding procedures. For example, if the final percentage for the course is 89.50%, the student will receive an A. If the final percentage is 89.49%, a final grade of B will be recorded.**

Your grade is based on the attainment of the percentage of the points offered in the course. The lecture portion of the course is approximately 70% of your grade. (65% from exams and 5% from chapter posttests. Exams will be a mix of objective, short answer and essay questions. The laboratory portion is approximately 30% of your grade. A lab quiz will be given each week except for weeks where a lab practical is scheduled. Two lab practical examinations will be given; one at mid term and one at the end of the semester. The logistics of setting up the lab exams preclude any make-up lab tests.

**\*PLEASE NOTE ----- It is essential for you to earn a minimum of 60% of the lecture and 60% of the laboratory points in order to pass the course.**

### **Students with Disabilities:**

FCC provides reasonable accommodations to otherwise qualified students with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973 (Section 504) and amendments. Students with disabilities who are in need of accommodations must contact the Services for Students with Disabilities (SSD) office at 301-846-2408 (A Building, Room 106A) in order to request and apply for services. The SSD office will require appropriate documentation of a disability. Questions
---

related to accommodations or services can be directed to the SSD office. Additional information related to services can be viewed at the following FCC web page: [http://www.frederick.edu/student\\_services/disability.aspx](http://www.frederick.edu/student_services/disability.aspx). If you currently receive services from the SSD office, please submit your Student Success Plan to me and make an appointment with me to discuss your accommodations and needs in class. I will hold any information you share with me in strict confidence unless you give me permission to do otherwise.