

# Biology 220: Human Anatomy & Physiology I

Fall 2009

## Regular Course Instructor:

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## Maternity Leave Replacement:

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Lecture Book: Human Anatomy & Physiology, 8<sup>th</sup> Edition, by Elaine N. Marieb, Pearson/Benjamin Cummings.

### Some considerations

1. Attendance: There is no credit for attendance. If you are not interested in the class and don't want to be there, don't come and disrupt the lecture. *However*, it may be difficult to pass the course without attending.
2. Note taking: Note taking is somewhat of an art. You have to *pay attention* to what I say in lecture and *write down the gist of it*. Don't try to write down every word I say, that will be impossible. If I go too fast, ask me to slow down.
3. Study habits: This course involves understanding many complex physiological processes and requires memorization of *hundreds (!!!)* of 'strange' words. **Getting behind is deadly**. You should plan to spend at least 6- 8 hours per week outside of class time reading the book, reviewing your notes, and practicing recalling the information to yourself as well as to your study buddies.
4. Missing exams: You have to tell me well *before* the exam if you can't attend. No-shows because of medical or family emergencies have to call me as soon as possible to make other arrangements and be prepared to show documentation from a doctor or other official. **Makeup exams will not be multiple-choice!**
5. Cheating: The *minimum* penalty for any kind of cheating on the exams is a grade of 0% (F) on that exam. This is difficult to recover from. Examples of cheating include, but are not limited to, copying from another student during an exam, altering one's exam after grading for the purpose of enhancing one's grade, use of any material or device not approved by the instructor during an exam.
6. Grading: The lecture and laboratory parts of the course each contribute 50% to your final grade in the course.

### Grades:

85 – 100%	A	excellent
73 – 84%	B	good
60 – 72%	C	average
50 – 59%	D	poor
0 – 49%	F	fail

In coordination with Disability Support Services, reasonable accommodations will be provided for qualified students with disabilities (LD, Orthopedic, Hearing, Visual, Speech, Psychological, ADD/ADHD, Health-related, and other). Please meet with me during the first week of class to make arrangements. Accommodations and alternative format print materials (large print, audio, disk or Braille) are available through Disability Support Services, located in the lower level of Lura Manor, phone number 858-3371 or email [evelyn.klimpel@minotstateu.edu](mailto:evelyn.klimpel@minotstateu.edu).

## Lecture Syllabus

<u>Date</u>	<u>Topic</u>	<u>Book Chapters</u>
Aug 26-28	Introduction, History, Overview of the Human Body	1
Aug 31 - Sep 04	Basic Chemistry	2
<b>Sep 07</b>	<b>Labor Day – No Lecture</b>	
Sep 09-11	Cell Structure and Replication	3
Sep 14-18	Cell Structure and Replication, Tissues	3, 4
Sep 21-24	Tissues, Integument	4, 5
Sep 28-30	Bone and Cartilage	6
<b>Oct 02</b>	<b>Review for Exam 1</b>	
<b>Oct 05</b>	<b>Exam 1 (15%)</b>	
Oct 07-09	Bone and Cartilage	6
Oct 12-16	Skeleton	7
Oct 19-23	Joints, Human skeletal adaptations	8
Oct 26-30	Muscle Physiology	9
Nov 02-06	Muscle Physiology	9
Nov 09	Muscle-Bone Interaction	10
<b>Nov 11</b>	<b>Veterans Day – No Lecture</b>	
<b>Nov 13</b>	<b>Review for Exam 2</b>	
<b>Nov 16</b>	<b>Exam 2 (15%)</b>	
Nov 18-20	Neurophysiology	11
Nov 23	Central Nervous System	12
<b>Nov 25</b>	<b>No Lecture</b>	
<b>Nov 27</b>	<b>Thanksgiving break – No Lecture</b>	
Nov 30 - Dec 02	Central Nervous System, Peripheral Nervous System	12, 13
Dec 07-09	Peripheral Nervous System	13, 14
<b>Dec 11</b>	<b>Final Review</b>	
<b>Dec 14</b>	<b>Monday: 2:00-3:50pm Final Exam: Comprehensive! (20%)</b>	

## Human Anatomy & Physiology I - Laboratory

Laboratory Manual: “Human Anatomy & Physiology Laboratory Manual (Main Version)” by Elaine N. Marieb and Susan J. Mitchell, 8<sup>th</sup> Edition, Pearson/Benjamin Cummings.

Missing exams: You have to tell me well *before* the exams if you can't attend. No-shows because of medical or family emergencies have to call me as soon as possible and be prepared to show documentation from a doctor or other official. Makeup lab exams will be one-on-one question sessions with me and the student.

Study habits: This material is straight memorization and practice. Unless you are some kind of genius or have a photographic memory, in order to do well, *you will have to come into lab outside of regular lab times to review the material*. Everyone can learn this material with enough repetition, even if it may seem impossible in the beginning.

Date	Topic	Exercises
<b>Aug 26</b>	<b>No Labs</b>	
<b>Aug 31/Sep 02</b>	<b>No Labs</b>	
<b>Sep 07/09</b>	<b>Labor Day, No Labs</b>	
Sep 14/16	Language of Anatomy, Organ Systems	1, 2
Sep 21/23	The Microscope, Mitosis	3, 4
Sep 28/30	Tissues	6A
<b>Oct 05/07</b>	<b>Lab Exam 1 (15%)</b>	
Oct 12/14	Integument, Bone/Cartilage	7, 9
Oct 19/21	Skeleton	10 - 12
Oct 26/28	Skeleton, Joints	10 - 13
<b>Nov 02/04</b>	<b>Lab Exam 2 (15%)</b>	
<b>Nov 09/11</b>	<b>No Labs (Veterans Day)</b>	
Nov 16/18	Muscles	14, 15
Nov 23/25	Muscles	15
Nov 30/Dec 02	Brain and Cranial Nerves, Spinal Cord	19, 21
<b>Dec 07/09</b>	<b>Lab Final, Comprehensive! (20%)</b>	

Two **extra credit questions** (each worth 0.5%) are on each midterm exam (lecture and lab). These extra credits will be added to your final grade and are not used to calculate your midterm exam grade (no double dipping). The questions come from the regular class material and can add **up to a total of 4%** that will be added to your final course grade. **No other “special credit projects” will be created for students who are unhappy with their grade.**