

BIO. 341: THE HUMAN BODY

Spring 2009

Instructor: Sandra Garver
Office: North LS 221
email: sgarver@sunstroke.sdsu.edu
Phone: 619-594-8027

Office Hours: Mon 2-3pm, Tues 11:00-12:00

REQUIRED TEXT / MATERIAL (located in Aztec Shops):

Essentials of Human Anatomy & Physiology, 9th edition, by Marieb, E. ISBN: 0321582470

(check out "Target.com" or amazon for the textbook!!)

Biology 341 - Lecture Note Supplement / Problem Set, by S. Garver

You must buy 1 "Enrollment Form" ParSCORE (6" x 11", # F-288-ERI) for enrollment in this class, and to take your **first exam**. You must also buy **3 or 4 narrow ParSCORE forms** (# F-289-ERI) for all other exams. They are available at the bookstore. A #2 pencil must be used with the parscore form.

BLACKBOARD:

Lecture notes and additional course information will be available on Blackboard.

(<https://blackboard.sdsu.edu/>)

COURSE OBJECTIVE:

The Human Body (Bio. 341) is an upper division, **non-majors**, course designed to meet the G.E. Life Science requirement. Students should be in their junior or senior year to take this course. This course should not be taken by Biology Majors, or those students required by their major to take Bio 212 (Human Anatomy).

The class meets for 1 hour 15 minutes two times a week (9:30 am - 10:45 am on T/Th).

This course is designed to guide you through an introductory-level survey of the human body and human disease. The objectives include increasing your awareness of the structure of your body, the general function of your body, and basic clinical disease terminology and examples. Successful completion of this course will improve your understanding of the human experience in health and disease, and give you insight into current advancements in medical science. You will gain some of the intellectual tools to allow you to make enlightened and intelligent decisions about maintaining your own health or the health of your loved ones.

STUDENT LEARNING OUTCOME:

Successful completion of this course will allow you to confidently identify the major organs of the eleven human body systems. It will also allow you to confidently identify the major functions of the eleven human body systems, and to confidently identify the major functions of limited body organs. You will also be able to identify a select group of major muscles, bones, and body regions. You will also be able to comfortably communicate using basic physiological, anatomical and clinical language. You will be able to apply the knowledge that you have gained over the semester toward specific clinical situations or common human diseases or disorders. The knowledge base that you gain from this course will ultimately allow you to have a greater understanding of current topics in medicine.

COURSE REQUIREMENTS:

LECTURES

Class meetings will be designed on the basis of a standard lecture format. You will be expected to take complete notes, although a basic format of notes is available in the class “**Lecture Note Supplement / Problem Set**” that you may purchase. Since exam questions will be selected from emphasized topics in the lecture, I urge you to attend all class meetings.

The *Problem Set* is a set of basic questions that could be asked about that day's lecture. Most *Problem Sets* will not have direct questions from the exam. They will, however, contain general questions to help you study for the exams. These Problem Sets are meant to enhance lectures, NOT replace lectures. **Make sure you stay for the *entire* lecture because last minute changes for studying for the exam are usually given at the end of the lecture!**

For optimal learning, it is best if you read and review assigned readings from the text prior to class meetings. As you do so, jot down any concepts you do not understand; questions are welcome during lectures as long as time permits and as long as they are relevant to the topic.

EXAMS

There will be four (4) Unit Exams and one (1) Comprehensive Final. Each of the 5 exams (including the final) is weighted equally at 100 points. **Your course grade will be based on your four(4) BEST exam scores.** Thus, your lowest exam score will be dropped from your course total average. If you are satisfied with your grade after completion of the first four exams, you may elect **NOT** to take the final exam. School policy dictates that you must still attend class.

There Are No Makeup Exams - Please do not ask!

However...

If you miss one exam, it will become the exam you drop (even for illness). If you miss more than one exam, you will receive a ZERO for each additional exam missed. The exam schedule is flexible and may be changed at my discretion, however that is rare. Please note that it is **YOUR** responsibility to know the schedule, and to find out if, and when, exam dates have been changed from the schedule.

➤➤➤➤ **If you arrive to an exam LATE, after the first person has finished the exam and left the room, you will NOT be allowed to take the exam.** <<<<

LAB EXPERIENCE

Your only bonus points opportunity!!

YOU HAVE TWO OPTIONS – CHOOSE ONE!!

① There will be a one-time optional “*Lab Experience*” opportunity that will be worth **25 bonus points**. This will allow each student to experience a lab setting for anatomy and physiology. It will include microscope use, lung machine demonstration, dissected brains, etc., as well as an OPTIONAL cadaver “tour”. The date of the “*Lab Experience*” will be listed in the “Human Body Class Schedule” received on the first day of class. Various times are offered...**PLAN AHEAD!**

➤➤ OR <<<

② **WARNING** – This costs \$\$\$. You may choose to attend the “BodyWorlds” museum experience at the San Diego Natural History Museum. This is also worth **25 bonus points**. If you choose to go to the exhibit, you will have a sheet to fill out, and your ticket stub, for proof of attendance. For more information, or to order tickets online, go to: www.sdnhm.org

GRADING:

All Grades are posted on BLACKBOARD* (<https://blackboard.sdsu.edu/>). Your final grade will be based on the points of your four(4) highest exam scores, AND 25 points from the “*Lab Experience*”. **A total of 400 points are possible.** The final grade scale is as follows:

(400+pts -337.8pts)	100.00% - 84.45%	= A
(337.7pts - 329.8pts)	84.44% - 82.45%	= B+
(329.7pts -297.8pts)	82.44% - 74.45%	= B
(297.7pts - 289.8pts)	74.44% - 72.45%	= C+
(289.7pts - 257.8pts)	72.44% - 64.45%	= C
(257.7pts - 249.8pts)	64.44% - 62.45%	= D+
(249.7pts - 217.8pts)	62.44% - 54.45%	= D
(217.7pts - 0pts)	54.44% and below	is an F.

**Please note that blackboard DOES NOT automatically drop your lowest exam score. It will only list all the points that you have earned during the semester. I will drop your lowest exam before grades are given at the end of the semester.*

BIOLOGY 341 – THE HUMAN BODY
COURSE CALENDAR SPRING 2009
T/Th 9:30 - 10:45 in HH-221

<u>DATE</u>	<u>DAY</u>	<u>TOPICS</u>	<u>CHAPTER</u>
UNIT I			
1/22	Thurs	Human Body: An Orientation	1
1/27	Tues	Terms for Disease; Basic Chemistry	Supp / 2
1/29	Thurs	Basic Chemistry	2
2/3	Tues	Cells	3 (pp 64-83)
2/5	Thurs	Tissues	3 (pp 88-108)
2/10	Tues	Cancer	Supp / Lec
2/12	Thurs	Integumentary System	4
2/17	Tues	◆ EXAM #1 ◆	◆
UNIT II			
2/19	Thurs	Skeletal System	5
2/24	Tues	Skeletal & Muscular System	5, 6
2/26	Thurs	Muscular System,	6 (pp 182-198; 206-226)
3/3	Tues	Nervous System	7 (pp 227-242)
3/5	Thurs	Nervous System	7 (pp 242-279)
3/10	Tues	Intro to Special Senses	8
3/12	Thurs	◆ EXAM #2 ◆	◆
UNIT III			
3/17	Tues	Endocrine System	9
3/19	Thurs	The Blood	10
3/24	Tues	Cardiovascular System I - Heart	11 (pp 360-374)
3/26	Thurs	Cardiovascular System II - Vessels	11 (pp 374-401)
MAR 30 – APRIL 3 <i>SPRING BREAK – NO CLASSES</i>			
4/7	Tues	Vessels & Lymphatic System	11, 12 (pp 402-415)
4/9	Thurs	AIDS / STDs (<i>Guest Speaker</i>)	Lec (pp 431-435)
4/14	Tues	Lymphatic System, Immunity	12 (pp 409-439)
4/16	Thurs	◆ EXAM #3 ◆	◆
UNIT IV			
4/21	Tues	Respiratory System	13
4/23	Thurs	No Class (<i>see Friday lab</i>)	
4/24	*Friday	Human Body Lab (8:00, 9:00, or 10:00 am)	Life Science North 223
4/28	Tues	Digestive System	14 (pp 468-493)
4/30	Thurs	Urinary System	15
5/5	Tues	Reproductive System (male)	16 (pp 544-553)
5/7	Thurs	Reproductive System (female)	16 (pp 553-582)
5/12	Tues	◆ EXAM #4 ◆	◆
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5/19	Tues	FINAL EXAM (cumulative) : 10:30 am - 12:30 pm in HH-221	
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