

**University of Southern California – Department of Biological Sciences**  
**Human Biology 301L – Human Anatomy (4 units)**  
**Spring 2017**

**Instructor:** Trond Sigurdson, Ph.D.  
**Office Hours:** Monday 11:30am-2:30pm (ZHS 256)  
**Email:** [sigurdse@usc.edu](mailto:sigurdse@usc.edu)

**Lecture:** Monday, Wednesday, Friday 10:00-10:50 am; THH 102 (Taper Hall of Humanities)

**Laboratory:** PED B7 (Physical Education Building)

**Course Description:**

Introduction to the fundamental concepts of human anatomy and functional anatomy, elucidated by our knowledge of development and evolution. We will also cover the basics of tissues and the major organ systems of the body.

**Learning Objectives:**

1. To develop a basic knowledge of the human gross anatomy, and the interrelationships between human organ systems.
2. To gain understanding of the interrelationship of human form and function.
3. To place human anatomy into an evolutionary context. The development of organ systems will also be covered.

**I. Texts (Required):**

- 1) **Human Anatomy.** 8<sup>th</sup> edition, Marieb, E. N., Wilhelm, P. B., and J. Mallatt. Pearson Benjamin Cummings, San Francisco, CA, 2014.
- 2) **Human Anatomy Laboratory Manual.** Matveyenko, M. A. B., and E. M. Kolb.

**II. Grading Outline:**

25%	Midterm 1
25%	Midterm 2
25%	Midterm 3
25%	Lab

▪ A request to take a make-up exam must be accompanied by evidence of a university-sanctioned excused absence (i.e.: letter from a doctor, athletic release) preferably before the date of the scheduled exam. Make-up exams will be different from the scheduled exam (e.g., essay) and may be proctored by personnel who do not have extensive knowledge in the area being tested.

**III. Laboratory Component**

**Lab Director:** Emi Embler, Ph.D. (eembler@usc.edu)

**Lab Instructors:** Tamara Espinet (espinet@usc.edu); Matthew Winchester (mpwinche@usc.edu); Christopher Ramos (rchristo@usc.edu).

#### **IV. Lectures**

It is very important to attend lectures. Lectures will occasionally cover subjects that are not mentioned in the books.

#### **Tentative Lecture Schedule:**

The schedule may change during the semester. Students will be informed of this in lectures.

<b>Date</b>	<b>Lecture Topic</b>	<b>Marieb</b>
Jan. 9	Introduction / Body Orientation	Ch. 1
Jan. 11	Body Orientation and Ontogeny/Embryology	Ch. 1-3
Jan. 13	Ontogeny/Embryology	Ch. 1-3
Jan. 16	<b>No Lecture, MLK Day</b>	Ch. 4
Jan. 18	Tissues/Integument	Ch. 5
Jan. 20	The Skeletal System	Ch. 6
Jan. 23	The Skeletal System	Ch. 6
Jan. 25	Joints / Articulations	Ch. 6-9
Jan. 27	The Axial Skeleton	Ch. 6-9
Jan. 30	The Axial Skeleton	Ch. 6-9
Feb. 1	The Axial Skeleton	Ch. 6-9
Feb. 3	The Appendicular Skeleton	Ch. 6-9
Feb. 6	The Appendicular Skeleton	Ch. 6-9
Feb. 8	The Appendicular Skeleton	Ch. 6-9
Feb. 10	Review Session	
Feb. 13	<b>MIDTERM I</b>	Ch. 10-11
Feb. 15	The Muscular System	Ch. 10-11
Feb. 17	The Muscular System	Ch. 10-11
Feb. 20	<b>No Lecture, President's Day</b>	
Feb. 22	The Muscular System	Ch. 10-11
Feb. 24	The Muscular System	Ch. 10-11
Feb. 27	The Muscular System	Ch. 10-11
Mar. 1	Nerves and the Nervous System	Ch. 12
Mar. 3	Nerves and the Nervous System	Ch. 12
Mar. 6	The Central Nervous System (CNS)	Ch. 13
Mar. 8	The Central Nervous System (CNS)	Ch. 13
Mar. 10	The Peripheral Nervous System (PNS)	Ch. 14
Mar. 12-19	<b>No Lecture, Spring Recess</b>	
Mar. 20	The Autonomic Nervous System	Ch. 15
Mar. 22	Special Senses	Ch. 16
Mar. 24	Special Senses	Ch. 16
Mar. 27	<b>MIDTERM II</b>	
Mar. 29	The Endocrine System	Ch. 17
Mar. 31	Blood	Ch. 18,19,20

Apr. 3	The Heart	Ch. 18,19,20
Apr. 5	Blood Vessels / The Lymphatic System	Ch. 18,19,20
Apr. 7	Blood Vessels / The Lymphatic System	Ch. 18,19,20
Apr. 10	The Lymphatic and Immune Systems	Ch. 21
Apr. 12	The Respiratory System	Ch. 22
Apr. 14	The Respiratory System	Ch. 22
Apr. 17	The Digestive System	Ch. 23
Apr. 19	The Digestive System	Ch. 23
Apr. 21	The Urinary System	Ch. 24
Apr. 24	The Reproductive System	Ch. 25
Apr. 26	The Reproductive System	Ch. 25
Apr. 28	Review Session	
May 8	<b>FINAL EXAM (8 am)</b>	

#### **V. Academic Accommodations:**

Any student requesting academic accommodations based on a disability are required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (the instructor) as early in the semester as possible. DSP is located in Student Union (STU) 301 and is open 8:30-5:00pm Monday – Friday. The phone number for DSP is (213) 740-0776.

#### **VI. Academic Integrity:**

Students who violate University standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the University. Since dishonesty in any form harms the individual, other students and the University, academic integrity policies will be strictly enforced. I expect you will familiarize yourself with the Academic Integrity guidelines found in the current SCampus.

#### **VII. Academic Integrity Violations:**

- Academic dishonesty/misconduct (plagiarism, cheating, unauthorized collaboration, etc.) will not be tolerated. All academic integrity violations will result in a grade sanction and will be reported to the Office for Student Judicial Affairs. It is your responsibility to reasonably protect your own work from the plagiarism of others.
- If plagiarism is detected on a group project, all members of the group may be held responsible.
- You are expected to be familiar with the Academic Integrity guidelines found in the current SCampus (student guidebook). An electronic version is available at <http://usc.edu/scampus>.

#### **VIII. Disruptive and Threatening Student Behavior:**

Behavior that persistently or grossly interferes with classroom activities is considered disruptive behavior and may be subject to disciplinary action. Such behavior inhibits other students' ability to learn and an instructor's ability to teach. A student responsible for disruptive behavior may be required to leave class pending discussion and resolution of the problem and may be reported to the Office of Student Judicial Affairs for disciplinary action.

#### **IX. Blackboard**

Important information concerning lectures, labs, and exams will be periodically posted on blackboard. It is therefore important to check for updates on BB regularly.