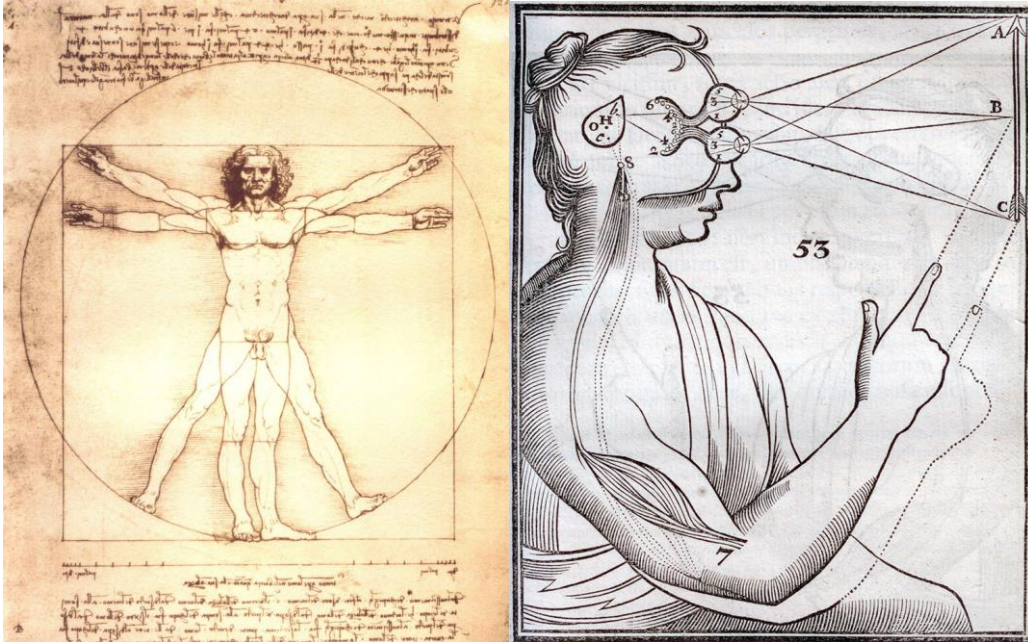


**BISC-104 (How the Body Works) Lecture Syllabus**  
University of Southern California (USC), Fall 2024  
Section 13001, 4 units (Satisfies General Education D requirement)



One of Leonardo Da Vinci's most famous contributions to the field of human anatomy was his drawing of the "Vitruvian Man", which represents his perspective on the proportions of the human body, and includes handwritten notes based on the work of the Roman architect Vitruvius. One of Da Vinci's contemporaries, French philosopher and polymath René Descartes, believed that the "seat of consciousness" in the human brain was in the geographic center of the skull, which roughly corresponds to the diencephalon. This hypothesis was visualized in his now famous sketch that serves as the cover for the modern printing of the "Treatise of Man".

Left Image: [The Vitruvian Man](#), Right Image: [Cover of Treatise of Man](#)

**Lecture Days and Times:** Mondays, Wednesdays and Fridays (MWF) from 1:00 - 1:50 pm

**Lecture Location:** [Zumberge Hall of Sciences \(ZHS\)](#) Room 159, also simulcast and recorded via Zoom

**Lecture Zoom Information:**

- [Meeting ID:](#) 995 7332 0132
- [Meeting Passcode:](#) 2024104
- [Meeting Link](#)

**Lecturer:** Rita Barakat ["REE-duh BEAR-uh-cat", *she/ her*], PhD, [rbarakat@usc.edu](mailto:rbarakat@usc.edu)

**Office Hours:** Thursdays from 1:30 - 3:00 pm in [Seeley G. Mudd \(SGM\)](#) Room 722, OR by appointment in-person or via Zoom (appointments must be made *at least 24 hours in advance* through [Google Appointment Calendar](#))

**Laboratory Director:** Michael Moore, PhD, [moore@usc.edu](mailto:moore@usc.edu)

**Office Hours:** Open-door policy (drop in any time during regular business hours) in [Zumberge Hall of Sciences \(ZHS\)](#) Room 371

**Teaching Assistants:**

- **TBD, Office Hours:**
- **TBD, Office Hours:**

**Lab Sections:**

- Tuesdays from 10:00 - 11:50 am and 2:00 - 3:50 pm in ZHS 372
- Wednesdays from 10:00 - 11:50 am and 2:00 - 3:50 pm in ZHS 372
- Thursdays from 10:00 - 11:50 am and 2:00 - 3:50 pm in ZHS 372

**Information Technology (Dornsife ITS) Hours and Website:** Monday - Friday from 9:00 am - 5:00 pm, [Dornsife ITS](#)

## Course Description

The overarching goal of this general education (GE) course is to provide undergraduate students with an introduction to and appreciation for the complexity and emergent properties of human anatomy and physiology. While there are no specific prerequisites for this course, general knowledge of high school-level biology and chemistry is helpful. Please note that this course is not designed for students majoring in biology or related health science disciplines. BISC-104 does not satisfy the requirements for pre-health admissions, and those intending to or currently majoring in a health sciences field should consider enrolling in BISC-307, a more in-depth review of human anatomy and physiology designed for biology and pre-health majors.

**Prerequisites and Corequisites:** None

**Concurrent Enrollment:** None

**Recommended Preparations:** High school-level biology and chemistry

## Learning Objectives

By the end of the semester, students will be able to:

- **Describe** the general mechanisms that facilitate the function of major human physiological systems.
- **Summarize** the types of cellular communication mechanisms that work to maintain homeostasis.
- **Identify** key anatomical structures and landmarks in various organ systems, and their associated functions.
- **Explain** the ways in which genetic and environmental factors can influence underlying physiology and ultimately, human health.

**Textbook (Recommended):** [\*Visualizing Human Biology \(5<sup>th</sup> Edition\)\*](#), by Kathleen Ann Ireland. Published by Wiley, ISBN: 978-1-119-39826-4.

## Assigned Readings

All assigned readings listed on the course syllabus are recommendations, but are not required readings. Exam questions will not be based on information that is only included in the textbook, though information presented in lectures will be aligned to and overlap with information included in these assigned readings.

## Course Notes and Lecture Structure

All lectures will be held in-person in ZHS 159 at the specified days/ times unless otherwise noted in the lecture calendar (at the end of this document). Lectures will also be streamed live and recorded via Zoom, and the Zoom meeting information will be made available on the course Brightspace page (see *Technology* section for more information). All lectures will be recorded and automatically made available via the course Brightspace page within 24 hours of the live lecture broadcast. The instructor is not responsible for any technical errors that may result in loss of a lecture recording, and lectures will not be re-recorded in the event of a technical issue. Therefore, it is in the students' best interest to attend all lectures live in-person unless unable to do so due to illness or another documented reason (such as a family emergency or professional opportunity).

Any recurring schedule conflicts with live lectures require a formal petition from the Registrar's Office and must be approved by the course instructor. Please contact the course instructor and lab director if you anticipate that you will have this kind of conflict with the lecture or laboratory portions of the course. Lecture slides, exam review materials and any other pertinent digital materials will be made available on the course Brightspace page at least 24 hours in advance of when they will be utilized.

## Technology

This course is utilizing the university's new Learning Management System (LMS), [D2L Brightspace](#), which has now replaced Blackboard as the university-wide LMS. Prior to the start of the course, please make sure that you have access to the lecture and laboratory Brightspace pages, and that you take some time to familiarize yourself with the Brightspace platform. Follow the instructions below to log in to Brightspace, and should you have any questions or concerns, we encourage you to contact the course instructor and/ or the Brightspace ITS team (at [brightspace@usc.edu](mailto:brightspace@usc.edu), or call (213) 740-5555, choose option 2 then 2).

### Brightspace Login Instructions

1. Go to <https://brightspace.usc.edu/d2l/login>
2. Enter your USC Net ID to access your organization homepage
3. Begin navigating through Brightspace

We also encourage you to download the mobile app, *Brightspace Pulse*, available in both the Apple App Store and through Google Play.

A computer with stable internet access and the latest version of [Zoom](#) installed are strongly recommended for full participation in this course. If you have any questions, comments or concerns regarding these technological requirements, please contact the course instructor, lab director and if necessary, [Information Technology Services](#) (ITS, [consult@usc.edu](mailto:consult@usc.edu)) as soon as possible so that we can help to accommodate your needs.

### Assessments

#### Group Presentation

Throughout the semester, students will work in groups of 3 - 4 to conduct independent research using validated primary and secondary literature sources on a physiology topic of their choice (this topic must be approved by the course instructor and teaching assistant for the students' assigned laboratory section in order for students to proceed with their research). Intermediate assignments will be administered and evaluated by the teaching assistants (as part of the laboratory section of the course) to ensure that students are proceeding with their research accordingly. Please see the table below for a description of these intermediate assignments.

Group Presentation Assignments		
Assignment	Points	Due Date
Topic Summary	10	Friday, 9/20 at 11:59 pm
Literature Citations	10	Friday, 10/25 at 11:59 pm
Group Presentation	60	During lab sections in Week 15 (12/2 - 12/6)

The group presentation slides must be submitted through the laboratory Brightspace page at least 24 hours before the presentation will be given, and must include appropriate (APA 7-formatted) citations. All presentations will be screened for plagiarism and/ or use of generative Artificial Intelligence (AI) technologies. Any indication that plagiarism and/ or AI use occurred will result in a score of zero on the presentation for all group members, as well as potential disciplinary action (see *Academic Integrity* section below for more information).

#### Exams

The four lecture exams will be based on content presented in the lecture portion of the course, and content covered only in the laboratory section and/ or in the textbook reading assignments will not be tested. Students will be permitted to use a hand-written, single-sided 8.5" x 11" cheat sheet on each exam.

While the exams are not strictly "cumulative", the nature of the course content is such that understanding of foundational concepts presented early in the course will be necessary for understanding future topics. Thus, it is recommended that you

review select topics from previous sections of the course prior to each exam. All four exams are weighted equally towards calculation of the final course grade, and will follow the same format. Each exam will consist of multiple choice, true or false, fill-in-the-blank and short answer questions.

Exams will take place in-person in ZHS 159 (unless students with OSAS-approved accommodations reserve to take their exams at the OSAS Testing Center, or in the laboratory room, ZHS 372). Students with [Office of Student Accessibility \(OSAS\)](#) Letters of Accommodation are responsible for providing these letters to the instructor and laboratory manager in a timely manner, and to schedule to take their exams at the [OSAS Testing Center](#) at the same starting time as the main exam cohorts.

**Please mark the following dates and times for the four lecture exams in your calendar.**

Lecture Exam 1: Friday, 9/20 from 1:00 – 1:50 pm (PT)

Lecture Exam 2: Friday, 10/18 from 1:00 – 1:50 pm (PT)

Lecture Exam 3: Wednesday, 11/13 from 1:00 - 1:50 pm (PT)

Lecture Exam 4 (Final Exam): Wednesday, 12/18 from 11:00 am - 12:30 pm (PT)

See the *Absences, Extensions and Make-ups* section below for more information on the administration of lecture exams and for examples of excused exam absences.

### Laboratory

Please make sure to review the associated *Laboratory Course Syllabus* (to be posted on the laboratory section course Brightspace page) to ensure that you have all the necessary information and materials for the lab portion of the course. In-person attendance in the laboratory section of the course is mandatory, and failure to attend lab sections will result in a significant loss of laboratory section points.

Any foreseeable conflict(s) with laboratory sections should be indicated to the course lab director (Dr. Michael Moore, [moore@usc.edu](mailto:moore@usc.edu)), and the teaching assistant for your section in writing as soon as possible to avoid loss of points.

### Grading Breakdown and Curving

Your overall course grade will be broken down into the following categories/ point values, for a total of *500 points*. There are no extra credit opportunities in this course (unless otherwise noted), so please do not ask about them.

Course Grading Breakdown			
Deliverable	Quantity	Points per Deliverable	Total Points
Lecture Exams	4	80	320
Group Presentation	1*	80	80
Laboratory Section			100
<b>COURSE TOTAL:</b>			<b>500</b>

\* Includes intermediate assignments

It is not our intention to curve course grades, however, a curve may be applied to final grades depending on the grade distribution. Please note that any advisory curves posted throughout the term are not indicative of the final course grades, as these curves will vary based on overall course performance on individual exams and in the laboratory sections. For your reference, please refer to the standard grading scale for determining uncurved final course grades.

Standard (Uncurved) Grading Scale		
Percentage of Points	Letter Grade	GPA
93% or higher	A	4.0
90 - 92%	A-	3.7
87 - 89%	B+	3.3
83 - 86%	B	3.0
80 - 82%	B-	2.7
77 - 79%	C+	2.3
73 - 76%	C	2.0
70 - 72%	C- (PASS)	1.7
67 - 69%	D+	1.3
63 - 66%	D	1.0
60 - 62%	D-	0.7
59% or lower	F	0.3 or lower

## Communication

If you ever need to communicate with the course instructor outside of class, please visit during scheduled office hours, or you can send an email with your name and "BISC-104" in the subject line to [rbarakat@usc.edu](mailto:rbarakat@usc.edu) to share written inquiries. All emails sent after 6:00 pm (PT) may not receive a response until the following day. In general, all emails sent during a weekday (Monday - Friday) will receive a response within 24 hours, and all emails sent during a weekend (Saturday - Sunday) will receive a response within 48 hours, with some exceptions for holidays.

It is strongly recommended that you check in with the course instructor and/ or lab director at least once throughout the semester in office hours, and we recommend that you set up an appointment at least 24 hours in advance to best accommodate your schedule. Questions about grading should only be directed to the instructor or lab director, not the teaching assistant.

## Absences, Extensions and Make-ups

**Please read this section carefully, and if you have any questions about these policies, do not hesitate to reach out to the instructor ([rbarakat@usc.edu](mailto:rbarakat@usc.edu)) and the laboratory manager ([moore@usc.edu](mailto:moore@usc.edu)).**

There are absolutely no extensions, make-up exams or make-up lab assignments in this course, except in the case of certain extenuating (and documented) circumstances.

- If you miss one exam in the course for a valid (documented) reason, your exam grade will be an average of your other three exam scores. Otherwise, you will receive a zero for the missed exam.
- If you miss the final exam in the course, you will receive an Incomplete (IN) grade for the course.
- If you miss two or more exams for valid (documented) reasons, you will receive an Incomplete (IN) grade for the course.
- An extension on completion of a laboratory assignment and/ or the research paper may be granted in the case of unique (and documented) circumstances, and this is at the discretion of the instructional team.

## Incompletes

Regarding Incompletes (IN) in the course, these must be resolved within one calendar year of when you originally enrolled in the course and do not require you to re-enroll in the course in order to make up missed work. Students are expected to coordinate with the instructor and laboratory manager to determine the most appropriate timeline for making up any and all missed work in order to resolve the Incomplete. It is strongly recommended that students do not postpone making up missed work and also seek guidance from their academic advisor during this process.

## Illness

As we will be conducting the course in-person, it is important that you follow the guidelines below as it relates to your physical health and well-being. Despite the lack of restrictive public health policies and requirements in-place, COVID-19 and other infectious diseases are still prevalent in the community, so in order to protect yourself and your classmates, please make sure to do the following:

- If you feel sick, notify the lab manager and teaching assistant via email *immediately* and *do not attend the lecture or laboratory sections in-person*.
- Explain your *valid reason* for being absent (physical/ mental health-related or family emergency) and include relevant documentation to verify your illness or injury. Please note that the [Student Health Center](#) does not provide doctor's notes for illness, however, you can fill out the [Self-Verification Form](#) available on their website and in-person to attest to your illness.
- Provide information about how you intend to *stay on top of the information* presented in the section(s) you missed (i.e. scheduling a visit for office hours with the instructor, lab manager and/ or teaching assistant).

## **Policy Concerning Student Athletes**

Student-athletes may not be penalized when University-sanctioned competitions conflict with course activities or examinations. When a class will be missed for a sanctioned competition, it is the student athlete's responsibility to approach the instructor in advance. The student-athlete must provide the instructor with a letter from the Director of [Student Athlete Academic Services \(SAAS\)](#). The letter must certify that the competition is a University-sponsored event that deserves accommodation. Accommodations will not be made for other types of conflicting events. Details on the University's policy can be found on the [Website of the Provost](#).

Arrangements for the accommodation must be agreed upon in advance of the event. If multiple team members will be absent, each must make an individual arrangement with the instructor. If an assignment is due on the date when class is missed, the instructor may require that it be turned in before the missed class or at the first class meeting after the student returns. If a test has been scheduled for the date when class is missed, the instructor may arrange with SAAS to have the test administered by an academically qualified proctor (not a coach) during the trip. Alternatively, the instructor may agree to prorate the exam score (substitute the missing exam score with a score based on the average of the student's scores for the other exams compared to the class average for those exams).

## **Diversity, Equity and Inclusion**

The BISC-104 instructional team takes issues regarding diversity, equity and inclusion very seriously when it comes to curricula, student engagement and beyond. As a result, we expect you to be kind, courteous, patient and open-minded at all times during your participation in this course, and to be empathetic towards your peers and instructors, as their lived experiences and beliefs may differ from yours but are equally important and valid. If you or a colleague in the course is concerned about any harassment, discrimination or any other troubling behavior, please notify the course instructor and/ or lab director immediately. In addition, the [Student Health Center](#), the [Office of the Ombuds](#) and the [Office for Equity, Equal Opportunity and Title IX \(EEOTIX\)](#) are all resources available to you to address issues related to harassment and discrimination of any kind.

## **Special Accommodations**

If you require any special accommodations (including, but not limited to: closed captions during laboratory sections via Zoom/ Google Slides, additional time to complete written exercises and assessments, alternative assignments due to a physical or mental/ psychological condition, etc.), please let the course instructor and laboratory manager know so we can do our best to accommodate your needs. In addition, please ensure that you are registered with the [Office of Student Accessibility Services \(OSAS\)](#) so that your accommodations are met in a timely manner.

### **Emergency Preparedness / Course Continuity**

If an officially-declared emergency makes travel to campus infeasible, [USC Emergency Information](#) will provide information related to safety and course continuity. We expect that instruction will be continued by means of Blackboard, teleconferencing, and other technologies. Alternative assignments may be given if classes are canceled for prolonged periods. If you have not already done so, please register with [TrojansAlert](#) to facilitate communication during emergencies.

### **Academic Integrity**

There is a zero-tolerance policy for any cheating or plagiarism of any kind in this course. Those who are caught engaging in this breach of academic conduct will automatically receive a zero grade for the assignment in question, and potentially other consequences as dictated by [USC Code of Ethics](#).

The University of Southern California is foremost a learning community committed to fostering successful scholars and researchers dedicated to the pursuit of knowledge and the transmission of ideas. Academic misconduct is in contrast to the university's mission to educate students through a broad array of first-rank academic, professional, and extracurricular programs and includes any act of dishonesty in the submission of academic work (either in draft or final form).

This course will follow the expectations for academic integrity as stated in the [USC Student Handbook](#). All students are expected to submit assignments that are original work and prepared specifically for the course/section in this academic term. You may not submit work written by others or "recycle" work prepared for other courses without obtaining written permission from the instructor(s). Students suspected of engaging in academic misconduct will be reported to the Office of Academic Integrity.

Other violations of academic misconduct include, but are not limited to, cheating, plagiarism, fabrication (e.g., falsifying data), knowingly assisting others in acts of academic dishonesty, and any act that gains or is intended to gain an unfair academic advantage.

The impact of academic dishonesty is far-reaching and is considered a serious offense against the university and could result in outcomes such as failure on the assignment, failure in the course, suspension, or even expulsion from the university.

For more information about academic integrity see the student handbook or the [Office of Academic Integrity's website](#), and university policies on [Research and Scholarship Misconduct](#).

### **Statement on use of Generative AI**

Since analytical and critical thinking skills are part of the learning outcomes of this course, all assignments should be prepared by the student working individually or in groups. Students may not have another person or entity complete any substantive portion of the assignment. Developing strong competencies in these areas will prepare you for a competitive workplace. Therefore, using AI-generated tools is prohibited in this course, will be identified as plagiarism, and will be reported to the Office of Academic Integrity.

### **Course Content Distribution and Synchronous Session Recordings Policies**

USC has policies that prohibit recording and distribution of any synchronous and asynchronous course content outside of the learning environment.

Recording a university class without the express permission of the instructor and announcement to the class, or unless conducted pursuant to an Office of Student Accessibility Services (OSAS) accommodation. Recording can inhibit free discussion in the future, and thus infringe on the academic freedom of other students as well as the instructor. ([Living our Unifying Values: The USC Student Handbook](#), page 13).

Distribution or use of notes, recordings, exams, or other intellectual property, based on university classes or lectures without the express permission of the instructor for purposes other than individual or group study. This includes but is not limited to providing materials for distribution by services publishing course materials. This restriction on unauthorized use also applies to all information, which had been distributed to students or in any way had been displayed for use in relation to the class, whether obtained in class, via email, on the internet, or via any other media. ([Living our Unifying Values: The USC Student Handbook](#), page 13).

## **Support Systems and Resources**

[Counseling and Mental Health](#) - (213) 740 - 9355 – 24/7 on call

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.

[988 Suicide and Crisis Lifeline](#) - 988 for both calls and text messages – 24/7 on call

The 988 Suicide and Crisis Lifeline (formerly known as the National Suicide Prevention Lifeline) provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week, across the United States. The Lifeline consists of a national network of over 200 local crisis centers, combining custom local care and resources with national standards and best practices. The new, shorter phone number makes it easier for people to remember and access mental health crisis services (though the previous 1 (800) 273 - 8255 number will continue to function indefinitely) and represents a continued commitment to those in crisis.

[Relationship and Sexual Violence Prevention Services \(RSVP\)](#) - (213) 740 - 9355 (WELL) – 24/7 on call

Free and confidential therapy services, workshops, and training for situations related to gender- and power-based harm (including sexual assault, intimate partner violence, and stalking).

[Office for Equity, Equal Opportunity, and Title IX \(EEO-TIX\)](#) - (213) 740 - 5086

Information about how to get help or help someone affected by harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants.

[Reporting Incidents of Bias or Harassment](#) - (213) 740 - 5086 or (213) 821 - 8298

Avenue to report incidents of bias, hate crimes, and microaggressions to the Office for Equity, Equal Opportunity, and Title for appropriate investigation, supportive measures, and response.

[The Office of Student Accessibility Services \(OSAS\)](#) - (213) 740 - 0776

OSAS ensures equal access for students with disabilities through providing academic accommodations and auxiliary aids in accordance with federal laws and university policy.

[USC Campus Support and Intervention](#) - (213) 740 - 0411

Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

[Diversity, Equity and Inclusion](#) - (213) 740 - 2101

Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

[USC Emergency](#) - UPC: (213) 740 - 4321, HSC: (323) 442 - 1000 – 24/7 on call

Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.



[USC Department of Public Safety](#) - UPC: (213) 740 - 6000, HSC: (323) 442 - 1200 – 24/7 on call  
Non-emergency assistance or information.

[Office of the Ombuds](#) - UPC: (213) 821 - 9556, HSC: (323) 442 - 0382

A safe and confidential place to share your USC-related issues with a University Ombuds who will work with you to explore options or paths to manage your concern.

[Occupational Therapy Faculty Practice](#) - (323) 442 - 2850 or [otfp@med.usc.edu](mailto:otfp@med.usc.edu)

Confidential Lifestyle Redesign services for USC students to support health promoting habits and routines that enhance quality of life and academic performance.

Lecture Calendar ( <i>subject to change</i> )				
Week #	Lecture #	Dates	Topic(s)	Recommended Readings

1	1	Monday, 8/26	Course Overview and History of the Field		
	2	Wednesday, 8/28	Organization of the Human Body	Chapters 1 - 2	
	3	Friday, 8/30	A (brief) Chemistry Review	Chapter 3	
2		Monday, 9/2	<b>Labor Day (No Lecture)</b>		
	4	Wednesday, 9/4	Macromolecules	Chapter 3	
	5	Friday, 9/6	Cell Structure and Function	Chapter 4	
3	6	Monday, 9/9	Chemical Signaling Messengers		
	7	Wednesday, 9/11	Body Tissues	Chapter 5	
	8	Friday, 9/13	Bones and Joints	Chapter 6	
4	9	Monday, 9/16	Musculoskeletal System		
		Wednesday, 9/18	<b>Lecture Exam 1 Review</b>		
		Friday, 9/20	<b>Lecture Exam 1 (Lectures 2 - 9, Chapters 1 - 6)</b>		
5	10	Monday, 9/23	Muscle Contraction	Chapter 6	
	11	Wednesday, 9/25	The Action Potential	Chapter 7	
	12	Friday, 9/27	Synaptic Transmission		
6	13	Monday, 9/30	Organization of the Nervous System		
	14	Wednesday, 10/2	Your Brain on Drugs		
	15	Friday, 10/4	The Special Senses	Chapter 8	
7	16	Monday, 10/7	The Chemical Senses		
	17	Wednesday, 10/9	The Visual System (Part 1)		
		Friday, 10/11	<b>USC Fall Recess (No Lecture)</b>		

8	18	Monday, 10/14	The Visual System (Part 2)	Chapter 8
		Wednesday, 10/16	<b>Lecture Exam 2 Review</b>	
		Friday, 10/18	<b>Lecture Exam 2 (Lectures 10 - 18, Chapters 6 - 8)</b>	
9	19	Monday, 10/21	The Immune System	Chapters 9 - 10
	20	Wednesday, 10/23	The Cardiovascular System	Chapter 12
	21	Friday, 10/25		
22	Monday, 10/28			
10	23	Wednesday, 10/30	The Respiratory System	Chapter 13
	24	Friday, 11/1		
	25	Monday, 11/4		
11	26	Wednesday, 11/6	The Digestive System and Nutrition	Chapters 14 - 15
		Friday, 11/8	<b>Lecture Exam 3 Review</b>	
		Monday, 11/11	<b>Veterans Day (No Lecture)</b>	
12		Wednesday, 11/13	<b>Lecture Exam 3 (Lectures 19 - 26, Chapters 9 - 15)</b>	
	27	Friday, 11/15	The Renal System	Chapter 16
	13	28	Monday, 11/18	The Endocrine System
29		Wednesday, 11/20		
30		Friday, 11/22	The (Male) Reproductive System	Chapter 18
14	31	Monday, 11/25	<b>Pre-recorded Lecture:</b> The (Female) Reproductive System	
		Wednesday, 11/27	<b>Thanksgiving Holiday (No Lecture)</b>	

		Friday, 11/29		
15	32	Monday, 12/2	Fertilization and Pregnancy	Chapter 19
	33	Wednesday, 12/4	Genetics and Biotechnology	Chapter 20
		Friday, 12/6	<b>Lecture Exam 4 Review</b>	
16		Wednesday, 12/18	<b>Lecture Exam 4 (Lectures 27 - 33, Chapters 16-20)</b>	

Important Registration Deadlines	
Friday, 9/13	Last day to register and add classes, last day to drop classes without mark of "W", last day to change enrollment option to "Pass/ Not Pass", last day to purchase or waive tuition refund insurance.
Friday, 10/11	Last day to drop a course without the mark of "W" on official transcript only, last day to change a "Pass/ Not Pass" option to letter grade.
Friday, 11/15	Last day to drop a class with a mark of "W".