

## Course Syllabus

# BIO105-01 Anatomy and Physiology I

Western Connecticut State University  
Department of Biological and Environmental Sciences

### Fall 2018

**Lecture Section 01:** Tuesday/Friday 8:00-9:15am

**Lecture Location:** SB125

**Instructor:** Dr. Joshua Cordeira

**Office:** Science Building, SB 238

**Office phone:** (203) 837-8940

**Email:** [CordeiraJ@wcsu.edu](mailto:CordeiraJ@wcsu.edu)

**Office Hours:** Mon/Tues/Wed/Fri 9:15-10:30am \*or by appointment

### **Course Description:**

This course is the first half of a two-semester course providing an introduction to the structure and function of the human organism. Topics covered include: the integumentary, skeletal, muscular, and nervous systems. Laboratory exercises complement the lecture material.

**Student Learning Outcomes:** Upon successful completion of Human Anatomy and Physiology I, the student should be able to:

1. Identify the major anatomical structures of the integumentary, skeletal, muscular, and nervous systems
2. Discuss the physiology of the integumentary, skeletal, muscular, and nervous systems
3. Relate the biological structure and function of the integumentary, skeletal, muscular, and nervous systems
4. Identify anatomical features of the integumentary, skeletal, muscular, and nervous systems on microscope slides, plastic models, and preserved tissues
5. Recognize the role of evolution in shaping anatomical structures and physiological functions

**Scientific Inquiry Learning Outcomes:** Upon completion of the scientific inquiry competency, students will be able to:

1. Develop research questions or hypothesis through induction or deduction;
2. Design a strategy to test or address the hypothesis or research question;
3. Implement the research design strategy with faculty oversight;
4. Interpret the results within the context of the discipline;
5. Effectively communicate and defend outcomes 1-4.

### **Course Materials:**

#### **Required**

- Turning Technologies Response Card NXT device
- Laboratory safety goggles
- Visible Body Lab Courseware

#### **Recommended**

- Human Anatomy & Physiology 11<sup>th</sup> Edition, (Marieb & Hoehn)
- Human Anatomy & Physiology Laboratory Manual 12<sup>th</sup> Edition, (Marieb & Smith)

*\*See handout for more details about course materials.*

*\*Although the textbook and lab manual are not required, I still believe it is a great resource. Even I like to keep one at my desk for reference. I highly recommend getting one. Save money with an older edition.*

### **Other course materials:**

Blackboard Learn will be used to provide you with additional course materials including:

Announcements	Study guides	Worksheets
Lecture PowerPoints	Practice Exams	Grade
Supplemental Videos	Homework	

### **Attendance:**

You are expected to attend lecture (and lab) according to your assigned course sections. Attendance will be verified with the use of Response Cards during lecture quizzes. If you miss lecture for any reason, you will miss important announcements, reminders, quizzes, and notes. Material or quizzes missed due to absence cannot be made up.

### **Classroom Conduct:**

*Disruptive behavior* during lecture will not be tolerated and may result in expulsion from class and the loss of quiz points. *Disruptive behavior* includes (but is not limited to):

- Arriving late and leaving early
- Inappropriate use of cell phones, tablets, or laptops during class.
- Eating/drinking (only water is allowed)
- Talking (when not taking quizzes)
- Video recording lectures (sound recording is allowed)

### **Academic dishonesty:**

Cheating and/or other violations of the University Policy on Academic Integrity (including but not limited to: fabrication, tampering, plagiarism) will not be tolerated. Failure to abide by policy standards may result in no credit for the submitted work, an F for the course, and suspension/expulsion from the University.

### **Grading Policies:**

- Your final grade will be based on your *combined* performance in lecture and lab by summing all points for exams, assignments etc. as dictated by the formula below.
- You will only receive one final grade for this course, which will be based on your *combined* performance in lecture and lab. In other words, the grades reported on your transcript will be the same for lecture and for lab.
- **A final grade of C- or better in BIO105 is a prerequisite for BIO106.**

\*Please note HPX or Nursing may NOT accept a grade of C- in their programs.

### **Grades Calculation:**

		<u>Points Possible</u>
<b>Lecture</b>		
Exams (best 4 of 5, 100 pts each)		400
Homework (best 10 of 11, 15 pts each)		150
Quizzes: Part I (>25, 1pt each)		25
Part II (>25, 1pt each)		25
<b>Lecture Total:</b>		<b>600</b>
<b>Lab</b>		
Lab quizzes/inquiries (best 10 of 11, 20 pts each)		200
Lab exams (2 x 100 pts each)		200
<b>Lab Total:</b>		<b>400</b>
<b>Course Total:</b>		<b>1,000</b>

<b>Grades</b>	<b>Points</b>
A	933 – 1,000
A-	900 – 932
B+	867 – 899
B	833 – 866
B-	800 - 832
C+	767 – 799
C	733 - 766
C-	700 – 732
D+	667 – 699
D	633 – 666
D-	600 – 632
F	Less than 600

### Lecture Exams:

- Lecture Exams will count for a total of 400 possible pts.
  - Lecture Exams 1-4: 2 pts x 50 multiple choice questions = 100 pts
  - Lecture Exam 5 = Comprehensive Final exam: 1 pt x 100 multiple choice questions = 100 pts
- Only the highest 4 of 5 exam scores will be counted; the lowest exam score will be dropped.
- No make-up exams will be granted. Thus, if you miss an exam you must take the final.
- Exams must be taken using your **Response Card NXT**. Failure to bring your Response Card to class on an exam day will result in the loss of 5 points from that exam.
- You may not take an exam if you are more than 20 minutes late for class.
- Book bags, notes, electronics etc. belong at the front or sides of the room, *before the start of the exam*. All electronics must be turned OFF (**not on vibrate!**). You will earn a grade of **zero** on the exam if you are seen touching a cell phone or other electronic device. In addition, you will be reported to the Office of Student Affairs for academic misconduct.
- Cell phone noises during the exam are distracting to everyone. Since it is impossible for me to police every phone/bag/backpack, if a violation occurs – EVERYONE will lose points. Turn off your phones!
- You must write your name and Response Card Device ID on your exam and hand it in when completed.
- \*If WCSU is closed on an exam day, the exam will be rescheduled for the next lecture period.\*

### Lecture Quizzes:

- Quizzes are based on material covered recently and are in the form of one multiple choice question.
- Quizzes will be answered using your Response Card during lecture. **No Response Card = No points.**
- You will earn 1 pt for a correct answer and 0 points for an incorrect answer
- No make-up quizzes will be given.
- During the quizzes, you may use your notes and talk to other students.
- Using another student's Response Card to take a quiz for him/her is considered an act of **academic misconduct** and will be reported to the Office of Student Affairs.
- Quizzes count for a total of 50 points. This is divided equally between the first and second half of the semester. So, you can earn a maximum of 25 pts during each half-semester. There will be at least 25 points offered within each timeframe.

### Lecture Homework:

- Homework assignments will be completed online using Blackboard
- Only the 10 highest homework scores will be counted for your final grade (10 x 15pts = 150 pts)
- Assignments will consist of M.C., T/F, Matching, and/or Diagrams questions related to course content.
- Homework assignments will be due at 11:59pm on the assigned due date. No credit will be awarded for late submissions.

### Extra credit:

*Bonus points are already built into select assignments. Additional opportunities for extra credit will not be offered. So, please don't ask.*

**Help:**

I am always happy to help ...really! I don't hold office hours to sit by myself! If you can't stop by during office hours, email me to set up an appointment for an alternative meeting. You can always email me for help too. Please keep in mind I am not awake at all hours of the night and I (try to) have a life outside of work... so don't be surprised if you don't hear back until the next morning or after the weekend.

**Student Services:**

**Tutoring Resource Center:** (203) 837-9245; <http://www.wcsu.edu/trc/>

\*This is free to students! Don't wait until the last minute!

**Counseling Center:** (203) 837-8690; <http://www.wcsu.edu/counseling/>

\*Also free to students!

**AccessAbility Services:**

If you have a documented disability for which you are or may be requesting an accommodation, you are encouraged to contact AccessAbility Services (AAS) as soon as possible. You may contact AAS by calling (203)-837-8225 or by emailing [aas.wcsu.edu](mailto:aas.wcsu.edu). If your request for accommodation(s) is approved, an accommodation letter will be emailed. *Please discuss your accommodation needs with the instructor as soon as possible* (>1wk before exams) so special arrangements, as appropriate, can be made. (Note: student requests for accommodation letters must be filed each semester.)

## Tentative Course Schedule for Fall 2018

<b>Week</b>	<b>Lecture</b>	<b>Lab</b>	<b>Homework</b>
Aug. 27 – 31	Ch. 1 (Human Body)	<i>None</i>	<i>None</i>
Sept. 3 – 7	Ch. 2 (Chemistry)	<u>Intro to Lab</u> <b>Quiz #1:</b> Language of Anat. 1	<b>#1:</b> <u>Ch. 1</u> Due: Fri. Sept. 7, 11:59pm
Sept. 10 – 14	Ch. 3 (Cells)	<u>Osmosis &amp; Diffusion</u> <b>Scientific Inquiry 1</b>	<b>#2:</b> <u>Ch. 2</u> Due: Fri. Sept. 14, 11:59pm
Sept. 17 – 21	<i>Review;</i> <b>Lecture Exam #1, Sept. 21</b>	<u>Tissues</u> <b>Quiz #2:</b> Language of Anat. 2	<b>#3:</b> <u>Ch. 3</u> Due: Tue. Sept. 18, 11:59pm
Sept. 24 – 28	Ch. 4 (Tissue)	<u>Bones #1</u> Appendicular Skeleton <b>Quiz #3:</b> Tissues	<b>#4:</b> <u>Ch. 4</u> Due: Fri. Sept. 28, 11:59pm
Oct. 1 – 5	Ch. 5 (Integument); Ch. 6 (Bones & Skeletal Tissue)	<u>Bones #2</u> Axial Skeleton <b>Quiz #4:</b> Appendicular	<b>#5:</b> <u>Ch. 5</u> Due: Fri. Oct. 5, 11:59pm
Oct. 8 – 12	Ch. 6 (Bones & Skeletal Tissue); Ch. 8 (Joints)	<u>Bones #3</u> Forensics <b>Quiz #5:</b> Axial	<b>#6:</b> <u>Ch. 6</u> Due: Fri. Oct. 12, 11:59pm
Oct. 15 – 19	<i>Review;</i> <b>Lecture Exam #2, Oct. 19</b>	<b>Lab Exam #1</b>	<b>#7:</b> <u>Ch. 8</u> Due: Tue. Oct. 16, 11:59pm
Oct. 22 – 26	Ch. 9 (Muscles)	<u>Muscles #1</u> <b>Quiz #6:</b> Facial Muscles	<i>None</i>
Oct. 29 – Nov. 2	Ch. 9 (Muscles); Ch. 11 (Nervous System)	<u>Muscles #2</u> Quiz #7: Muscles 1	<b>#8:</b> <u>Ch. 9</u> Due: Fri. Nov. 2, 11:59pm
Nov. 5 – 9	Ch. 11 (Nervous System)	<u>Muscles #3</u> <b>Quiz #8:</b> Muscles 2	<b>#9:</b> <u>Ch. 11</u> Due: Fri. Nov. 9, 11:59pm
Nov. 12 – 16	<i>Review;</i> <b>Lecture Exam #3, Nov. 16</b>	<u>Nervous System #1</u> <b>Scientific Inquiry 2</b>	<i>None</i>
Nov. 19 – 23	Ch. 12 (CNS); <i>Thanksgiving – no class</i>	<i>None</i>	<i>None</i>
Nov. 26 – 30	Ch. 12 (CNS); Ch. 13 (PNS)/Ch. 14 (ANS)	<u>Nervous System #2</u> <b>Quiz #9:</b> Nervous System 1	<b>#10:</b> <u>Ch. 12</u> Due: Fri. Nov. 30, 11:59pm
Dec. 3 – 7	Ch. 14 (ANS)/ <i>Review;</i> <b>Lecture Exam #4, Dec. 7</b>	<b>Lab Exam #2</b>	<b>#11:</b> <u>Ch. 13 and Ch. 14</u> Due: Tue. Dec. 4, 11:59pm
Dec. 10 – 14	Sec. 01: <b>Final Exam</b> Tue. Dec. 11 (8:00-10:30am)		

### **\*Other important dates:**

- The first half semester of lecture quiz points will end at the conclusion of class on Oct. 16
- Mid-term grades will be posted Oct. 22
- The second half semester of lecture quiz points will end at the conclusion of class on Dec. 4
- The deadline to withdraw\* from this course without academic penalty is Nov. 16

*\*Withdrawal is a formal procedure with the Registrar. If you do not go through the formal withdrawal procedure, you will receive an "F" as your final grade for this course.*