

BIOL 2301: Human Anatomy and Physiology I

Class: 3 Semester Credit Hours

BIOL 2301.101 Monday, Wednesday, and Friday 10:00 a.m. – 10:55 a.m. ADMN 207

BIOL 2101: Human Anatomy and Physiology I Lab

Lab: 1 Semester Credit Hour

BIOL 2101L.101 Monday 1:30 p.m. – 3:50 p.m. ADMN 207

CLARENDON COLLEGE
Division of Science and Health
Course Syllabus
Fall 2023 – Dual Credit

Assistant Professor: Mrs. Scarlet Estlack

Zoom Meeting ID (by appointment): 806 874 4827

Office: ADMN 205

E-mail: scarlet.estlack@clarendoncollege.edu

Office Hours: Monday, Wednesday, & Friday 8:00 a.m. – 9:00 a.m. and 11:00 a.m. – 12:00 p.m.

Tuesday & Thursday 9:30 a.m. – 11:00 a.m.

Friday 12:00 p.m. to 1:00 p.m.

Other office hours by appointment.

The “Messages” feature within the online platform is the main method you should use to contact me. I will make every effort to check the course website every weekday and respond to your message requests within 24 hours on business days.

Online Course website: This course will utilize Open LMS as its online course management program. All class notes and lab handouts, tutorials, quizzes, exams, and assignments are provided within the course websites. All assignments must be submitted there. Due dates for all assignments are listed in the “Course Calendar” at the course website. You will be able to log into the course website once you have officially registered for the course and once you have been added to the course website. The course website will become available to you by the first day of the semester. If you register late, you will generally have access to the course within 24 hours after you register. In order to be successful in completing BIOL 2301, a 3-credit hour course, and BIOL 2101, a 1-credit hour course, you should plan to spend between 8-9 hours per week on the course and between 3-4 hours per week on the lab course.

The information explaining how to log into your course website can be obtained by going to [Clarendon College's](#) home page and clicking on the drop-down menu **Portal Login** then clicking on Online Classes. On that page, click on the link “[Click here to login to Online Courses.](#)” If you have any difficulty logging in, email our help desk at: administrator@clarendoncollege.edu

Required Syllabus Agreement and Enrollment Verification Activity (EVA)

The required Syllabus Agreement and Enrollment Verification Activity (EVA) is a brief quiz over the syllabus. Marking the quiz “I agree” verifies that you are enrolled in the course, have read the syllabus, understand the expectations of the course, and accept the guidelines for attendance and the grading policy.

Students who fail to complete the EVA by the official census date may not be able to continue in the course. This could result in an F for the course and forfeiture of Financial Aid. The published Academic Calendar located in the Inside CC link on Clarendon College’s home page includes the census date.

BIOL 2301 Course Description: Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Prerequisite: BIOL 1313 or consent of instructor

BIOL 2101 Course Description: The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

Pre-/Co-requisite: BIOL 2301 Anatomy and Physiology I

Statement of Purpose: Human Anatomy and Physiology I partially satisfies the requirements for the Associates Degree at Clarendon College and is designed for transfer to a senior college.

BIOL 2301 Required Text: *Anatomy & Physiology* textbook authored and published by OpenStax College (License: [CC-BY 4.0](#)). **You are responsible for reading the Text.** You can download the textbook material at www.openstaxcollege.org. This course also includes additional content created by BNED and other third-party sources under CC-BY 4.0 Attribution License. You do not have to print the textbook as it is available as an e-text within the Barnes and Noble Loud Cloud platform.

BIOL 2101 Required Text: *Human Anatomy & Physiology Laboratory Manual, Cat Version, Update 13th Edition* by Elaine N. Marieb and Lori A. Smith. **ISBN-13:** 978-0134632339

- We will use the same lab manual for BIOL 2101 and BIOL 2102.
- Students will be submitting lab reports from this lab manual via uploads in Open LMS for grades. Thus, it is essential that students have access to a version of the lab manual they can use to complete these assignments.
- You can get purchase a physical copy through our bookstore or another source.
- It is also fine to rent an eTextbook, but make sure you have the ability to print and fill out the lab reports.

Course Expectations:

- You may expect a response time from me of a day (24hrs) on business days for messages or email, and perhaps two to three days for Discussion, Activity, and Assignment grades.
- Etiquette expectations (netiquette) for all types of communication: You are expected to take responsibility in helping to maintain a classroom environment that is conducive to learning. Please be polite and maintain a professional tone in your writing. NO abusive language will be tolerated in this course.

Computer/Technology Requirement: This course uses a variety of web resources that require a good Internet connection and an up-to-date browser. The course will have its best appearance and functionality utilizing Mozilla Firefox. Note: If you use your iPad or iPhone to work in this course, download and use Mozilla Firefox to access the course instead of using Safari as your internet browser. Note: To use your **mobile device**, install the **Open LMS app**. Some activities cannot be completed on a mobile device.

You must have the following programs on your computer in order to use and complete these online courses:

- Adobe Reader (to view the PDF type of documents)
- Latest version of one of these internet browsers on your computer: **Mozilla Firefox, Google Chrome, or Microsoft Edge.**
- You must also have access to the **Microsoft Office** program that contains Microsoft Word to view some documents and PowerPoint to view some slideshows. (If you don't already have it on your computer, you can download the free Microsoft 365 available through Clarendon College. Click [these instructions](#) for help downloading it as well as accessing your Bulldogs email.)

Recommended Reading:

- *First Aid for the Basic Sciences: Organ Systems, Second Edition* by Tao Le, et al. Topics in this book will be discussed in class lectures covering chapters 5, 6, 8, 9, and 11 from the textbook. **ISBN-13:** 978-0071743952
- *Anatomy and Physiology Coloring Workbook: A Complete Study Guide* 9th edition by Elaine N. Marieb. Topics in this book will be discussed in class lectures covering chapters 3, 4, 5, 6, 9, and 11 from the textbook. **ISBN-13:** 978-0805347784
- *Ross and Wilson Anatomy and Physiology in Health and Illness*, 13th ed. By Anne Waugh and Allison Grant. Topics in this book will be discussed in class lectures covering chapters 5, 6, 9, 12, 13, and 14 from the textbook. **ISBN 13:** 978-0702072765

Supplies: Lab manual, a 1 ½" or larger 3-ring binder to organize your class and lab notes if you print them, pencils.

Methods of Instruction: This course will utilize class discussions, audio-visual materials, Open LMS, Zoom, and lab instruction.

Student Rights and Responsibilities: Student Rights and Responsibilities are listed on the College website at: <http://www.clarendoncollege.edu/Resources/Student%20Services/StudentRightsResponsibilities.pdf>

In accordance with recommendations from the Texas Higher Education Coordinating Board, all life and physical science courses at Clarendon College will address the following core objectives:

- **Critical Thinking Skills** – including creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
- **Communication Skills** – including effective written, oral, and visual communication.

- **Empirical and Quantitative Skills** – including application of scientific and mathematical concepts.
- **Teamwork** – including the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

Specific **student learning outcomes** for the class and lab can be viewed from the THECB website at this link:

<https://reportcenter.highered.texas.gov/training-materials/lower-division-academic-course-guide-spring-21/>

Grading Policies: You will receive one letter grade for BIOL 2301 and one letter grade for BIOL 2101. Those grades come from the components described below. **Student grades and course averages are viewable in Open LMS by clicking on the “Course Dashboard” and then clicking on the “Gradebook” in Open LMS.**

BIOL 2301 Grading Policies: Human Anatomy and Physiology I Class (3 credit hours)

1. **Class participation will count as 10%** of your final course grade.
 - a. This grade comes from your participation in writing assignments in Open LMS.
2. **Class Quizzes will count as 25%** of your final course grade.
 - a. Quizzes will be posted online in Open LMS over specific topics that were presented in class.
 - b. Be certain to study the relevant notes and/or diagrams before attempting the quizzes.
 - c. The quizzes will have a time limit.
 - d. You will only get one attempt on each quiz.
 - e. I do not drop any quiz grades.
3. **Class Exams will count as 65%** of your final course grade.
 - a. Students will not be allowed to take exams until they have completed the EVA in Open LMS.
 - b. Exams will be taken in Open LMS. Exams will only open for the duration of your scheduled class. Please refer to the course calendar for specific dates.
 - i. All class exams, including the final, contribute equally to your final average.
 - ii. Each exam covers the material covered since the last exam (not comprehensive).
 - iii. The exams will utilize a variety of question formats (objective, matching, multiple choice, true/false, etc.)
 - c. You will only get one attempt on each exam.
 - d. I do not drop any exam grades.

BIOL 2101 Grading Policies: Human Anatomy and Physiology I Lab (1 credit hour)

1. **Writing Requirements: Class discussions and assignments will count as 30%** of your final course grade.
 - a. This portion of your grade comes from your completion of class discussions and assignments that are posted in Open LMS.
2. **Lab quizzes will count as 25%** of your final course grade.
 - a. Lab Quizzes will be given each week after a completed lab in Open LMS.
 - b. The quizzes will have a time limit.
 - c. You will only get one attempt on each quiz.
 - d. I do not drop any quiz grades.
3. **Lab exams will count as 45%** of your final lab grade.
 - a. Students will not be allowed to take exams until they have completed the EVA in Open LMS.
 - b. Lab exams will be taken in Open LMS. Exams will only open for the duration of your scheduled lab. Please refer to the course calendar for specific dates.
 - i. All lab exams contribute equally to your final average.
 - ii. Each exam covers the material covered since the last exam (not comprehensive).
 - iii. The exams will utilize a variety of question formats (objective, matching, multiple choice, true/false, etc.)
 - c. You will only get one attempt on each exam.
 - d. I do not drop lab exams.

Grading Scale for the course:

<u>Letter Grade</u>	<u>Numeric Grade</u>
A	90-100
B	80-89
C	70-79
D	60-69
F	59 and below

Academic Integrity Policy:

Clarendon College is committed to a philosophy of honesty and academic integrity. It is the responsibility of all members

of the Clarendon College community to maintain academic integrity at Clarendon College by refusing to participate in or tolerate academic dishonesty. Any act of academic dishonesty will be regarded by the faculty and administration as a serious offense.

Be certain to review the Student Academic Integrity and Classroom Ethics policies in your Student Handbook. You are responsible for both knowing and adhering to these policies. You may access the Student Handbook at this link:

<https://www.clarendoncollege.edu/Resources/Admin/21-22/2021-2023%20Student%20Handbook%2010-1-21.pdf>

Classroom and Zoom Meeting Conduct

I will show you the respect you deserve as a student. I, in return, expect respectful behavior from you. Because the following actions cause disruption in the classroom and therefore affect the ability of students to learn, I have strict policies concerning them. Disrespectful behavior on your part will result in deductions from your class participation grade.

Disrespectful behavior includes...

- **Arriving late to class or the Zoom meeting.**
- **Leaving the room or Zoom meeting during class time.** Plan restroom visits before or after class—not during class. If special needs exist, please make prior arrangements.
- **Using distracting electronic communication devices during class or lab.** This includes cell phones, laptops, tablets, etc. for purposes that are not related to coursework. An offense will result in the device being taken up in face-to-face classes or in being removed from the Zoom meeting.
- **Sleeping in class.**
- **Talking in class about topics not class-related.** Class time is not the time to visit with your fellow classmates. If you do, I will ask you to leave the class.
- **I do NOT allow abusive, obscene, or offensive clothing, jokes, or behavior.**

Class Policies:

1. **Absences:** Please take class attendance seriously. You are here to learn all you can learn, to build a body of knowledge to help you in your career and/or to give you satisfaction in the future. Students who are motivated come to class. ***You are responsible for the material covered in class and lab even if you are absent.*** *Unexcused absences will count against your class and lab participation grade as discussed in the grading policies.*
2. **Excused absences:** Make-up work will be allowed *only* if absences are excused. Excused absences can result from...
 1. Severe illness on the part of the student (documented by a doctor's note) that prohibits attendance both in-person and/or via Zoom.
 2. A family emergency. Please contact the Vice President of Student Affairs about the emergency and provide any requested documentation so that this can be communicated to faculty.
 3. College-sanctioned extracurricular events will not result in an unexcused absence. However, any course or lab work/assignments must be completed prior to their due date if it falls during your event.
 4. Unfavorable weather conditions that prevent students from reaching the college and from joining the class or lab via a Zoom meeting (e.g. a blizzard knocking out the power grid).If you wish for your absence to be excused, you should e-mail me *in advance* of the absence. When you return, you must furnish proof of the reason for your absence if you wish for it to be excused.
3. **Make-up work:** Late or unexcused work will NOT be accepted. Students who have excused absences MUST let me know **before** the exam or quiz is given that we need to schedule a make-up. In most cases, the exams or quizzes must be taken PRIOR to the absence in order to receive full credit. ****If you take the exam or quiz after it has been given to the class, you will receive a 10% penalty per school day that passes until you take the make-up.**** To avoid the penalty, MAKE SURE YOU TAKE A MAKE-UP EXAM OR QUIZ BEFORE YOU LEAVE.
4. **Final Exams:** Students must take a final for each of their academic courses. The schedule of final exam times is published at the beginning of the semester. Do not make plans to leave school before your scheduled final exam. I will not give any early finals except in extreme emergencies after students have provided documentation of said emergency. The class final will be open from 12:01 a.m. on Monday, December 4, 2023 and will close at 11:55 p.m. on Tuesday, December 5, 2023.
5. **Scholastic Honesty:** I adhere to a strict policy regarding academic honesty. Anyone who is dishonest in any way will receive a zero on that assignment or exam with no opportunity to make up the zero and may be dropped from the course with a grade of F. That student, if allowed to remain in the course, will not be allowed to receive any extra credit points from the time of the infraction through the remainder of the course. Furthermore, that student will not be allowed to drop their lowest quiz grade or exam grade. A second act of dishonesty will result in an F for the course. Note that dishonest behavior includes both the act of copying someone else's work as well as allowing someone to copy your work. Both students are equally guilty and the punishment will be equal.

6. **Accommodations:** Clarendon College provides reasonable accommodations for persons with temporary or permanent disabilities. Should you require special accommodations, it is your responsibility to notify the Office of Student Services (806-874-3571 or 800-687-9737). Further information about this process is available on the college website at this address: www.clarendoncollege.edu/accommodations. We will then work with you to make whatever accommodations we need to make.

7. **Withdrawal:** If you decide that you are unable to complete this course or that it will be impossible to complete the course with a passing grade, you may drop the course and receive a "W" on your transcript instead. Withdrawal from a course is a formal procedure that you must initiate. If you do not go through the formal withdrawal procedure, you will receive a grade of "F" on your transcript.

A student is permitted to drop a course if he/she obtains an official drop slip from the office and has the instructor sign the slip before the 12th class week.

Remember, a student is only allowed to drop the same class twice before he/she will be charged up to triple the tuition amount for taking the class a third time or more. Furthermore, beginning with the Fall 2007 semester, students in Texas may only drop a total of 6 courses throughout their entire undergraduate career. After the 6, he/she will no longer be able to withdraw from any classes.

If you think you need to drop this course, please talk with me about it first. It is possible that there is something you can do to still pass the course. Don't hurt your chances for a passing grade in the course by not attending labs or taking exams before we have discussed your situation.

The last day to withdraw from this course with a "W" is Friday, November 3, 2023.

Human Anatomy and Physiology I

Course Calendar and Outline – Fall 2023 – Dual Credit

Tentative Course Schedule: This course schedule is also available in your Open LMS courses. The course schedule is subject to change. If changes are made, you will be notified in class. I will also change the course schedule itself to reflect any changes made.

****Discussions and Activities that contribute to your Writing Grade and are also used to determine weekly attendance. These ONLY open during the week that they are assigned. I record attendance every Tuesday.**

All quizzes and exams are open. You can progress through the course at your own pace and work ahead. However, note that the due dates are absolute. I will not re-open anything once a due date has passed.

CDST = Central Daylight Saving Time CST = Central Standard Time

WEEKS	CLASS TOPICS Completed in Open LMS	LAB ACTIVITIES Completed in Open LMS
Week 1 DUE by Aug 21 at 11:55 p.m. CDST	<p>Classes Begin Wednesday, August 16 – it is important to log in to the course immediately so I can count you present for the college's records</p> <p>Syllabus & Introduction</p> <p>Complete the Syllabus Agreement EVA located in the Class Orientation unit.</p> <p>Ch 1: An Introduction to the Human Body</p> <p>**Class Participation: Discussion – Icebreaker Activity: Which scientist do you admire the most?</p> <p>Mon., Aug. 21 - last day to register and add/drop</p>	<p>Classes Begin Wednesday, August 16 – it is important to log in to the course immediately so I can count you present for the college's records</p> <p>Complete the syllabus Agreement EVA.</p> <p>Lab Unit 1: Lab Safety Video</p> <p>Quiz 1: Lab Safety</p> <p>**Writing Assignment: Discussion – Icebreaker Activity: Introduce Yourself</p>
Week 2 DUE by Aug 28 at 11:55 p.m. CDST	<p>Ch 1: An Introduction to the Human Body, continued</p> <p>Quiz 1: The language of anatomy</p> <p>Quiz 2: Planes, sections, membranes, and cavities</p> <p>**Class Participation: Discussion – Answer Introduction Questions</p>	<p>Lab Unit 2: Exercises 3 & 4: The Microscope and The Cell – Anatomy and Division</p> <p>Quiz 2: The Microscope</p> <p>Quiz 3: The Cell</p> <p>**Writing Assignment: Discussion – Pioneers in Microscopy</p>
Week 3 DUE by Sept 4 at 11:55 p.m. CDST	<p>Ch 3: The Cellular Level of Organization</p> <p>Quiz 3: Cellular organelles</p> <p>Quiz 4: Cellular division</p> <p>Quiz 5: Central dogma of biology</p> <p>Thurs., Aug. 31 – Census Day</p> <p>**Class Participation: Discussion – Answer Cells Questions</p>	<p>Lab Unit 3: Exercises 1 & 2: The Language of Anatomy & Organ systems</p> <p>Quiz 4: Organ systems</p> <p>**Writing Assignment: Upload completed review sheets for Exercise 1 in lab manual</p> <p>**Writing Assignment: Upload completed review sheets for Exercise 2 in lab manual</p>

Human Anatomy and Physiology I

Tentative Course Calendar and Outline – Fall 2023 – Dual Credit

WEEKS	CLASS TOPICS Completed in Open LMS	LAB ACTIVITIES Completed in Open LMS
Week 4 DUE by Sept 11 at 11:55 p.m. CDST	Monday, September 4 – College Holiday **Note that my quiz due dates are on Mondays at 11:55 p.m. The quizzes have been open since the semester started. I recommend that you complete them early so that you can enjoy the Monday holiday.** Ch 4: The Tissue Level of Organization Quiz 6: Epithelial tissues Quiz 7: Connective tissues Quiz 8: Muscle tissues Quiz 9: Tissue repair **Class Participation: Discussion – Answer Tissues Questions	Monday, September 4 – College Holiday **Note that my quiz due dates are on Mondays at 11:55 p.m. The quizzes have been open since the semester started. I recommend that you complete them early so that you can enjoy the Monday holiday.** Lab Unit 4: Exercise 6: Classification of Tissues – part one Quiz 5: Identifying tissue slides **Writing Assignment: Discussion – Histology Challenge Questions
Week 5 DUE by Sept 18 at 11:55 p.m. CDST	Exam 1 Ch 5: The Integumentary System Quiz 10: Histology and skin layers Quiz 11: Skin appendages **Class Participation: Discussion – Answer Integumentary System Questions Friday, September 15 – Constitution Day Celebrated	Lab Unit 5: Exercise 6: Classification of Tissues – part two Quiz 6: Classification of tissues **Writing Assignment: Upload completed review sheets for Exercise 6 in lab manual
Week 6 DUE by Sept 25 at 11:55 p.m. CDST	Ch 6: Bones Tissue and the Skeletal System Quiz 12: Gross anatomy of bones Quiz 13: Histology of bones Ch 7: The Axial Skeleton Quiz 14: The axial skeleton **Class Participation: Discussion – Answer Skeletal System Questions	**Lab Unit 6: Lab Exam 1 - taken in Open LMS.
Week 7 DUE by Oct 2 at 11:55 p.m. CDST	Ch 8: The Appendicular Skeleton Quiz 15: The appendicular skeleton Exam 2 **Class Participation: Discussion – Answer Axial & Appendicular Skeleton Questions	Lab Unit 7: Assembling disarticulated skeleton. Exercise 8: Overview of the Skeleton: Classification and Structure of Bones and Cartilages Quiz 7: Bone anatomy **Writing Assignment: Upload completed review sheets for Exercise 8 in lab manual
Week 8 DUE by Oct 9 at 11:55 p.m. CDST	Ch 9: The Joints Quiz 16: Articulations (the joints) **Class Participation: Discussion – Answer Joints Questions	Lab Unit 8: Exercise 9: The Axial Skeleton and Ex. 10: The Appendicular Skeleton. Quiz 8: Bone identification **Writing Assignment: Upload completed review sheets for Exercise 9 in lab manual **Writing Assignment: Upload completed review sheets for Exercise 10 in lab manual

Human Anatomy and Physiology I

Tentative Course Calendar and Outline – Fall 2023 – Dual Credit

WEEKS	CLASS TOPICS Completed in Open LMS	LAB ACTIVITIES Completed in Open LMS
Week 9 DUE by Oct 16 at 11:55 p.m. CDST	Monday, October 9 – College Holiday **Note that my quiz due dates are on Mondays at 11:55 p.m. The quizzes have been open since the semester started. I recommend that you complete them early so that you can enjoy the Monday holiday.** Ch 10: Muscle Tissue Quiz 17: Gross anatomy of muscle Quiz 18: Histology of muscle **Class Participation: Discussion – Answer Muscle Tissue Questions	Monday, October 9 – College Holiday **Note that my quiz due dates are on Mondays at 11:55 p.m. The quizzes have been open since the semester started. I recommend that you complete them early so that you can enjoy the Monday holiday.** **Lab Unit 9: Lab Exam 2 – taken in Open LMS.
Week 10 DUE by Oct 23 at 11:55 p.m. CDST	Ch 11: The Muscular System Quiz 19: Sliding filament theory Exam 3 **Class Participation: Discussion – Answer Muscular System Questions	Lab Unit 10: Exercise 12: Microscopic Anatomy and Organization of Skeletal Muscle Quiz 9: Muscle microanatomy **Writing Assignment: Upload completed review sheets for Exercise 12 in lab manual
Week 11 DUE by Oct 30 at 11:55 p.m. CDST	Mon., Oct. 23 – pre-registration for Fall Mini 2023 and Spring 2024 begins. Tues., Oct. 24 – 60% of the term is complete Ch 12: The Nervous System and Nervous Tissue Quiz 20: Histology of nervous system Quiz 21: Physiology of nervous system **Class Participation: Discussion – Answer Nervous System Questions	Lab Unit 11: Exercise 13: Gross Anatomy of the Muscular System **Identifying muscles on mannequins Quiz 10: Muscle identification, ventral Quiz 11: Muscle identification, dorsal **Writing Assignment: Upload completed review sheets for Exercise 13 in lab manual
Week 12 DUE by Nov 6 at 11:55 p.m. CST	Ch 13: Anatomy of the Nervous System Quiz 22: Organization of the nervous system **Class Participation: Discussion – Answer Anatomy of the Nervous System Questions Fri., November 3 last day to Drop with a “W” Daylight Saving Time ends at 2:00 a.m. on Sunday, November 5	**Lab Unit 12: Lab Exam 3 - taken in Open LMS.
Week 13 DUE by Nov 13 at 11:55 p.m. CST	Exam 4 Ch 14: The Somatic Nervous System Quiz 23: The somatic (voluntary) nervous system **Class Participation: Discussion – Answer Somatic Nervous System Questions	Lab Unit 13: Exercise 15: Histology of Nervous System and Exercise 17: Gross Anatomy of the Brain and Cranial Nerves Quiz 12: Histology of Nervous Tissue Quiz 13: Gross Anatomy of Brain and Cranial **Writing Assignment: Upload completed review sheets for Exercise 15 in lab manual **Writing Assignment: Upload completed review sheets for Exercise 17 in lab manual

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Tentative Course Calendar and Outline – Fall 2023 – Dual Credit

WEEKS	WEEKS	WEEKS
Week 14 DUE by Nov 20 at 11:55 p.m. CST	Ch 15: The Autonomic Nervous System Quiz 24: The ANS: Sympathetic NS **Class Participation: Discussion – Answer Autonomic Nervous System Questions	Lab Unit 14: Exercise 19: The Spinal Cord and Spinal Nerves Quiz 14: The Spinal Cord and Spinal Nerves **Writing Assignment: Upload completed review sheets for Exercise 19 in lab manual
Nov 20 – Nov 24	**Note that my quiz due dates are on Mondays at 11:55 p.m. The quizzes have been open since the semester started. I recommend that you complete them early so that you can enjoy the fall break holiday.** Fall Break – College Holiday	**Note that my quiz due dates are on Mondays at 11:55 p.m. The quizzes have been open since the semester started. I recommend that you complete them early so that you can enjoy the fall break holiday.** Fall Break – College Holiday
Week 15 DUE by Dec 4 at 11:55 p.m. CST	Ch 15: The Autonomic Nervous System **Quiz 25: The ANS: Parasympathetic NS Friday, Dec. 1 – Commencement Ceremony	**Lab Unit 15: Lab Exam 4 - taken in Open LMS.
FINAL EXAMS OPEN Dec 4 at 12 a.m. CLOSE Dec 5 at 11:55 p.m. CST	**Final Exam** - to be taken in Open LMS between 12 a.m. CST Monday, December 4 and 11:55 p.m. CST Tuesday, December 5	