COURSE: BIO 199 ANATOMY & PHYSIOLOGY I (4 credits)

INSTRUCTOR: Professor Christine Kisiel
email: ckisiel@mwcc.mass.edu
phone: 978-630-9215
office: room 269
office hrs: Monday 9:30-10:30am Tuesday 8:00-9:00am
           Wednesday 1:15-2:15 pm Thursday 8:30-9:30am

REQUIRED COURSE MATERIALS:
This course will use a custom package ISBN: 9780077541507. This package includes:

- CONNECTPlus student access code
  - ConnectPlus is the name of the publisher’s website that accompanies the A&P textbook. This site includes a dynamic, interactive online media package that will be integrated into the course (therefore, this is a required, not an optional course supplement).
  - ConnectPlus contains LearnSmart, Anatomy and Physiology Revealed (APR), and PHILS simulated labs.
  - The access code and instructions for registering for ConnectPlus are found in a separate cardboard access kit packaged with the textbook and lab manual bundle provided by the MWCC bookstore.
  - The access code for ConnectPlus can only be used once. If you have a borrowed or used text, you will need to purchase an access code from the publisher at www.mcgrawhillconnect.com.
  - Instructions for registering for ConnectPlus and purchasing a separate access code are found at the end of this syllabus. It is recommended that you use the same login credentials for this A&P website as your college account. Please see instructor if you have questions about registering for ConnectPlus.
  - Bookmark the textbook website: www.mcgrawhillconnect.com
  - You will need to access the ConnectPlus website for lab/class activities. Once you have registered using your access code, you will need to memorize your login information or bring it with you to lecture and lab.

If you had A&P at another college, borrowed a text or purchased a text online, it is likely you do not have all required materials (listed above). Please be sure to have ALL required material before the first class. Although these learning materials are expensive a new copy of the textbook includes many extras for free, such as access to the textbook website (ConnectPlus, which includes LearnSmart, Anatomy and Physiology Revealed, and PHILS simulated labs, and an anatomy atlas). If you try to purchase discount textbooks, you will probably end up spending more in the end. Considering the books are used for two semesters, this is a good deal!
REQUIRED COURSE SUPPLEMENTS:
Blackboard™ is the online course management platform used by MWCC and will be used extensively in this section of A& P I to organize the course, post assignments, distribute class notes & other documents, administer some online assessments, and allow students to communicate with the instructor and with each other. All course assignments will be posted on Blackboard. Blackboard postings must be checked several times per week for assignments and various learning activities and assessments.
Access to and regular use of a computer with high-speed internet access is required for this course.

INSTRUCTIONS TO ACCESS BIO 199 on BLACKBOARD

- To access Blackboard (Bb):
  1. Log on to http://iconnect.mwcc.edu
  2. Enter your username and password (If you do not have your MWCC credentials yet, click on the Activate Your Account link at the bottom of the page and follow the directions)
  3. When in iConnect, click on the Bb icon.
  4. Click on the Course Title listed under My Courses.

- HelpDesk Services:
  1. 24/7: toll-free 866-520-7129 or 978-630-9378 or helpdesk@mwcc.mass.edu
  2. Helpdesk Office: room 078 (lower library)
  3. Notify your instructor right away if you are unable to access the Blackboard site for this course.

MWCC EMAIL

- MWCC creates an email account for each student. Students enrolled in this course must use and check their MWCC email account on a regular basis.
- All correspondence will be sent to the student’s MWCC email account. To simplify things, students may easily redirect email from their MWCC accounts to any other email address that they designate.
  1. To receive MWCC email, a student should logon to http://mail.mwcc.edu
     All student accounts follow the same username and password approach as Blackboard.
  2. Meet with the instructor during the first week of classes if you are unable to access your MWCC email account.
  3. For email issues, contact the MWCC Help Desk (see details above)

COURSE SCHEDULE:
class meets: T&TH 9:30-10:45 am (room 241)
lab meets: T or TH 11:00 am-1:00 pm (room 241)

If inclement weather causes class cancellation, lessons will be delivered online through Blackboard.
COURSE DESCRIPTION

Topics in this course include the chemical and cellular basis of human body systems. Focus is on an in depth study of the structure and function of the muscular, digestive, skeletal, and nervous systems as well as nutrition/metabolism. Theoretical concepts will be modeled in lab through hands-on experiments, computer-assisted exercises as well as dissection.

Two and one-half hours class, two hours laboratory*.

Prerequisites: ENG100, RDG100, MAT096, or placement; BIO109 or 115 is strongly encouraged.

*“One college hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for 15 weeks for one semester of credit or equivalent amount of work over a different amount of time. For example, a three credit course is 3 college hours (50 minutes for each hour) of classroom instruction and a minimum of six hours out of class student work per week for a 15 week semester. Laboratory work, internships, practicum, studio work, clinical placements and other work leading to credit hours will be at least equivalent to what is listed above. Out of class work is listed as a minimum estimate. Students should expect to spend more time on out of class work dependent upon the course.”

WHO SHOULD BE TAKING BIO 199?

This course is intended for those students enrolled in or intending to enroll in allied health programs, such as nursing, dental hygiene, physical therapy assistant, or clinical laboratory science.

Students who plan to transfer to a four-year institution should be aware that this class may not fulfill requirement for a biology major at a four-year institution. Check with your advisor or the four year institution to be sure. This class is NOT intended for students wishing to complete their MWCC core requirement for either a lab science or a science elective. Such students are welcome to take this class (provided they meet the prerequisites), but will find that the material and out-of-class work is significantly more advanced than most science courses.

COURSE OBJECTIVES

At the end of the semester of BIO 199 students will:

a. Define, demonstrate, and apply basic anatomical and directional terminology.

b. Discuss and give examples of the fundamental concepts of the chemical and cellular components related to the structure and function of the human body.

c. Differentiate the levels of structural organization in the human body and understand how these relate to the structure and function of the human body as a whole.

d. Recognize the interrelationships between form and function at the gross and microscopic levels of organization.

e. Investigate the concept of homeostasis as a unifying theme in human anatomy and physiology, and apply how homeostatic mechanisms work in clinical situations.

f. Analyze the chemical and physiological basis of nutrients from ingestion, through digestion and the biochemical pathways by which they are metabolized.

g. Describe the skeletal system as it relates to the support and movement.

h. Integrate the study of muscles, muscle physiology and muscle metabolism to movement and skeletal structure as well as the metabolic demand for energy.

i. Investigate the control of other body systems from a detailed description of nervous tissue, the brain spinal cord, sensory, motor, integrative pathways.
j. Demonstrate the ability to write and speak effectively through written assignments, laboratory reports, and group discussions.

k. Apply information and technological literacy through electronic and traditional modes by identifying, accessing, evaluating and using information effectively, ethically and legally.

l. Understand the process of science by utilizing the scientific mode of inquiry and quantitative reasoning.

m. Develop and practice collaborative skills, problem solving, critical thinking, quantitative reasoning, analysis and the ability to use inference to draw appropriate conclusions.

OUTCOME ASSESSMENTS:

- Students apply the scientific method to various laboratory experiments, lab reports, and scientific writings
- Students articulate and defend hypotheses in writing their lab reports and papers
- Students apply the scientific method to current science or social and political issues during class discussions and formal lab reports
- Students use numerical, graphical, and mathematical symbolism appropriately in their lab reports and formal papers
- Students use electronic and non-electronic media to research material needed to write lab reports and formal scientific papers
- Students select, organize, and present information through their written papers, electronic drafts, and other means of presentation submitted to professors
- Students are able to successfully interpret graphs found in class, in scientific literature, in seminars, or on the web
- Students successfully communicate appropriate scientific methodology (graphs, tables, etc.) in written, electronic, or oral form using the English language

MWCC GENERAL EDUCATION OUTCOMES:

Mount Wachusett Community College has competencies that are aimed at “providing students with the skills, knowledge, and intellectual understanding that they need to function effectively in a dynamic, complex and interdependent world.” Embedded in each of the competencies listed below is Critical Thinking which requires an ability to solve problems, use inference to draw conclusions and use deductive and inductive reasoning.

This course is designed with the expectation that students will achieve the following competencies:

1. **Written communication in English.** Students will participate in group discussions, will be required to convey their understanding of readings with by answering questions in a detailed and comprehensive manner. Writing is an ongoing activity in this course through lab reports, take-home assignments as well as in-class activities.

2. **Quantitative reasoning and scientific modes of inquiry.** Students will use scientific inquiry and mathematical models to analyze experimental data. To understand how the body works, one must understand how science works as well as the significance of the numerical information related to health and disease.

3. **Information literacy.** Through electronic and traditional modes, students will identify, access, evaluate and use information effectively, ethically and legally. Assignments will be posted online; the course will be organized on and administered from an electronic/web-based platform of Blackboard.

4. **Understanding self.** This course will help students clarify their own personal values; understand the ethical principles at work in science, health care and society at large.
METHODS OF INSTRUCTION

The instructor will use a variety of teaching methods to engage each student and to accommodate various styles of learning. Students will contribute to their learning by actively engaging in class activities as well as online exercises. Opportunities are designed for students to engage in understanding how the body works and to become engaged in finding things out for themselves. The instructor attempts to harness student curiosity and provide structure that allows students to work with and learn from one another.

Course content will be delivered in lectures, individual and team-based problem-solving exercises, pre- and post-class/lab (homework) assignments, laboratory experimentation, writing lab reports and other written assignments, informal small group discussions, simulations, case studies, examination of anatomical models, dissections and other activities that require students to think about and apply what they are learning. Students should expect to exercise independent thinking, referring to the text as well as electronic information that help solve problems. It is expected that students learn to collaborate as a way of exploring course content as well as building consensus. Computer technology will be used in this course as a means of organizing the course, distributing documents, communicating with each other, visualizing concepts, learning content and assessing knowledge.

Access to and regular use of a computer with high-speed internet access is required for this course.

It is expected that students will have completed assignments prior to class to promote an interactive exchange of ideas in the classroom rather than delivery of information. Students who are unprepared do not contribute to group work and are viewed as obstructive to the learning process. Come to class and lab prepared to ask and answer questions and actively engage in discussions. Most learning of A&P takes place outside of class, so plan your schedule to include adequate study time for this course.

LABORATORY COMPONENT

The laboratory component of this course provides students with hands-on experiences that facilitate learning basic anatomy and physiology of the human body, but also encourages critical thinking, the understanding of scientific methodology and the application of physiological principles.

▪ Missed Labs.
  o Attendance at all lab sessions is expected.
  o Since many laboratory experiments are complex, require considerable preparation time and are unable to be duplicated, students cannot make up missed labs.
  o If absence during a lab is unavoidable, consult the instructor to make arrangements to attend the other lab section of this course.
  o If classes are cancelled on the day of lab, it may be rescheduled on another day.

▪ Laboratory reports, when required, are generally due one week from the lab.
  o The formats of lab reports vary with the exercise. Not all lab exercises will have a lab report to submit.
  o Late lab reports will be accepted within one week of the original due date, but will not receive full credit.
  o Lab reports will not be accepted for credit if a student did not attend or actively participate in and complete the laboratory exercise.
Laboratory Quizzes:
- There will be frequent (approximately 4-5) quizzes covering laboratory activities.
- **Only one make-up quiz is allowed** and it must be completed within one week of the original date of the lab quiz.
- It is the responsibility of the student to arrange for a make-up lab quiz with the instructor.

Laboratory Tests:
- There will be two laboratory tests during the semester.
- The average grade for the two lab tests will count as one exam grade.

Laboratory work may involve work with living animals or organ dissection. Anatomy and Physiology instructors believe that a thorough understanding of physiological principles and their application requires an occasional activity that uses living tissue. Dissection of preserved or living animals or the use of animals as a model for learning is an important part of any scientific endeavor.

Safety
- All lab safety policies must be reviewed and followed at all times.
- Approved eye protection (ANSI Z87.1-2003 compliant) is required in most labs and will be provided.
- **No Children are allowed under any circumstances in the laboratory at any time.**

**ATTENDANCE POLICY**

Attendance is expected at all class and lab sessions. There is close correlation between attendance and academic success. The college makes no distinction between excused and unexcused absences. If a student is not present in class, he/she is absent, regardless of the reason. Students are responsible for all material covered during an absence, including obtaining class notes, handouts, assignments and submitting assignments due. When absent, a student will not earn credit for graded activities in which he/she did not participate. Attendance is recorded as required by MWCC financial aid policies. *Students are responsible for course content delivered online through Blackboard in the event of school cancellation due to inclement weather.*

**GRADING POLICY**

The assignment of a final course grade for BIO 199 will be determined on the basis of the following:

- Exams (3 theory/class exams & final exam) = 60% of final course grade
- Lab Reports = 5% of final course grade
- Lab Quizzes = 5% of final course grade
- Lab Exams = 10% of final course grade
- Online Quizzes = 10% of final course grade
- Assignments = 10% of final course grade

100% of final course grade
Your final grade in this course calculated as noted above and is a culmination of the work you complete throughout the semester. Final grades are non-negotiable and no extra credit assignments are allowed for a student who is not happy with his/her grade. 

**EXTRA CREDIT TO IMPROVE INDIVIDUAL OR THE FINAL SEMESTER GRADE IS NOT AN OPTION**

The assignment of grades at MWCC is based on the **absolute** scale below:

- **A** = 93-100
- **A-** = 90-92.9
- **B+** = 87-89.9
- **B** = 83-86.9
- **B-** = 80-82.9
- **C+** = 77-79.9
- **C** = 73-76.9
- **C-** = 70-72.9
- **D+** = 67-69.9
- **D** = 63-66.9
- **D-** = 60-62.9
- **F** = 0-59.9

**IMPORTANT POLICY NOTES**

- **Make up exams.**
  - To be fair and consistent with all students and to maintain standards, a student may be allowed to make up one (1) missed exam (class and lab exam) during the semester (but not the final exam).
  - One make-up exam applies to unavoidable absence due to illness or another serious circumstance preventing attendance; it does not apply to doing poorly on the exam and getting another chance to take the exam for a better grade.
  - The missed exam must be made up within 7 days of the original exam date and at a time mutually convenient to the instructor and student.
  - It is the responsibility of the student to contact (email or call) the instructor within 24 hours of the scheduled exam to request a makeup.
  - The makeup exam may be a different format than the original exam.

- **Absence from the final exam** without prior discussion/arrangement with the instructor will result in an F on that exam with no makeup allowed.

- **Weekly online quizzes** are administered through Blackboard.
  - Each online quiz will become available no later than Monday at midnight and close the following Monday at midnight.
  - Failure to complete quiz within these 7 days will result in a zero grade. If a quiz is missed or not submitted on time, there is **no** provision for makeup, regardless of the reason for missing the quiz.
  - The lowest online quiz grade will be dropped at the end of the semester.
  - Do not take online quizzes on the Monday evening since there is no provision for extending the deadline if you encounter technical difficulties.

- **Lab Quizzes** – one lab quiz can be made-up due to absence from lab. Notify the instructor by email or calling within 24 hours of the scheduled lab quiz to request a make-up time/date.

- **Examinations** typically include content from 2-3 chapters, but may also have a comprehensive component from previously covered select material. The final exam includes new material covered from the previous exam as well as a comprehensive component that includes selected/defined concepts covered throughout the semester.
• An “I” grade will be given only by prior permission of and after discussion with the instructor.
• Withdrawal. Failure to continue coming to class after consulting with the instructor does not constitute a course withdrawal. Any student who stops attending class during the course of the semester without officially withdrawing from the course will receive a final grade of “F.” A “drop/add” form must be completed by the student to officially withdraw from BIO 199.
• Extra Credit. Requests from students for special projects to improve grades are not appropriate, and will not be provided. There is no provision for “extra credit” or “re-taking” quizzes or exams.
• Learning Objectives or Study Guide for each chapter are provided.
  o Selections of each chapter to be mastered are identified in the Study Guide for content students need to know.
  o It is the responsibility of the student to master the learning objectives in the Study Guide by the completion of each chapter.
  o Completed Study Guides are not collected or corrected, but students are encouraged to ask questions about material on the study guide. These learning objectives are aligned with questions on exams.
• Notes from class are posted within 12 hours of class; these notes should be reviewed before the next class. The section(s) of the textbook related to material covered in class should be read after class to expand class notes and identify questions as they arise. It is also advisable to review student notes when studying for an exam.
• Cell Phones and other electronic device must be silenced during class and lab. Interruptions from these devices will not be tolerated. Electronic devices may not be used during class or lab.
• Assignments may be completed and submitted electronically. Not all assignments are collected and/or graded
• Students should carefully review all graded material upon its return. Questions on grading should be directed to the instructor within 1 week after receipt of graded work and will not be re-evaluated again after this point. Be sure to offer evidence to substantiate any challenge related to course content.

REQUIREMENTS FOR SUCCESS IN ANATOMY AND PHYSIOLOGY I:
• Being responsible for knowing what is assigned, accessing course material and meeting deadlines.
• Reviewing notes, reading related sections of text and practicing material after each class as well as preparing for next class and lab.
• Attend and engage in every class and lab.
• Complete assignments thoroughly, carefully and by the assigned deadline.
• Be resourceful in finding information to help you learn
• Analyze diagrams, figures, data tables to get overview of basic principle as well as the details (in sequence) of cause and effect relationships; ask questions as needed
• Summarize “how the body works” and how details are “connected” using proper grammar & composition
• Think about the information learned; reading comprehension and critical thinking are critical skills.
• Thinking through ideas and constructing a defense to a statement of how the body works
ACADEMIC HONESTY

True learning can exist only in an environment of intellectual honesty. Plagiarism is defined as using or knowingly representing the words or ideas of another as one’s own in any academic exercise. Be aware that legally the student enrolled in this course is responsible for all of the work assigned; therefore all work submitted must be your own. Students are responsible for being knowledgeable about what constitutes cheating and plagiarism. The instructor reserves the right to fail a student who engages in cheating or plagiarism. Violations of the MWCC Honesty Policy will be referred to the Dean of Academic Affairs for judicial review. Refer to the MWCC Policy on Academic Honesty for additional information.

STATEMENT ON DISABILITIES:

MWCC affirms its commitment to complying with Section 504 of the Rehabilitation Act of 1973 which states that “No otherwise qualified handicapped individual in the United States”…shall, solely by reason of a temporary or on-going disability condition, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

If you know or think that you have an academic, emotional/psychological and/or medical condition that significantly affects your learning experience please submit appropriate documentation to the Counselor for Students with Disabilities, Gardner Campus, as soon as possible. The Counseling or Students with Disability Services Team members are the designated persons to review your documentation, protect the confidentiality of the information disclosed, and to discuss the most reasonable accommodation options with you. Students who wish to access services based on a learning disability must provide current appropriate documentation. They are assisted with understanding their individual learning profiles. Appropriate adjustments are then recommended. Services, based on the recommendation, are provided through the academic support center. To access these services, contact the counselor for students with disabilities, (978) 630-9120.

In addition to the instructor, the College employs other staff who you may go to for support. They are:

- Donna Thibault, Counselor of Students with Disabilities, Room 135
- Diane King, College Nurse/Health Educator, Health and Wellness Office, Room 133

The above mentioned counselors must notify the course instructor if you qualify for special accommodations.

Withdrawal from Courses (refer to MWCC Catalog)

A student may formally withdraw from a course through the end of the ninth week of a full semester or fourth week of a cycle. A grade of “W” will be recorded on the student’s transcript. Students are required to speak to their instructor or assigned adviser before withdrawing from any course. The procedure for course withdrawal includes getting the proper form from the Enrollment Center in Gardner, bringing the form to their instructor or assigned adviser, and returning the signed form to the Enrollment Center. Please be advised that ceasing to attend a class may result in an instructor initiating the withdrawal from a class prior to the end of the ninth week. Course withdrawals will not be processed after the ninth week of classes. If the student stops attending after the ninth week of class, the student will receive an F grade. F’s are averaged into the Q.P.A. for all students. Any withdrawal may affect progress toward degree and future eligibility for financial aid. Contact the record’s office for information on your student records.
** Administrative withdrawals may occur after the ninth week as a result of extenuating circumstances by following the Withdrawal from College policy.

**ACADEMIC SUPPORT CENTER**
Tutoring is available in the Academic Support Center for all students who need help with their coursework. Both math and writing tutoring are available on a drop-in basis. Tutoring in other academic subjects is by appointment. Tutoring is available from 8:00 a.m. to 7:00 p.m. Monday through Thursday and 8:00 a.m. to 2:00 p.m. on Fridays. The Center, which is located in the Library, also features an open computer lab and testing services (make-up and extended time). Students need to call the Center at the Gardner campus to schedule tutoring appointments.

All MWCC students have access to “eTutoring,” free on-line professional tutoring in writing (all subjects), math (all levels), statistics, accounting, biology, chemistry, anatomy & physiology, Spanish, and research methods. To log in, go to www.eTutoring.org, click on Northeast Consortium, and use your student user name and password. Students can enter a chat room and work directly with a tutor, submit an e-question, or submit up to 3 drafts of a paper for tutor feedback. For more information, call 978-630-9333.
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<thead>
<tr>
<th>Week Beginning</th>
<th>Lecture/Class Topics (Tentative)</th>
<th>Lab Activities (LM = Lab Manual) (Tentative)</th>
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<tbody>
<tr>
<td>Jan 18</td>
<td>Ch. 1 The Human Organism</td>
<td>Lab Safety Ex 1: Scientific Method and Measurements</td>
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<td>Ex 2: Body Organization, Membranes, and Terminology</td>
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<tr>
<td>Jan. 23</td>
<td>Ch 2: The Chemical Basis of Life</td>
<td>Ex 3: Chemistry of Life, pH lab (handout)</td>
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<tr>
<td>Jan. 30</td>
<td>Ch 2: The Chemical Basis of Life</td>
<td>Ex 4: Care and Use of the Microscope</td>
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<td>Ch 3: Cell Structures &amp; Their Functions</td>
<td>Ex 5: Cell Structure and Function</td>
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<tr>
<td>Feb. 6</td>
<td>Ch 3: Cell Structures &amp; Their Functions</td>
<td>Ex 6: Movements Though Membranes</td>
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<td></td>
<td>Egg Lab (handout)</td>
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<td>Ex 7: Cell cycle</td>
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<td>Feb. 13</td>
<td><strong>Exam 1</strong> Ch 6: Histology &amp; Physiology of Bones</td>
<td>Ex 12: Bone Structure and Classification</td>
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<td>Ex 13: Organization of the Skeleton</td>
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<td>Ex 14: Skull</td>
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<tr>
<td>Feb. 20</td>
<td>Ch 6: Histology &amp; Physiology of Bones</td>
<td>Finish Ex 14</td>
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<td>Ch 8: Histology &amp; Physiology of Muscles</td>
<td>Ex 15: Vertebral Column and Thoracic Cage</td>
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<td><em>Feb. 20 President's Day—no classes on Monday</em></td>
<td>Ex 20: Skeletal Muscle Structure</td>
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<td><em>Feb. 23 is Monday schedule, no Thursday classes</em></td>
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<tr>
<td>Feb. 27</td>
<td>Ch 8: Histology &amp; Physiology of Muscles</td>
<td>Ex 16: Pectoral Girdle and Upper Limb</td>
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<td>Ex 17: Pelvic Girdle and Lower Limb</td>
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<td>Mar. 5</td>
<td><strong>Exam 2</strong> Ch 22: Nutrition, Metabolism, &amp; Temperature Regulation (pages 690-699)</td>
<td>Finish Ex 16 and Ex 17</td>
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<td>Selections of Ex 22-25: Muscles</td>
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<td>Glycerinated Muscle Lab (handout)</td>
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<td>Mar. 12</td>
<td><em>Spring Break</em></td>
<td><strong>No Classes</strong></td>
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<tr>
<td>Mar. 19</td>
<td>Ch 21: Digestive System</td>
<td><strong>Lab Exam 1</strong>: Skeletal Anatomy</td>
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<td></td>
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<td>Selections of Ex 22-25: Muscles</td>
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<td>Mar. 26</td>
<td>Ch 21: Digestive System</td>
<td>Ex 54: Digestive Organs, Dissection</td>
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<td><em>Mar. 27 – last day to withdraw from courses</em></td>
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<td>Apr. 2</td>
<td>Ch 22: Nutrition, Metabolism, &amp; Temperature Regulation (pages 699-717) <em>Advising/Registration Week</em></td>
<td>Ex 27: Nervous Tissue and Nerves</td>
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<td>Apr. 9</td>
<td><strong>Exam 3</strong>&lt;br&gt;Ch 10: Functional Organization of Nervous Tissue</td>
<td>Ex 28: Spinal Cord and Meninges&lt;br&gt;Ex 29: Reflex Arc and Reflexes</td>
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<tr>
<td>Apr. 16</td>
<td>Ch 10: Functional Organization of Nervous Tissue&lt;br&gt;<em>Mon. Apr. 16, Patriot’s Day – No Classes</em></td>
<td>Ex 30: Brain and Cranial Nerves&lt;br&gt;Ex 32: Dissection of the Sheep Brain</td>
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<tr>
<td>Apr. 23</td>
<td>Ch 11: Central &amp; Peripheral Nervous Systems</td>
<td>Ex 32: Dissection of the Sheep Brain</td>
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<tr>
<td>Apr. 30</td>
<td>Ch 11: Central &amp; Peripheral Nervous Systems&lt;br&gt;Ch 12: Integration of Nervous System Functions</td>
<td><strong>Lab Exam 2</strong>&lt;br&gt;Brain &amp; Spinal Cord Anatomy</td>
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<tr>
<td>May 4-8</td>
<td><strong>Final Exams</strong>&lt;br&gt;<em><em>Conflict Exam Day</em> May 9</em>*</td>
<td>Time &amp; day scheduled by the Record’s Office&lt;br&gt;*Applies only to exam conflict; requires prior arrangement with instructor; student must notify instructor prior to Apr. 15 if a conflict exists</td>
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Exam schedule, number, and type are subject to change based on needs of the students, instructor, and learning assessment. This outline may be modified as needed.