

Midland College Syllabus

2021 - 2022

BIOL 2404 Lecture and Lab

Anatomy and Physiology

4 Semester Credit Hours

(3 Lecture/4 Lab)

Core Curriculum Course

Instructor Information:

Instructor: [Click here to enter text.](#)

Phone: [Click here to enter text.](#)

Office Hours: [Click here to enter text.](#)

Office: [Click here to enter text.](#)

Email: [Click here to enter text.](#)

Notice: Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity may be reported as never attended and dropped from the course.

Course Description: Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content may be either integrated or specialized. This includes a variety of required home lab activities including partial dissection of a chicken.

Pre-Requisite: TSI complete in reading

Core Objectives:

This course fulfills four hours of the Life and Physical Science requirement in the Midland College **Core Curriculum**. The Core Curriculum is a set of courses that provide students with a foundation of knowledge, skills and educational experiences that are essential for all learning. Please visit the [Midland College Catalog](#) for any questions about the core. As part of the core, this course addresses the following four objectives:

Critical thinking skills –Students will demonstrate critical thinking by analyzing and applying appropriate terminology and knowledge of various levels of organization and of the interdependence of organ system physiology and anatomy as they pertain to both human anatomy and physiology and the interrelatedness of each in the maintenance of homeostasis.

Communication skills – Students will demonstrate communication skills in written, oral, and visual form within the classroom and laboratory setting through instructor posed questions, collaborative peer assignments, and exams.

Empirical and Quantitative skills – Students will demonstrate empirical and quantitative skills by analyzing real world examples of applied anatomy and physiology and testing hypotheses utilizing the scientific method through course assignments, exams, and lab activities.

Teamwork – Students will demonstrate teamwork skills by functioning as collaborative and cooperative small groups through the dissection of specimens and other lab activities verified by submitted reports or visual confirmation by the instructor.

Text, References and Supplies:

Lecture Textbook: Patton; Midland College Structure & Function.

ISBN: 9780323845427

Computer: Access to a working computer throughout the course with the ability to access the internet and Canvas

Student Learning Outcomes:

It is expected that the student will demonstrate knowledge of anatomical terminology, structure and organization of the human body, molecular biology, cytology, histology, the human skeletal system, musculature and muscle actions, the human nervous system, endocrine system, the cardiovascular system, lymphatic organs; digestive, respiratory, urinary and reproductive systems.

Student Contributions, Responsibilities and Class Policies:

It is the student's responsibility to read and understand the official Midland College attendance and withdrawal policies as stated in the college catalog. Students that are tardy, take excessive break time, or leave before completion of the day's exercise (including proper clean-up), may be counted absent. This will be at the discretion of the instructor. Attendance is required. It is the student's responsibility to contact the instructor regarding absences. Students are expected to be present in class and lab on time.

The last day for withdrawal is published in the catalog and the current course schedule. To drop a course, the student must complete an official withdrawal form with Student Services.

Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject.

For safety concerns, students are not allowed to eat or drink in the laboratory, and are expected to follow all safety guidelines as instructed.

Students are strongly encouraged to seek extra help if they are having difficulty with the assigned material.

Course Schedule:

This class meets for 3 lecture hours per week and 4 laboratory hours per week. For a tentative schedule of the class meetings and laboratory meetings, please refer to the schedule distributed to each student of the first class meeting (See Instructor Handout).

Evaluation of Students:

The course grade will be determined as follows:

| | |
|--|-----|
| Combination Lecture/Lab Exams | 60% |
| Summation of Quizzes, Labs, Attendance, Homework | 40% |

Grades will be assigned as follows: A=90-100; B=80-89; C=70-79; D=60-69; F=below 60. There will be no exceptions to these grade ranges.

Exams will be given at the discretion of the instructor. Administration of 0 or 1 make-up exam will be at the discretion of the instructor.

Non-Discrimination Statement

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individual has been designated to handle inquiries regarding the non-discrimination policies:

Tana Baker

Title IX Coordinator/Compliance Officer
3600 N. Garfield, SSC 131
Midland, Texas 79705
(432) 685-4781
tbaker@midland.edu

For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

Americans with Disabilities Act (ADA) Statement:

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit www.midland.edu/accommodation and complete the Application for Accommodation Services located under the Apply for Accommodations tab. Services or accommodations are not automatic, each student must apply and be approved to receive them. All documentation submitted will be reviewed and a "Notice of Accommodations" letter will be sent to instructors outlining any reasonable accommodations.

Math & Science Division Information:

Division Office: AHSF 124 (432) 685-4561
Division E-Mail: mns@midland.edu

Department Chair: Mr. Tomas Hernandez (432) 685-6751
Dean: Dr. Miranda Poage
Secretary: Sarah Anderson

Clerk: Liliana Orcutt

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