

**BIO 150: Inquiry to Human Biology
ANDERSON UNIVERSITY (SC)**

I. Course Information

BIO 150: Inquiry to Human Biology

Credit hours: Four (4)

Prerequisites: None

Target student audience: Non-Biology Majors; Freshman or Sophomores

Lecture meeting times:

Lab meeting times:

Course begins on: and ends on:
Students are expected to study at least per week for this course.

II. Instructor Information

See Canvas

III. Course Purpose, Student Learning Outcomes, and Course Learning Goals

Course Purpose: Human Biology is an introduction to the principles of modern biology using humans as the model system. Topics include human anatomy, physiology, genetics, nutrition, and disease. This course is designed for non-biology majors and does not have any prerequisite. BIO-150 requires a lab and carries a credit of four semester hours.

Student Learning Outcomes:

[NW] Knowledge of the physical and natural world

- 1) Student Learning Outcome (SLO) #1: Through the inquiry process, students will be able to demonstrate knowledge of the fundamental concepts of the scientific method as applied to the relevant course content.

[CT] Critical thinking skills: inquiry, analysis and creative problem solving

- 2) Student Learning Outcome (SLO) #2: Students will be able to evaluate, in terms of scientific merit, claims brought forth in various media relevant to the course content.

Course Learning Goals:

- 1) To be able to demonstrate knowledge of the fundamental concepts of the scientific method as applied to the relevant course material.
- 2) To evaluate, in terms of scientific merit, claims brought forth in various media relevant to the course-content.

IDEA Course Evaluation Objectives:

1. [Gaining a basic understanding of the subject \(e.g., factual knowledge, methods, principles, generalizations, theories\)](#)
2. [Learning to Apply Course Material \(to improve thinking, problem solving, and decisions\)](#)
3. [Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course](#)

IV. Method(s) Of Instruction / General Operating Procedures

Lecture: There are (2) lecture classes per week, 75 minutes each. Lecture assignments will be provided in CANVAS and used to instruct each laboratory. Practical hands on work will be included to aid in understanding the material.

Laboratory: There is one (1) laboratory class per week, 120 minutes. Lab assignments will be assigned from your lab text and used to instruct each laboratory. Practical hands on work will be included to aid in understanding the material. You must always wear proper wet lab dress to be allowed into the lab and receive points or take part of the lab, no exceptions. Proper Wet lab dress = Lab coat, close toed shoes, long pants/skirt, hair secured back. Gloves and safety glasses are provided.

Learn Smart Connect Assignments: The assigned LearnSmart Connect homework are designed to build upon the material presented in the classroom.

The professor reserves the rights to alter, add to, or delete requirements of the syllabus based upon the professor's judgment of what is best for the educational purposes of a particular class. Changes in class requirements and their influence on the final grade for the course will be discussed in class in advance and posted in CANVAS.

V. Content Outline / Course Calendar

Lecture: See Canvas

Lab: See Canvas

Schedule: See Canvas

VI. Assignments; Method(s) Of Assessing Achievement of Student Learning Outcomes; Student Feedback and Grading Policies and Procedures

See Canvas

Grading Rubric:

See Canvas

Course Grading Value System:

1000 – 900 = A
899 – 800 = B
799 – 700 = C
699 – 600 = D
599 or less = F

VII. Textbook(s), Supplementary Readings, Required Materials

Text: Mader, Sylvia S. 2016. *Human Biology*, 16th ed. McGraw-Hill, Boston.

Lab Manual: Mader, Sylvia S. 2016. *Laboratory Manual: Human Biology*, 16th ed. McGraw-Hill, Boston.

Current new Learn Smart Connect for on-line access to course material, McGraw-Hill, Boston.

Lab Coat

As an adult student, you are responsible for yourself. You are required to have your lab coat, textbooks, and appropriate Learn Smart Connect access code from McGraw-Hill by the second (2nd) class.

If you miss a lecture exam, you may replace it with the grade from the final exam. Likewise, I will replace your lowest lecture exam grade with the lecture final exam grade if the final is higher.

VIII. Computer and Information Technology Use

Excel will be used for graphing and data management related to the lab activities. The written assignments will require word processing software.

E-mail communication with the instructor is available and required.

PowerPoint or other presentation platforms will be used for presenting data and materials related to lecture and lab activities.

For science classes, students are expected to check their Anderson University e-mail account and CANVAS on a daily basis. The instructor has the right to send course information, course changes, and/or assignments via e-mail or on CANVAS with the assumption that all students will read the material within 24 hours of its delivery to their school e-mail account or CANVAS.

Online resources may be used in conjunction with lecture and lab activities. All Power points, notes, media and miscellaneous course resources will be posted on Anderson University's Canvas which can be accessed via the link on AU website under the "Resources" tab, or on McGraw-Hill Connect website.

1. **Microsoft Word, PowerPoint, and Excel may be utilized.**
2. **Email communication with the instructor is required.**

[REDACTED]

[REDACTED]

IX. Course Policies

Disabilities and Academic Adjustments Policy:

If you have a disability that may interfere with your learning, testing, or assignment completion in this course, you may be eligible to receive an academic adjustment to help provide you with an equal opportunity to participate in and benefit from this course. Please contact the Coordinator of Accessibility Services in the Center for Student Success, who will advise you on appropriate documentation, determine reasonable adjustments, and notify me of any adjustments for which you are eligible. Once you have been approved for an academic adjustment through the Center for Student Success, please discuss with me for its appropriate implementation in this course. Documentation must meet the guidelines specified by university policy, and no one else can be notified of your disability or adjustment without your written consent. This process must be repeated for every semester you are enrolled at Anderson University and wish to receive an adjustment. Academic adjustments are intended to "level the playing field" so that students with disabilities can demonstrate their true abilities in their courses. Changes cannot be made to grades earned before a student has requested an adjustment, so please attend to this early in the semester.

Academic Honesty:

Students at Anderson University are expected to conduct themselves with integrity and to be honest and forthright in their academic endeavors. The University faculty's expectations define the following areas that would violate Academic Honesty: plagiarism, fabrication, cheating, and academic misconduct. The policy, process, and penalties for academic dishonesty are described in the Student Handbook. (Excerpt from AU Catalog)

Permission for or Prohibition of Recording Lecture/Class Meetings:

Audio or video recordings of lectures and classroom discussions are NOT permitted in this class. AU values the open exchange of ideas which occurs more freely if the participants know that comments and discussions will not be recorded and shared.

Recording of lectures is permitted only if permission is secured in advance from the Center for Student Success and the course instructor is notified. Recordings can be used only to assist the individual student in that class. Publishing, distributing, or using classroom recordings in violation of these restrictions is a violation of the student code of conduct and may be a violation of federal copyright laws.

Attendance/Participation Policy:

Syllabus changes: The professor reserves the right to, alter, add to, or delete requirements of the syllabus based upon the professor's judgment of what is best for the educational purposes of a particular class. Changes in class requirements and their influence on the final grade for the course will be discussed in class in advance and distributed in writing or via e-mail.

Students are expected to participate and attend all classes. If you have an unexcused absence, attendance and class participation work will be forfeited. If you earn more than three (3) unexcused absences, you will be dropped from this course.

Late Work Policy:

Work turned in late, will lose one letter grade per day late.

Last day to Drop with no grade; Last day to Withdraw with a W grade on transcript:

Course Begins: [REDACTED]

Last Day to Drop with NO GRADE: [REDACTED]

Course will not appear on student transcript

Last Day to Withdraw with a Grade of "W": [REDACTED]

Course will appear on student transcript

Last Day of Class: [REDACTED]

Course Ends: [REDACTED]

X. Other Learning Facilities and Resources Pertinent to Course

Thrift Library

Hours are posted at <https://www.andersonuniversity.edu/library> (Closed on all university holidays.)

Bunton Lab

Located in Thrift Library, 2nd floor.

The Writing and Multi-Media Center

Located in Thrift Library, 2nd floor. For drop-in hours and appointment-based tutoring for all your writing needs, see <https://www.andersonuniversity.edu/writing-center>. Schedule an appointment by visiting <https://anderson.mywconline.com>.

The Center for Student Success

Located in in Thrift Library, 2nd floor. The Center provides support for academic assistance, tutoring services, as well as study skills seminars. Call 864-328-1420 to contact the Center or visit their website at <http://www.andersonuniversity.edu/student-success>.

XI. **ANDERSON UNIVERSITY STATEMENT OF FAITH**

From the Board of Trustees and Administration at Anderson University

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Statement of Faith

Anderson University, since its founding in 1911, has been a community of Christian scholars.

The vision for Anderson University is that it will be *a premier learning place, serving its students, community, and churches, while upholding the teachings of Jesus Christ*. In recent years greater value has been placed on recruiting and retaining Christian teachers who have a deep personal faith in Jesus Christ, who speak openly of their relationship with Christ, and are active in serving God through their churches.

As one of the foundations of the Christian faith we hold and teach, we affirm the Christian doctrine of creation as outlined in the *Baptist Faith and Message*, 2000 version: "There is one and only one living and true God. He is an intelligent, spiritual, and personal Being, the Creator, Redeemer, Preserver, and Ruler of the universe. Man is the special creation of God, made in His own image. He created them male and female as the crowning work of His creation."

At Anderson University evolution is taught as theory and not as fact.