

Mayville State University

BIOL220, Anatomy & Physiology I

FALL 2025

3 credits

Course and Instructor Information

Instructor Name: Taylor Kollross, PhD

Contact Information:

Office: SB140

Email: taylor.kollross@mayvillestate.edu

Work phone: 701-788-4791

Hours of Availability:

Monday, Wednesday and Friday: 9am-11am

Tuesday and Thursday: 10am-11am

Also available for meetings on other days and times by appointment.

Office Hours Meeting Link: please email at taylor.kollross@mayvillestate.edu to set up a zoom app during office hours.

Instructional Mode: Online asynchronous

Course Dates: August 26 – December 19, 2025

Time Zone: All times indicated throughout this syllabus reflect Central Time (CT).

Meeting Times and/or Location: NA

Final Exam Time and Location: Due by 11:59 PM Tuesday December 16

Zoom or Teams Link

Course Materials and Technologies

Required

[MSU Technology Requirements](#)

Access to Openstax OER textbook (<https://openstax.org/books/anatomy-and-physiology-2e/pages/1-introduction>)

Recommended

Use of Artificial Intelligence in this Course

Forms of AI, such as ChatGPT, can be helpful study tools. However, copying a response from ChatGPT is still plagiarism and is subject to penalty. Use it as a resource, not as the answer.

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Course Description

Three lecture hours per week. The study of anatomy and physiology of the human body will be studied as an integrated topic. This is the first course of a two course sequence. Topics covered in this course will include organization from atomic structure to organ level structure, the integumentary system, skeletal, muscular, respiratory and cardiac systems. **Pre-/Co-requisites:** BIOL 111 or BIOL 150 or equivalent and CHEM 121 are highly recommended. Corequisite: BIOL 220L. Fall, Spring, Summer.

Course Objectives

To successfully complete this course, the learner will be expected to meet the following objectives, as aligned to Composite Science Education Program Approval Standards through North Dakota's Education Standards and Practices Board (ND ESPB):

- Understand the organization of the human body and anatomical terminology.
- Understand the chemical basis of life, cell structure and organization
- Understand the characteristics of the four tissue types.
- Understand the organization and function of the skeletal system
- Be able to explain the composition and physiology of osseous tissue.
- Be able to explain the organization and physiology of muscle/muscle contraction.
- Understand the organization and function of the circulatory system, including tracing the path of blood through the heart and body.
- Understand the organization and function of the lymphatic system and its role in the immune system.
- Understand the inner workings of the immune system and the function of the different cell types.
- Understand the organization and function of the respiratory system in conjunction with cardiovascular system.

Standards Alignment (Composite Science Education Program Approval Standards-ND ESPB):

13047.1 Composite Science Major/General Science The composite/general science program requires that environmental science be incorporated within other courses or as a separate course. The composite/general science program requires: 1. Coursework in biology, chemistry, physics, and earth science, including: a. Minimum of twenty four semester hours in one area, b. Minimum of twelve semester hours in two other areas, c. Minimum of four semester hours in the fourth area, d. Courses must be from those that the institution allows toward graduation in the science major. 2. Study of mathematics through the pre-calculus level (college algebra and above) and statistics

Course Expectations

Instructor/Student Communication

Students are accountable for all academic communications sent to their Mayville State University email address. Instructor is not responsible for e-mails not responded to if not sent from a non-university e-mail address. Faculty response time can be up to 72 hours.

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Assignments and Assessments

Extensions will not be granted without documentation to support a university approved absence. Unsupported late submissions will receive a zero. All evidence of plagiarized material (whether a classmate, AI, or another resource) will receive a zero.

Evaluation and Grading

Grading Policies

All assignments will be graded within two weeks of the due date.

Attendance/Participation Policies

Extensions will not be granted without documentation to support a university approved absence. Unsupported late submissions will receive a zero. You can work ahead, but you cannot fall behind.

Grading Scale

Grades (%):

90-100 A
80-89 B
70-79 C
60-69 D
< 60 F

Breakdown of Grades

Exams (5)	462 points
Assignments	394 points
Quizzes (10)	50 points
Total	906 Points

Enrollment Verification

Online Course Statement

The U.S. Department of Education requires instructors of online courses to provide an activity which will validate student enrollment in this course. The only way to verify that a student has been in this course is if he, she, or they perform an action in the LMS, such as completing an assignment or taking a quiz. Logging into the LMS is **NOT** considered active course participation. Please complete the designated enrollment verification activity by the date indicated. If it is not complete your enrollment in this course will be at risk.

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Proctor Notification

This course will use an asynchronous proctoring solution called YuJa Verity. Contact Robert Davis for assistance.

Important Student Information

In the Announcements section of the Blackboard Institution Page, you can view and download the Important Student Information document for the current academic year. It includes information about:

- ✓ Land Acknowledgement Statement
- ✓ Academic Grievance Concerns and Instructor English Proficiency
- ✓ NetTutor - Online Tutoring Program
- ✓ Starfish - Student Success System
- ✓ Students with Documented Disabilities
- ✓ Student Learning Outcomes / Essential Learning Outcomes
- ✓ Academic Honesty
- ✓ Emergency Notification
- ✓ Continuity of Academic Instruction for a Pandemic or Emergency
- ✓ Family Educational Rights and Privacy Act of 1974 (FERPA)
- ✓ Diversity Statement (Title IX)

Essential Studies

As part of Mayville State University's Essential Studies curriculum, this course seeks to prepare students for twenty-first-century challenges by gaining: 1) Knowledge of human cultures; 2) Intellectual and practical skills; 3) Personal and social responsibility; 4) Integrative and applied learning.

Course Timeline/Schedule

WEEK	DATE	DESCRIPTION
1	MON AUG 25	<ul style="list-style-type: none">○ Enrollment verification-setting up Yuja Verity (Due Friday)○ Enrollment verification test (Due Friday)○ Enrollment verification Introduction on chatboard (Due Friday)○ Chapter 1 Lecture○ Chapter 1 Activity○ Chapter 1 Review○ Chapter 1 Quiz○ Chapter 1 extra credit

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2	MON SEP 1	<ul style="list-style-type: none">○ Chapter 2 Lecture○ Chapter 2 Activity-Discussion Post○ Chapter 2 Review○ Chapter 2 extra credit○ Exam 1 (chapters 1 and 2)
3	MON SEP 8	<ul style="list-style-type: none">○ Chapter 3 Lecture○ Chapter 3 Activity-Journal Entry #1○ Chapter 3 Review○ Chapter 3 Quiz○ Chapter 3 extra credit
4	MON SEP 15	<ul style="list-style-type: none">○ Chapter 4 Lecture○ Chapter 4 Activity○ Chapter 4 Review○ Chapter 4 Quiz○ Chapter 4 extra credit○ Exam 2 (chapters 3 and 4)
5	MON SEP 22	<ul style="list-style-type: none">○ Chapter 5 Lecture○ Chapter 5 Activity-Journal Entry #2○ Chapter 5 Review○ Chapter 5 Quiz○ Chapter 5 extra credit
6	MON SEP 29	<ul style="list-style-type: none">○ Chapter 6 Lecture○ Chapter 6 Activity○ Chapter 6 Review○ Chapter 6 Quiz○ Chapter 6 extra credit
7	MON OCT 6	<ul style="list-style-type: none">○ Chapter 7 Lecture○ Chapter 7 Activity-Discussion Post○ Chapter 7 Review
8	MON OCT 13	<ul style="list-style-type: none">○ Chapter 8 Lecture○ Chapter 8 Activity-Discussion Post○ Chapter 8 Review○ Exam 3 (chapters 5-8)
9	MON OCT 20	<ul style="list-style-type: none">○ Chapter 9 Lecture○ Chapter 9 Activity-Journal Entry #3○ Chapter 9 Review○ Chapter 9 Quiz○ Chapter 9 extra credit

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10	MON OCT 27	<ul style="list-style-type: none">○ Chapter 10 Lecture○ Chapter 10 Activity○ Chapter 10 Review○ Chapter 10 Quiz○ Chapter 10 extra credit
11	MON NOV 3	<ul style="list-style-type: none">○ Chapter 11 Lecture○ Chapter 11 Activity-Discussion Post○ Chapter 11 Review○ Exam 4 (chapters 9-11)
12	MON NOV 10	<ul style="list-style-type: none">○ Chapter 18 Lecture○ Chapter 18 Activity○ Chapter 18 Review○ Chapter 18 Quiz○ Chapter 18 extra credit
13	MON NOV 17	<ul style="list-style-type: none">○ Chapter 19 Lecture○ Chapter 19 Activity-Discussion Post○ Chapter 19 Review
14	MON NOV 24	<ul style="list-style-type: none">○ Chapter 20 Lecture○ Chapter 20 Activity-Discussion Post○ Chapter 20 Review
15	MON DEC 1	<ul style="list-style-type: none">○ Chapter 21 Lecture○ Chapter 21 Activity○ Chapter 21 Review○ Chapter 21 Quiz○ Chapter 21 extra credit
16	MON DEC 8	<ul style="list-style-type: none">○ Final Project-Discussion Post○ Exam 5 (chapters 18-21) <p>Final project and exam due December 16 at 11:59 PM</p>