Mayville State University

BIOL220L – Anatomy & Physiology Lab
Spring 2025
1 Credit Hours

Course and Instructor Information

Instructor Name: Dr. Taylor Kollross, Dr. K

Contact Information: SB140, taylor.kollross@mayvillestate.edu

Hours of Availability: spring office hours posted outside office door.

Instruction Mode: online asynchronous

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

Course Materials and Technologies

Required

This course will utilize Openstax Anatomy & Physiology, which is an open resource textbook. Digital ISBN: 978-1-951693-42-8 and website URL: https://openstax.org/details/books/anatomy-and-physiology-2e/
Access to internet
Microsoft Office
Access to a computer

Recommended

Course Description

Pre-/Co-requisites: Most students will also need BIOL 220. This is dependent upon student need.

Course Objectives

- 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 identify the bones of the body.
- Be able to identify the major muscles found in the body.
- Understand the organization and function of the circulatory system, including tracing the path of blood through the heart.
- 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 relation to cardiovascular system.

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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.

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 2 weeks.

Attendance/Participation Policies

Extensions will not be granted without documentation to support a university approved absence. Unsupported late submissions will receive a zero.

Grading Scale

Grades (%):		
90-100	A
80-89	B
70-79	C
60-69	D
< 60	F

Breakdown of Grades

Practical Exams	100 (2 worth 50 points)
Assignments	175 points (5 worth 10 points, 5 worth 25 points)
Total	275 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.

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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.

The enrollment activity for this course can be found in the folder titled "enrollment verification" in blackboard. Please take note of the deadline listed on the blackboard activities.

Proctor Notification

No proctoring is required for this course.

Instructional Strategies (Required for Teacher Education and Nursing program courses. Otherwise, optional.)

We will use the following methods to assist you in your learning anatomy and physiology. (INTASC 1, 2, 3, 4, 8)

- Direct instruction
- Indirect instruction
- Interactive instruction
- Experimental learning
- Guided and independent study
- Cooperative learning activities
- Class Discussions
- Application
- Inquiry approach
- Simulations
- Questioning skills

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)

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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

Lab Topic	Due Dates
Lab 1- Enrollment Verifications	1/21/25
Lab 2 – Anatomical Terminology	2/4/25
Lab 3 - Chemistry	2/18/25
Lab 4 – Diffusion/Osmosis	3/4/25
Lab 5 – Cell Structures/Functions	3/18/25
Lab 6 – Tissues Once Lab 6 is submitted, Lab Practical 1 Opens (Due Date 4/1/25 5pm CST)	3/25/25
Lab 7 – Integumentary System	4/1/25
Lab 8 – Axial Skeleton	4/8/25
Lab 9 – Appendicular Skeleton	4/15/25
Lab – 10 Organization of Muscle Tissue	4/22/25
Lab 11 – Heart Heart Dissection Lab Final Due 5/6/25 5pm CST	4/29/25

Lab Practicals

Two open-book exams must be completed during the semester. The first will be associated with materials covered in the labs up to and including tissues, and the final exam will cover the remaining labs. Materials to be considered in writing the exams will include both objective materials learned during the labs, and applications associated with the structures and systems studied. Identification of structures in photographs and line art is included in the exams.