Mayville State University

BIOL220 – Anatomy & Physiology Lecture

Spring 2025
3 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
Access to Yuja Verity (proctoring software)

Recommended

Course Description

Pre-/Co-requisites: Most students will also need BIOL 220L. 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 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.

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

All exams will be proctored utilizing Yuja Verity. 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

Exams (5)	500 points (may not be evenly distributed)
Chapter Reviews (10)	200 points
Activities/assignments (20)	200 points (approximately)
Quizzes (10)	50 points
Total	950 points (tentatively)

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.

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

This course will use an asynchronous proctoring solution called YuJa. Optimization of this software will occur during the enrollment verification period. PLEASE refer back to these lists and video tutorials if problems arise for future exams.

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
- Chapter Exams
- Application
- Inquiry approach
- Simulations
- Questioning skills
- Case Studies
- Instructional strategies

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

DUE DATE	**Tentative Course Schedule**
January 17th :	All enrollment verification items, pre-content items
January 21st :	Chapter 1 – Introduction to Anatomy and Physiology
	Activity 1
	Activity 2
	Chapter Review
	Study Guide for Chapter 1
	Quiz for Chapter 1
January 28th :	Chapter 2 – Chemical Level of Organization
	Activity 3
	Activity 4
	Chapter Review
	Study Guide for Chapter 2

Quiz for Chapter 2

Exam 1 (Chapters 1 & 2) Open until February 4th 5pm CST

February 11th : Chapter 3 – Cellular Level of Organization

Activity 5

Activity 6

Chapter Review

Study Guide for Chapter 3

Quiz for Chapter 3

February 18th: Chapter 4 – Tissue Level of Organization

Activity 7

Activity 8

Chapter Review

Study Guide for Chapter 4

Quiz for Chapter 4

Exam 2 (Chapters 3 & 4) Open until February 25th 5pm CST

March 4th: Chapter 5 – Integumentary System

Activity 9

Activity 10

Chapter Review

Study Guide for Chapter 5

Quiz for Chapter 5

March 18th : Chapter 6 – Bones and Bone Structure

Activity 11

Activity 12

Chapter Review

Study Guide for Chapter 6

Quiz for Chapter 6

Exam 3 (Ch 5 & 6) Open until March 25th 5pm CST

April 1st: Chapter 8 – Joints/Articulations

Activity 13

Activity 14

Chapter Review

Study Guide for Chapter 8

Quiz for Chapter 8

April 8th: Chapter 9 – Skeletal Muscle Tissue

Activity 15

Activity 16

Chapter Review

Study Guide for Chapter 9

Quiz for Chapter 9

Exam 4 (Chapters 8 & 9) Open until April 15th 5pm

April 22nd : Chapter 17 & 18 – Blood & The Heart &Cardiovascular Function & Blood Vessels & Circulation

Activity 17

Activity 18

Chapter Review

Study Guide for Chapter 17 & 18

Quiz for Chapter 17 & 18

April 29th: Chapter 20 – The Lymphatic System and Immunity***

Activity 19

Activity 20

Chapter Review

Study guide for Chapter 20***

Quiz for Chapter 20 ***

***Semi Cumulative Exam 5 (Chapters 17, 18 & 20 differs depending upon which text is being used, students need to check content and version of text used) May 6th 5pm. This exam may contain information (not questions from previous exams) from previous chapters.