



North Central State College

MASTER SYLLABUS

2025-2026

- A. Academic Division: Health Sciences
- B. Discipline: Science
- C. Course Number and Title: BIOL2752 Human Anatomy & Physiology II
- D. Assistant Dean: Heidi Kreglow, PT
- E. Credit Hours: 4
Lecture: 3 hours
Laboratory: 3 hours
- F. Prerequisites: BIOL2751 with minimum C minus (C-) grade
- G. Last Course/Curriculum Revision Date: Spring 2025 Origin date: 03/10/2011
- H. Textbook(s) Title:
- Visual Anatomy & Physiology*
- Author: Martini
 - Copyright Year: 2018
 - Edition: 3rd
 - ISBN #: 9780134394695 (Hard Copy) ISBN #: 9780134454658 (E-Book)
ISBN #: 9780134472195 (Loose-Leaf) Three options available through Campus Bookstore.
- I. Workbook(s) and/or Lab Manual:
- Atlas of the Human Body (optional)*
- Authors: Martini
 - Copyright Year: 2015
 - Edition: 10th
 - ISBN #: 9780321940728
- The Anatomy Coloring Book (optional)*
- Authors: Kapit and Elson
 - Copyright Year: 2014
 - Edition: 4th
 - ISBN #: 9780321832016
- Pocket Anatomy & Physiology (optional)*
- Author: Jones, Shirley A.
 - Copyright Year: 2021
 - Edition: 4th
 - ISBN #:9781719642958

J. Course Description: This course is a continuation of BIOL2751. It includes the study of structure and function of blood and the cardiovascular, lymphatic/immunity, digestive, respiratory, urinary, and reproductive systems. Laboratory exercises are designed to supplement lecture topics and include microscopy, the study of models, cat and specimen dissection, cadaver study, and physiological experiments. (OTM approved course in Natural Sciences TMNS)

K. College-Wide Learning Outcomes

College-Wide Learning Outcomes	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	Critical Thinking VALUE rubric -- selected questions from mid-term & final exam
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Identify the major microscopic components of blood, describe their functional roles in the cardiovascular system, and explain the principles governing transfusions and blood typing.	Exams, quizzes, practical lab tests throughout the semester
2. Identify and describe the major microscopic and macroscopic anatomical components of the cardiovascular system and explain their functional roles in transport and hemodynamics.	Exams, quizzes, practical lab tests throughout the semester
3. Identify and describe the major circuits of lymphatic drainage, the role of the lymphatic system in fluid dynamics and immunity.	Exams, quizzes, practical lab tests throughout the semester
4. Identify and describe the major microscopic and macroscopic anatomical components of the digestive system and explain their functional roles in nutrition, digestion, absorption, metabolism and elimination.	Exams, quizzes, practical lab tests throughout the semester
5. Identify and describe the major microscopic and macroscopic anatomical components of the respiratory system and explain their functional roles in external and internal respiratory processes.	Exams, quizzes, practical lab tests throughout the semester
6. Identify and describe the major microscopic and macroscopic anatomical components of the urinary system and explain their functional roles in body fluid homeostasis.	Exams, quizzes, practical lab tests throughout the semester
7. Identify and describe the physiology of the basic homeostasis mechanisms that control fluid, electrolyte, and acid-base balance.	Exams, quizzes, practical lab tests throughout the semester
8. Identify and describe the major microscopic and macroscopic anatomical components of the reproductive system and explain their functional roles in reproduction and inheritance.	Exams, quizzes, practical lab tests throughout the semester

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior
90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70-72	C-	1.67	Below Average
67–69	D+	1.33	Below Average
63-66	D	1.00	Below Average
60-62	D-	0.67	Poor
00-59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences. Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

Important information regarding College Procedures and Policies can be found on the syllabus supplement located at

<https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf>



North Central State College
SYLLABUS ADDENDUM

Academic Division: <u>Health Sciences</u>	Discipline: <u>Biology</u>
Course Coordinator: <u>Justin Tickhill</u>	
Course Number: <u>BIOL2752</u>	Course Title: <u>Human Anatomy & Physiology II</u>
Semester / Session: <u>Summer 2026</u>	Start / End Date: <u>05/25/2026 thru 07/16/2026</u>

Instructor Information

Name: <u>Tony Miller (Lecture Instructor)</u>	Credentials <u>Doctorate of Philosophy Ecology and Evolutionary Biology</u>
Phone Number: <u>4197554548</u>	Email Address <u>jmiller2@ncstatecollege.edu</u>
Office Location <u>See Announcement on Canvas</u>	Office Hours <u>See Announcements in Canvas</u>
Name <u>Amy Elderbrock (Lab Instructor)</u>	Credentials <u>Masters of Science in Biology</u>
Phone Number <u>See announcements on Canvas</u>	Email Address <u>aelderbrock@ncstatecollege.edu</u>
Office Location <u>Zoom</u>	Office Hours <u>See Announcements in Canvas</u>

I. Topical Timeline (Subject to Change):

Week	Date	Day	What is happening
1	25 May	Mon	NO LECTURE: Memorial Day
	27 May	Wed	Blood Part 1-3
2	1 June	Mon	Blood Part 4 and Lymph QUIZ 1 (All blood)
	3 June	Wed	Cardiovascular Part 1 EXAM 1 (Blood and Lymphatic System)
3	8 June	Mon	Cardiovascular Part 2 QUIZ 2 (up to blocks)
	10 June	Wed	Cardiovascular Part 3 QUIZ 3 (up to bulk flow)
4	15 June	Mon	Cardiovascular Part 4 QUIZ 4 (blood vessels)
	17 June	Wed	Digestive System Part 1 EXAM 2 (Cardiovascular)
5	22 June	Mon	Digestive System Part 2 QUIZ 5 (All digestion)
	24 June	Wed	Respiratory System Part 1 EXAM 3 (Digestive)
6	29 June	Mon	Respiratory System Part 2 QUIZ 6 (Most respiratory)
	1 July	Wed	Urinary System Part 1 EXAM 4 (Respiratory)
7	6 July	Mon	Urinary System Part 2 QUIZ 7 (Kidney to RAAS) QUIZ 8 (RAAS to End)
	8 July	Wed	Reproductive System Part 1 EXAM 5 (Urinary)
8	13 July	Mon	Reproductive System Part 2 QUIZ 9 (All Reproduction)
	15 July	Wed	QUIZ 10/ FINAL EXAM

Course Number: BIOL 2752
Semester / Session: Summer 2026

Course Title: Human Anatomy & Physiology II
Start / End Date: 05/25/2026 thru 07/16/2026

II. Course Assignments:

100 points (5% of overall grade) Graded in LAB: The lab section will have points associated with a Pre-lab activity and a Post-lab activity

50 points (2.5% of overall grade) Graded in LAB: For being present and completing the lab attendance. More details will be made available in your lab section (Check there).

50 points (2.5% of overall grade) Graded in LECTURE: for being present and completing the LECTURE attendance. More details will be made available in your lecture section (Check there).

180 points (9% of overall grade) Graded in LECTURE: There will be ten (10) quizzes given throughout the semester. Each quiz will be worth 20 points and the lowest quiz will be dropped. Quizzes CANNOT be taken after the due date. If you miss a quiz, consider it your dropped quiz.

500 points (25% of overall grade) Graded in LAB: There will be five (5) lab exams during the semester, each will be worth 100 points. These will be fill in exams based on materials, images or scenarios presented in the lab section.

800 points (40% of overall grade) Graded in LECTURE: There will be five (5) module exams for modules 1-5. Each Module exam will be worth 160 points. This will total 800 points for the semester.

320 points (16% of overall grade) Graded in LECTURE: The FINAL EXAM will contain questions covering the entire semester. It will have a large section devoted to the module 6 materials as well. This exam is worth 320 points.

This means that there are 2000 points available for the semester.

III. Grading and Testing Guidelines:

Academic Dishonesty/Plagiarism

Cheating is not necessary, nor will it be tolerated. I care about your work and the integrity of this course. You owe it to your future patients to be knowledgeable and trust worthy. Cheating takes both of these from you and makes you **dangerous** in the Health Care field.

Cheating will result in failure of the assignment, and could possibly result in failure of the course and per college student conduct procedures, may result in dismissal from the college.

Exam Procedure: ALL students will be expected to take **the exams** at the **same time** (unless one of the "Excused Absence Policy (page 5)" is met). This is for a number of reasons but most importantly SO I CAN HELP YOU IF SOMETHING GOES WRONG. I will be ONLINE monitoring each EXAM as you take it, fixing any issues as they arise. I want to be there to help you and I cannot be there a 3:00AM. I want you to know that I care and I am there for you. We will set the exam time as the normal lecture course time. Exams will be taken via the learning management system, Canvas.

Quiz Procedure: Quizzes can be taken at any time **BEFORE** the **due date**. After the due date, I will be opening the answers for you to check your work. This will prevent me from being able to open a quiz after the due date. If something that would be covered in the "Excused Absence Policy (page 5)" occurs, **CONTACT ME**

(see Hello, Who am I? Who are you? (page 1) for contact information) and we will find a fair solution (fair to ALL students, not just you).

Late Policy: I do not accept late work. Please note time frames and plan accordingly. Please contact me if something occurs that is covered in the "Excused Absence Policy (page 5)"

VI. Classroom Expectations:

All communications & conduct in this course is subject to the NC State Student Code of Conduct

General Professionalism Expectations

In general, as a future professional in your field, **you will be expected to conduct yourself as a professional in this course in ALL communications** - assignments, discussion forums, Canvas Inbox, emails etc.

This expectation includes *but is not limited to*:

- **Being respectful of classmates' opinions, work and comments**
Good test = Is this something I would/should say to a co-worker in person?
- **Being respectful in communications with the instructor**
Good test = Is this something I would/should say to my boss in the workplace?
- **Being respectful of others**
Good test = Is this a comment/joke that is at some other groups, ethnicity, political etc. expense?
Note: Offensive "jokes", slurs or hate speech will NOT be tolerated
 - **This will immediately escalate to a second level offense if it occurs.**
- **Using Non-Profane, Appropriate Language**
Good test = Is this language you would use in the workplace or in front of your grandmother?
- **Using proper. NON-"Text speak" Language to make Yourself Easily Understood**
Good test = Could my older boss understand what I have written?

Consequences for Failure to Meet These Expectations

Failure to meet these standards will result in the following consequences in this course:

1st Level=

Written warning from the instructor documenting issue
(No points deductions)

2nd Level=

Mandatory meeting with the instructor and or Department Chair or Division Dean
(Related assignment/Participation subject to Point Deductions)

3rd Level=

College Disciplinary procedures filed with the NC State Judicial Committee as a violation of the [NCSC Student Code of Conduct \(Links to an external site.\)](#).
(Course Grade subject to F)

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NOTE: For an extreme single incident of disruptive unprofessional behavior I reserve the right to go directly to initiating college disciplinary procedures

NCSC Disciplinary hearings can result in a variety of consequences, including and up to suspension or being expelled from the college.