



North Central State College

MASTER SYLLABUS

2025-2026

A. Academic Division: Health Sciences

B. Discipline: Science

C. Course Number and Title: BIOL2751 Human Anatomy & Physiology I

D. Assistant Dean: Heidi Kreglow, PT

E. Credit Hours: 4
Lecture: 3 hours
Laboratory: 3 hours

F. Prerequisites: High school chemistry with minimum C minus (C-) grade or CHEM1010 with minimum C minus (C-) grade; AND ENGL0040, MATH0084 (Minimum grade of C- for all) or qualifying placement test score. If the student has completed BIO121 and BIO122 OR BIOL1730 with a minimum grade of C, then the student is not required to have high school Chemistry or CHEM 1010

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 an in-depth study of the principles of human anatomy and physiology. It includes the study of structure and function of the body as a whole and study of cell biology, histology, the integumentary, skeletal, muscular, endocrine, and nervous systems plus the special senses. 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. Describe the body planes and organization and apply these to appropriate models, drawings, and specimens. | Exams, quizzes, practical lab tests throughout the semester |
| 2. Explain the basic concept of homeostasis. | Exams, quizzes, practical lab tests throughout the semester |
| 3. Identify selected cell structures and explain their respective functions. | Exams, quizzes, practical lab tests throughout the semester |
| 4. Summarize the steps of cell division and protein synthesis. | Exams, quizzes, practical lab tests throughout the semester |
| 5. Describe, locate, and identify the basic tissues of the body and explain their functions. | Exams, quizzes, practical lab tests throughout the semester |
| 6. Identify the organs of the integumentary system and describe the functions of the system. | Exams, quizzes, practical lab tests throughout the semester |
| 7. Identify and describe the major microscopic and macroscopic anatomical components of the skeletal system, osteogenesis, repair, and functional contributions to movement. | Exams, quizzes, practical lab tests throughout the semester |
| 8. Identify and describe the major microscopic and macroscopic anatomical components of the muscular system and explain their functional roles in body movement. | Exams, quizzes, practical lab tests throughout the semester |
| 9. Identify and describe the major microscopic and macroscopic anatomical components of the endocrine system and explain their functional roles in communication, cellular control and integration. | Exams, quizzes, practical lab tests throughout the semester |
| 10. Identify and describe the major microscopic and macroscopic anatomical components of the nervous system and explain their functional roles in communication control, and integration. | Exams, quizzes, practical lab tests throughout the semester |

| Outcomes | Assessments – How it is met & When it is met |
|--|---|
| 11. Identify and describe the major microscopic and macroscopic anatomical components of the eye and ear and explain their functional roles in vision and hearing. | 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: Health Sciences
Course Coordinator: Justin Tickhill
Course Number: BIOL2751
Semester / Session: Spring 2026

Discipline: Biology
Course Title: Human Anatomy & Physiology
Start / End Date: 01/12/2026 thru 05/08/2026

I. Instructor Information

II.
Name: Alison Yasick (Lecture/Lab instructor)
Phone Number: 4197554895
Office Location: Health Science 328

Credentials: Doctorate of Philosophy Regulatory Biology
E-Mail Address: ayasick@ncstatecollege.edu
Office Hours: See Announcements in Canvas

Name: Justin Tickhill (Lab instructor only)
Phone Number: 4197554772 (do not use this)
Office Location: Health Sciences 334

Credentials: Masters of Science in Biology
E-Mail Address: jtickhill@ncstatcollege.edu (use this)
Office Hours: See Announcements in Canvas

Name: Linda Worley (Lecture Instructor only)
Phone Number: See Announcements in Canvas
Office Location: Online only

Credentials: Masters of Science in Education; Bachelors of Arts in Bacteriology
E-Mail Address: lworley@ncstatecollege.edu
Office Hours: See Announcements in Canvas

III. Topical Timeline (Subject to Change):

| Week | Date | DAY | What is happening |
|--------|---------------|---------------|--|
| Week 1 | 12 Jan | Monday | Lecture: Introduction to the class and the body (anatomical terminology) |
| | 14 Jan | Wednesday | Lecture: Life and its maintenance, Chemistry of Life and the Big 4 Bio-molecules |
| Week 2 | 19 Jan | Monday | NO LECTURE MLK DAY |
| | 21 Jan | Wednesday | Lecture: The Cell (Introduction and structures) |
| Week 3 | 27 Jan | Monday | ONLINE QUIZ 1 DUE (BEFORE CLASS) |
| | | | Lecture: The Cell (membrane movement and Nucleic Acids) |
| | 29 Jan | Wednesday | Lecture: The Cell (protein synthesis and other metabolic processes) |
| Week 4 | 2 Feb | Monday | ONLINE QUIZ 2 DUE (BEFORE CLASS) |
| | | | Lecture: The Cell (life cycle) and Tissues (the Big 4 Tissue types) |
| | 4 Feb | Wednesday | EXAM 1 (Through Cellular Respiration) |
| Week 5 | 9 Feb | Monday | Lecture: Epithelium in depth and the Integument |
| | 11 Feb | Wednesday | Lecture: Integument |
| Week 6 | 18 Feb | Monday | ONLINE QUIZ 3 DUE (BEFORE CLASS) |
| | | | Lecture: Connective tissue in depth and The Skeletal System |

Course Number: _____
Semester / Session: _____

Course Title: _____
Start / End Date: _____

| | | | |
|--------------|-----------------|-----------|---|
| | 20 Feb | Wednesday | EXAM 2 (Through Integument) Lecture: Skeletal System part 2 |
| Week 7 | 23 Feb | Monday | Lecture: Skeletal System part 3 |
| | 25 Feb | Wednesday | Lecture: Articular System |
| Week 8 | 2 March | Monday | ONLINE QUIZ 4 DUE (BEFORE CLASS) |
| | 4 March | Wednesday | EXAM 3 (Through Articular System) |
| BREAK | 9 March | | BREAK |
| BREAK | 11 March | | BREAK |
| Week 9 | 16 March | Monday | Lecture: Muscle Tissue in depth |
| | 18 March | Wednesday | Lecture: Skeletal Muscle (Sliding Filament) |
| Week 10 | 23 March | Monday | ONLINE QUIZ 5 DUE (BEFORE CLASS) Lecture: Skeletal Muscle (Sliding Filament) |
| | 25 March | Wednesday | Skeletal muscle names and groups, Other muscle types |
| Week 11 | 30 March | Monday | ONLINE QUIZ 6 DUE (BEFORE CLASS) Lecture: Endocrine System (which tissue) |
| | 1 April | Wednesday | EXAM 4 (Through Other Muscle types) |
| Week 12 | 6 April | Monday | Lecture: Endocrine part 2 |
| | 8 April | Wednesday | Lecture: Endocrine part 3 |
| Week 13 | 13 April | Monday | ONLINE QUIZ 7 DUE (BEFORE CLASS) Lecture: Endocrine part 4 |
| | 15 April | Wednesday | EXAM 5 (Through Endocrine part 4) |
| Week 14 | 20 April | Monday | Lecture: The Central Nervous System 1 |
| | 22 April | Wednesday | ONLINE QUIZ 8 DUE (BEFORE CLASS) Lecture: The Central Nervous System 2 |
| Week 15 | 27 April | Monday | Lecture: The Central Nervous System 3 |
| | 29 April | Wednesday | Lecture: The Peripheral Nervous System |
| Week 16 | 4 May | Monday | ONLINE QUIZ 9 DUE (BEFORE CLASS) Lecture: Special Senses |
| | 6 May | Wednesday | ONLINE QUIZ 10 DUE (BEFORE CLASS) (comprehensive) FINAL EXAM (comprehensive) 16% of overall grade |

II. Course Assignments:

100 points) The lab section will have points associated with a Pre-lab activity and a Post-lab activity

50 points) for being present and completing the lab attendance. More details will be made available in your lab section (Check there).

Course Number: _____
Semester / Session: _____

Course Title: _____
Start / End Date: _____

50 points) for being present and completing the LECTURE attendance. More details will be made available in your lecture section (Check there).

180 points) 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) 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) 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) 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:

Course Number: _____
Semester / Session: _____

Course Title: _____
Start / End Date: _____

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 other**
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*)

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.

a.