

BIMD 220: Human Anatomy and Physiology I

Self-Paced Enroll Anytime Online Course

Instructor & Course Information

Credits	3 undergraduate credits
Pre-Requisites	BIOL 150 and BIOL 150L or CHEM 116 and CHEM 116L or CHEM 121 and CHEM 121L
Instructor	Dr. Michelle Murphy (she/hers)
Email	michelle.murphy@und.edu
Office	Room W226, UND School of Medicine and Health Sciences Building
Phone	701.777.4217
Student Hours	See Faculty Section in Blackboard for office hours and Zoom link

The best way to reach me for this class is through email. **Please include BIMD 220 SPEA in your email subject line and address your email to Dr. Murphy.** During the week, you can expect a reply to your email within 48 hours. If you email on the weekend, you can expect a reply to your email within 48 hours of the start of the next week.

About the Professor

To learn more about me, you can find my bio here: [Dr. Murphy's Faculty Page](#)

Course Description and Objectives

BIMD 220 (3 credits) and BIMD 221 (3 credits) together are a complete survey of the anatomy and physiology of the major human organ systems and the foundational concepts required to understand them. BIMD 220 covers beginner material on introductory A&P, cells, and tissues, as well as advancing through the skin, skeletal, muscle and nervous organ systems. BIMD 221 is a more advanced study of the endocrine, lymphatic, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Each concept is presented through the lens of a diverse human population and both BIMD 220 and 221 are validated as essential studies special emphasis courses covering "The Diversity of Human Experience" topic. Together the courses are designed to meet field standards using the HAPS (Human Anatomy and Physiology Society) learning outcomes and goals.

From UND Essential Studies - "As a Diversity of Human Experience course, at least 1/3 of this course's focus and graded assignments will help you recognize the existence of cultural differences and the complexity of social identities, understand that our worldviews are constructed through our identities and cultures, and give you defined opportunities to reflect on your own identity, culture, and worldview."

Content Integration Goals

1. Use appropriate terminology to discuss anatomy and physiology.
2. Identify anatomical structures and describe the complex interrelationships between structure and function.
3. Explain how body systems work together to maintain homeostasis.
4. Explain how variability in the human population produces ranges of values considered typical for body parameters and how this contributes to the diversity of human experience.

5. Propose evidence-based hypotheses to explain physiological responses or the functions of anatomical structures.
6. Apply knowledge of anatomy and physiology to real-world situations.
7. Recognize and apply patterns that unify, organize, and simplify the abundant detail of anatomy and physiology.

Skill Development Goals

8. Apply information literacy skills to access and evaluate peer-reviewed resources.
9. Approach and examine anatomy and physiology issues from an evidence-based perspective.
10. Adapt information to effectively communicate with different audiences.
11. Recognize that our individual differences (ethnicity, gender, culture, etc.) are both influenced by individual anatomy and physiology differences and shape our understanding the field.
12. Foster respect for individuals across differences within educational and professional settings.

Textbook and Course Materials

This course utilizes the Open Textbook OpenStax A&P, 2nd edition. It is available free online at: [OpenStax A&P](#)

Other reading materials may be necessary for some optional assignments. These may be available through the SMHS Library or the Chester Fritz Library, but they do have limited copies.

Technical Requirements

The [UND Technical Support webpage](#) contains information on your UND email and how to download a free version of Microsoft Office.

- Students are expected to use their official UND email in the course.
- You will use Microsoft Word to complete assignments, unless specifically directed otherwise. Assignments submitted in other formats may not be viewable within Blackboard and may not be accepted for credit.
- [View the basic technical requirements](#) for every online course.

Lesson Topics

This course has 6 units and 7 exams.

Unit 1	Introduction
Unit 2	Chemicals and Cells
Unit 3	Tissues and Skin
Unit 4	The Skeletal System
Unit 5	The Muscular System
Unit 6	The Nervous System and Special Senses

Point Breakdown and Grading Scale

The point/percentage breakdown for assessments is as follows:

Unit Assignments and Quizzes	240
Unit Exams	240
Final Project	100
Final Exam	80
Total Points:	660

The following grading scale is used:

A	90% to 100%
B	80% to 89%
C	70% to 79%
D	60% to 69%
F	under 60%

Assessment and Grading

This course is made up of a series of assignments and assessments to assist you in achieving the course learning objectives/outcomes. Each lesson has lesson objectives and a to-do list, required reading, instructor videos, quizzes, assignments, and a test.

Exams

This course has six unit tests and one final exam. Each unit test contains 40 questions drawn randomly, half from the unit quiz test banks and half from a test bank of questions similar, but not identical, to the quiz questions. The final exam will be comprehensive. It will contain 40 questions drawn randomly from the unit quiz test banks and 4 general concepts short answer questions. The short answer section of the final exam will be open book, completed as an assignment. The multiple choice question section of the final exam will be timed, with a time limit of one hour, but repeatable.

All unit tests must be proctored through Honorlock. The unit tests each have a time limit of one hour.

Quizzes

Each unit of the course has between six and ten quizzes, each containing between two and eight questions. The questions on each quiz are drawn from a quiz bank concentrating on the content presented in the lecture video aligning with each quiz. Quizzes are repeatable, with the most recent score retained in the gradebook. Quizzes do not have a time limit and are not proctored.

Assignments

Each unit of the course will have two or three assignments. Assignments will include a variety of tasks related to the content of the unit. They may include article annotations and summaries, Venn diagram construction, web activity screen shots, and similar styles of activities.

Final Project

The final project will be completed and submitted for grading in four stages. The work of the project is designed to be spread throughout the course. Each student may choose from three options for their final project: a book review, a research paper, or a volunteering project.

Exam Proctoring

Exams will be proctored using the Honorlock Google Chrome extension. You will need to download and install Google Chrome before installing the Honorlock proctoring extension. Further directions, and a practice test, will be provided in the course.

You may use Honorlock at any time that is convenient for you. Tests do not need to be pre-scheduled. Honorlock is provided through UND so there is no cost to you. Honorlock is an AI assisted proctoring solution. While you are taking tests, Honorlock AI will monitor for unallowed actions. If unallowed actions are flagged, they will be reviewed by a live proctor. If the live proctor observes continued unallowed actions they will interrupt your exam.

Grading Timeline

On grading days, I grade three items for a student, then move on to the next student, and on through the list. With several hundred enrolled students across all of my online sections, it takes me about a week to cycle through all of the students. Therefore, each student can expect to have three items graded per week. I will not bump a student above others. Prioritizing one student at the expense of another is not fair to the students who are waiting patiently for grades. In low activity weeks a student may see that I've cycled through their activities more quickly, with more than three graded in that week. However, please be aware that such early grading is the exception, not the rule. If you require that your course grade be submitted by a specific date, please assure your work is complete and submitted far enough ahead of that date to allow enough time for all activities to be graded, given the three item per week grading limit. With approximately 20 instructor graded items in the course, the minimum time you can expect for course completion is approximately 7 weeks.

Computer graded items, such as quizzes and unit tests, are graded automatically by the system and do not count against the grading limit.

Items will not be graded on weekends, official UND holidays, or the week between December 25th and January 1st.

Plagiarism

I use SafeAssign for some assignments in this course. If your work is flagged for verbatim copying from an outside source or from another student, you will receive zero points on the assignment. Similarly, if your screen shots, article annotation files, or other submissions are identical to another current or previous student, you will receive zero points on the assignment.

In cases of plagiarism, all parties will be treated the same and will be assessed the same penalties. Repeated violations of academic honesty will be reported to administration. To prevent the potential for misuse by other students, protect your passwords and files. This is especially important if you use a shared, or library, computer.

The overall academic goal of this course is to reach an understanding of human anatomy and physiology. Doing your own work is required to meet this goal.

Note about video captioning

The videos in this course are auto captioned by YuJa AI. If you notice anything inappropriate or awkwardly worded in the AI closed captioning, please email me so I can fix it.

Letters of Recommendation

Letters of recommendation will only be provided when both of the following conditions have been met:

- You have gone above and beyond average with your engagement in the course. This does not mean you did extra work, but rather that you engaged fully with the work in a manner that demonstrated depth of knowledge and curiosity.
- We have met in person or by zoom for a substantial conversation about course content and how it relates to your academic and professional goals.

Please be aware that each letter of recommendation may disclose information about your grades, your timeliness in work completion, your engagement with the content, and your professionalism.

Course Evaluation

Near the end of the course you will find the link to the course completion survey. Your feedback on the course is very important to me. Please provide honest and constructive feedback. I read all students' comments carefully and use them to improve my course. The responses are compiled twice a year so your responses remain anonymous.

About UND Self-Paced Enroll Anytime Courses

You have up to 9 months to complete this course from the time of your enrollment. You may work at your own pace and complete lessons/exams on your own schedule, submitting up to 3 per week for grading.

After you finish your course, your final grade will be posted in Blackboard. Please **allow 3-5 business days for your final grade to appear** on your transcript in Campus Connection. You will receive a confirmation email from the Enroll Anytime staff once the final grade is officially posted on your transcript. You may then order an official transcript, if desired.

If you have an **administrative** question regarding course enrollment dates, extensions, withdrawals, questions regarding your transcript, or need exam assistance, please contact the **Office of Extended Learning** at und.courses@UND.edu or 701-777-0488.

Questions regarding **coursework** should be directed to the **instructor**.

For **technical support** including username and password help, assignment submission, or other technical assistance in the course, contact [University Information Technology](#).

Student Resources

UND cares about your success as a student. For more information, visit the [Student Resources Page](#) for additional information. Students have access to assistance from the [UND Writing Center](#), and more.

Course Policies

Artificial Intelligence (AI)

The use of AI-generated content must be explicitly disclosed in all academic work. All work must comply with UND's policy on academic honesty. Students must ensure the originality of their own work. The use of basic word processing AI systems including grammar and spelling checkers need not be disclosed in this class. For more information on AI Policies, please visit UND's [Artificial Intelligence Resources](#) page.

Netiquette

Netiquette is a set of rules for behaving properly online. Always use professional language and avoid netspeak in your assignments and emails. Be respectful of others at all times, even if you disagree with their ideas.

Here are a few basic points to remember when communicating in this course:

- **Be scholarly.** Use proper language, grammar, and spelling. Explain your thoughts, justify opinions, and credit the ideas of others by citing or linking to scholarly resources. Avoid misinforming others when you are unsure of the answer. When discussing something and supplying a guess, clearly state that.
- **Be respectful.** Respect the privacy of others. Do not share personal or professional information about others unless permission has been granted. Respect diversity and opinions that differ from their own. Be tactful when you communicate.
- **Be professional.** Everyone should strive to give their best impression online. Truthfulness, accuracy, and running a final spell check are appropriate expectations for university students. Writing in a

legible font and limiting the use of emoticons is considered professional behavior. Profanity and participation in hostile interactions, known as flaming, is unprofessional as well as disruptive.

- **Be polite.** Students should be addressing professors and instructors by the appropriate title or requested name. Students should interact online politely, just as they would be expected to do in a physical environment. Sarcasm, rudeness, and writing in all capital letters (shouting) should be avoided.

Names and Pronouns

Everyone should feel included and respected at UND. Please let me know if you wish to be addressed by a name or pronoun that is different from what appears in the class roster, including names and personal pronouns that correspond to your gender identity.

I recognize that preferred names and pronouns may change during your time in the course. If at any point during the course you would like to be addressed differently, please let me know.

As part of our commitment to inclusion in this course, it is important that all students in this class are respectful of their peers. Mistakes in addressing one another may happen. If you make a mistake or are corrected, please briefly apologize and correct yourself.

If you have experienced discrimination or harassment or have concerns about using another student's preferred name or pronoun, please contact the Equal Opportunity & Title IX Office for assistance.

Language & Interactions

This course is a safe space for all students. We will engage in the study of topics around human diversity that may be difficult for some, but it is essential that these conversations be respectful at all times. Any breach in respectful conduct towards me, the TAs, and/or another student will lead to disciplinary action.

If you experience any situation that makes you feel unsafe in this course you are encouraged to reach out to me. You may also report a Bias-Motivated incident to UND in multiple ways, including anonymously:

[Community Standards and Care Network](#)

University of North Dakota Policies & Resources

Academic Integrity

Academic integrity is a serious matter, and any deviations from appropriate behavior will be dealt with strongly. At the discretion of the professor, situations of concern may be dealt with as a scholastic matter or a disciplinary matter.

As a scholastic matter, the professor has the discretion to determine appropriate penalties to the student's workload or grade, but the situation may be resolved without involving many individuals. An alternative is to treat the situation as a disciplinary matter, which can result in suspension from the University, or have lesser penalties. Be aware that I view this as a very serious matter, and will have little tolerance for questionable practices. A student who attempts to obtain credit for work that is not their own (whether that be on a paper, quiz, homework assignment, exam, etc.) will likely receive a failing grade for that item of work, and at the professor's discretion, may also receive a failing grade in the course. Read more in the [Code of Student Life](#).

Accessibility for Students

The University of North Dakota is committed to providing equal access to students with documented disabilities. To ensure access to your classes and program, please contact [Student Disability Resources](#) to engage in a confidential discussion about accommodations for the classroom, clinical and/or online course settings. Accommodations are not provided retroactively. Students are encouraged to register with Student Disability Resources at the start of their class/program. More information can be obtained by email UND.sdr@UND.edu or by phone at 701.777.2664.

If you receive an exam accommodation from Student Disability Resources, please share the letter with the Office of Extended Learning at UND.courses@UND.edu.

Religious Accommodations

UND offers religious accommodations, which are reasonable changes in the academic environment that enable a student to practice or observe a sincerely held religious belief without undue hardship on the University. Examples include time for prayer or the ability to attend religious events or observe a religious holiday. To request an accommodation, complete [student religious accommodation request form](#). If you have any questions, you may contact the [Equal Opportunity & Title IX Office](#).

Pregnancy Accommodations

Students who need assistance with academic adjustments related to pregnancy or childbirth may contact the Equal Opportunity & Title IX Office to learn about your options. Additional information and services may be found at [Pregnancy Resources](#).

Resolution of Problems

Should a problem occur, you should speak to your instructor first. If the problem is not resolved by speaking with your instructor, contact the department chair, and next to the Dean's office. Should the problem persist after taking these initial steps, you have the right to go to the provost next, and then to the president.

Notice of Nondiscrimination

It is the policy of the University of North Dakota that no person shall be discriminated against because of race, religion, age, color, gender, disability, national origin, creed, sexual orientation, gender identity, genetic information, marital status, veteran's status, or political belief or affiliation and the equal opportunity and access to facilities shall be available to all. Concerns regarding Title IX, Title VI, Title VII, ADA, and Section 504 may be addressed to Donna Smith, Assistant Vice President for Equal Opportunity & Title IX and Title IX/ADA Coordinator, by calling 701.777.4171 or emailing UND.EO.TitleIX@UND.edu. Concerns can also be directed to the Office for Civil Rights, U.S. Department of Education, 230 S. Dearborn St., 37th Floor, Chicago, IL 60604, or any other federal agency.

Reporting Discrimination, Harassment, or Sexual Misconduct

If you or a friend has experienced sexual misconduct, such as sexual harassment, sexual assault, domestic violence, dating violence, or stalking, please contact the [Equal Opportunity & Title IX Office](#) or UND's Title IX Coordinator, Donna Smith, for assistance: 701.777.4171; donna.smith@UND.edu. You may also contact the Equal Opportunity & Title IX office if you or a friend has experienced discrimination or harassment based on a protected class, such as race, color, national origin, religion, sex, age, disability, sexual orientation, gender identity, genetic information, pregnancy, marital or parental status, veteran's status, or political belief or affiliation.

Faculty Reporting Obligations Regarding Discrimination, Harassment, and Sexual Misconduct

It is important for students to understand that faculty are required to share with UND's Title IX Coordinator any incidents of sexual misconduct or of discrimination or harassment based on a protected class they become aware of, even if those incidents occurred in the past or are disclosed as part of a class assignment. This does not mean an investigation will occur if the student does not want that, but it does allow UND to provide resources to help the student continue to be successful at UND. If you have been impacted by discrimination, harassment, or sexual misconduct, you can find information about confidential support services at the [Equal Opportunity & Title IX Office](#).

How to Seek Help When in Distress

We know that while college is a wonderful time for most students, some students may struggle or have issues that arise. You may experience students in distress on campus, in your classroom, in your home, or within residence halls. Distressed students may initially seek assistance from faculty, staff members, their parents, and other students. In addition to the support we can provide to each other, there are also professional support services available to students on campus through the Dean of Students and the [University Counseling Center](#). Both staffs are available to consult with you about getting help or providing a friend with the help that he or she may need. For more information, visit the [UND Cares Program website](#).

Food for Thought

All current UND students are welcome to visit our new *Food for Thought* Food Pantry, located on the first floor of Wilkerson Commons in Room 169. *Food For Thought* provides nonperishable food items and personal hygiene products to students in need.

Land Acknowledgement Statement

Today, the University of North Dakota rests on the ancestral lands of the Pembina and Red Lake Bands of Ojibwe and the Dakota Oyate - presently existing as composite parts of the Red Lake, Turtle Mountain, White Earth Bands, and the Dakota Tribes of Minnesota and North Dakota.

We acknowledge the people who resided here for generations and recognize that the spirit of the Ojibwe and Oyate people permeates this land. As a university community, we will continue to build upon our relations with the First Nations of the State of North Dakota - the Mandan, Hidatsa, and Arikara Nation, Sisseton-Wahpeton Oyate Nation, Spirit Lake Nation, Standing Rock Sioux Tribe, and Turtle Mountain Band of Chippewa Indians.