

**UNM-Valencia Campus
Anatomy & Physiology II – BIOL 2225
Spring 2023
Tuesday and Thursday
9:00 – 10:15 H101**

Dr. Sanchez-Dinwiddie

NM VALENCIA

Welcome



Greetings Students, welcome to Anatomy & Physiology II. I am thrilled to have you here! I have a passion for teaching this course. My #1 goal is to assist you in your development of critical thinking and problem solving. I will challenge you and maintain expectations very high. You have ambitions of being a healthcare provider. If you are going to be caring for sons and daughters, mothers and fathers, grandmas and grandpas, or neighbors and friends I want each of those people to be in the care of capable, prepared, and skillful individuals. A strong foundation of anatomy & physiology is key but only a start. You need -

- a strong work ethic,
- the ability to critically think and problem solve,
- the ability to perform oral and written communication,
- the ability to collaborate, and
- personal and social responsibility.



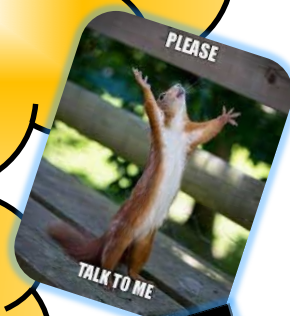
Talk to Me Time Drop In Hours

This is time I have set aside for you. It can be directly related to our course or not.

- **Tuesday 10:30-12:30**
- **Wednesday 10:30-12:30**
- **Thursday 10:30-12:30**
- **By scheduled appointment**



I will be in my office during these designated times. You may simply drop in, no need for an appointment.

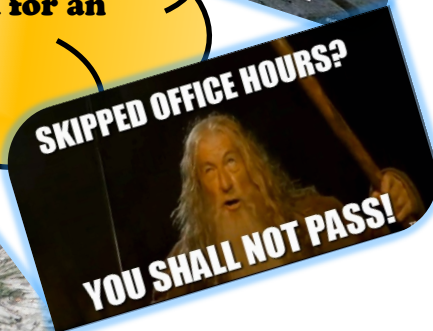


Contact Information

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BIOL 2225: Human Anatomy and Physiology II

Catalog Course Description

This course is the second of two that serve as an introduction to human anatomy and physiology for biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on specific cellular, tissue, and organ structure and physiology, and organ system structure and function; specifically the endocrine, cardiovascular, respiratory, urinary, and reproductive systems. Additionally, an analysis of these concepts is included: fluid and electrolyte balance, pregnancy, growth and development from zygote to newborn, and heredity. Lecture: 3 hours. Prerequisites: BIOL 2210.

Student Learning Outcomes

These learning outcomes are determined by the New Mexico Higher Education Department. In order for the course to meet the standards of the Course Numbering System, all of these learning outcomes must be adopted.

- ❖ Identify and describe the major anatomical features of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.
- ❖ Analyze the physiological roles of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems in maintaining homeostasis in the human body.
- ❖ Explain how fluid and electrolyte balance is maintained in the human body.
- ❖ Compare and contrast the anatomy and physiology of male and female reproductive systems.
- ❖ Describe pregnancy from conception to parturition including human growth and development from zygote to newborn.
- ❖ Develop skills that are used in a health care field setting. These skills include, but are not limited to: analysis of information, communication with peers and supervisors, creativity, problem solving, and self-motivation.



Course Policies/Information

(in no particular order; they are alphabetical)

- **Attendance.** I do not recognize an excused absence versus an unexcused absence. You are either here or not, even if it is a valid excuse. If you have to miss class you are responsible for acquiring the information covered in class. Please refer to your syllabus or contact fellow students for the information you missed. You will be dropped with more than 3 absences. If you recall, one of the essential skills to success is personal and social responsibility. Attendance in a course is part of that skill. This includes arriving on time.
- **Cell phones.** Be courteous. When your phone is out, everyone knows.
- **Citizenship and/or Immigration Status.** All students are welcome in this class regardless of citizenship, residency, or immigration status. Your professor will respect your privacy if you choose to disclose your status. UNM as an institution has made a core commitment to the success of all our students, including members of our undocumented community. The Administration's welcome is found on our website: <http://undocumented.unm.edu/>.
- **Coronavirus.** UNM-Valencia Campus is a mask friendly, but now mask required, community. To be registered or employed at UNM, Students, faculty, and staff must all meet UNM's [Administrative Mandate on Required COVID-19 vaccination](#).
 - ❖ Protocol as of 1/15/2023 (updated at the CDC 8/11/22) for vaccinated individuals testing positive [Centers for Disease Control \(CDC\) Guidelines](#) [NO quarantine for exposure]:
 1. Provide documentation to me via email (you are not exempt from assignments)
 2. Isolate for 5 days – Day 0 is either onset of symptoms or the day you tested (not the day you receive positive results).
- **Email Netiquette.** In this day and age it is easy to be lax with your email language, grammar, and punctuation. Especially when using a cell phone for communication. This course is a formal and professional setting and so you should conduct yourself in that manner at all times. Always include an informative subject line. Use an appropriate salutation and closing. Use standard English for grammar, language, and spelling. Finally proofread and spell check. Having good email etiquette will benefit you as you continue your professional career.
- **Exams.** Exams will be difficult. Each exam is designed to test your ability to recall and use information. Exams will accumulate. I will ask questions from Exam #1 on Exam #2. All material from the textbook is fair game for exam material. I use the textbook as a general outline. You must study the textbook alongside class notes. There are no make-up exams for any reason.

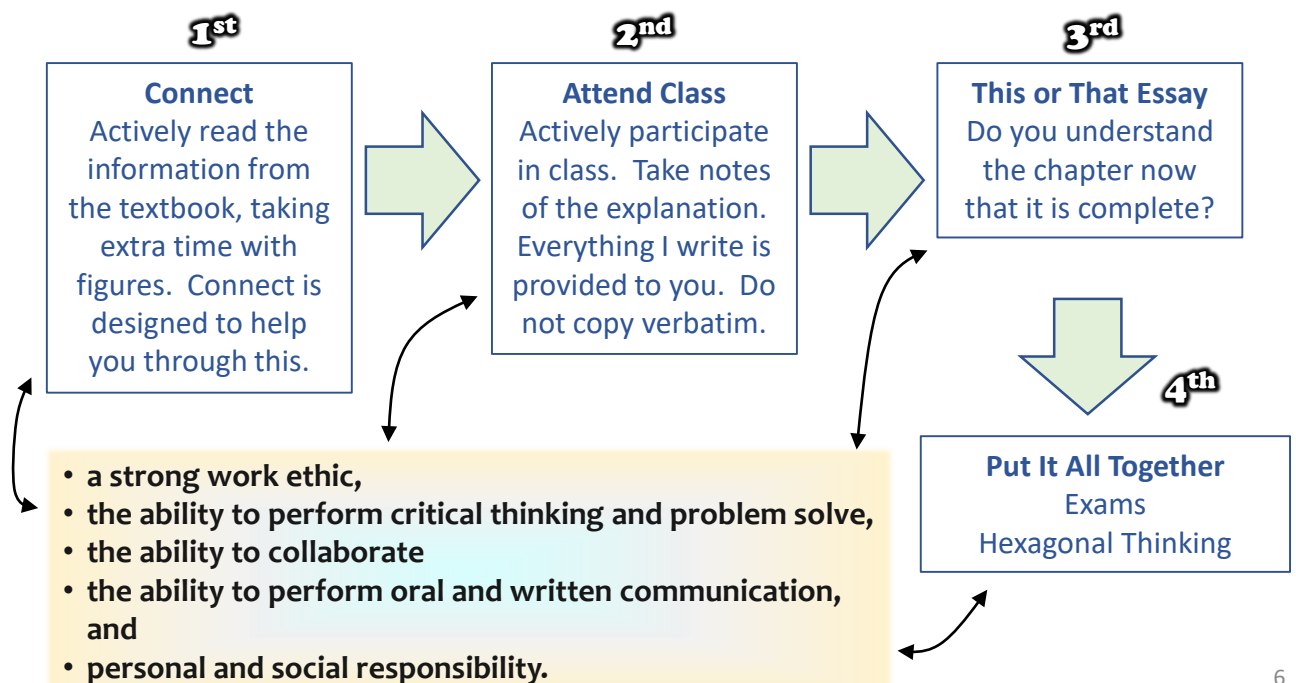


Course Policies/Information

- **Family Educational Rights and Privacy Act (FERPA).** The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA does not allow disclosure of grades over email as it is not possible to authenticate identity through this medium. In addition, I will not discuss your grade with anybody but you.
- **Late work.** I aim to prepare you for your career outside these classrooms and hallways. Life is often busy and hectic. Developing good work ethic means to juggle all of your responsibilities. Your patients, colleagues, and coworkers deserve for you to have a skill of being on-time and attentive. I expect you to complete all work on-time. I have built in a cushion to all assignments if you must miss. Hexagonal Thinking and This or That Essays are the assignments I will accept late, albeit with a penalty.
- **Modality.** This is a three credit-hour course. Class meets for two 75-minute sessions of direct instruction for sixteen weeks during the Spring 2023 semester. Please plan for a *minimum* of six hours of out-of-class work for homework, study, assignment completion, and class preparation each week.
- **Participation during class.** I do not formally record participation, but I notice who is engaged and who is not.
- **Student Support.** This campus is dedicated to your success and we do all we can to pave your way. If there is anything, academic or not, please ask. I bet there's support for that.
 - PASOS Resource Center: <http://valencia.unm.edu/campus-resources/pasos/pasos-resource-center/resource-guide.html>
 - UNM-Valencia Learning Commons (Tutoring): <http://valencia.unm.edu/campus-resources/learning-commons/index.html>
 - TRIO Student Support Services: <http://valencia.unm.edu/students/sss-trio/index.html>
 - UNM-Valencia Campus Food Pantry (free snacks, meals, goodies): <http://valencia.unm.edu/campus-resources/pasos/pasos-resource-center/campus-food-pantry.html>
 - Jobs on campus: <https://valencia.unm.edu/students/financial-aid/student-employment.html>

- **Students with accommodations.** UNM-Valencia is committed to providing equitable access to learning opportunities for students with documented disabilities. It is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact [The UNM-Valencia Equal Access Services](#), at (505) 925-8840, sjclawson@unm.edu (Sarah Clawson, Coordinator).
- **Title IX.** Our classroom and our university should always be spaces of mutual respect, kindness, and support, without fear of discrimination, harassment, or violence. Should you ever need assistance or have concerns about incidents that violate this principle, please access the resources available to you on campus. Please note that, because UNM faculty, TAs, and GAs are considered "responsible employees" by the Department of Education, any disclosure of gender discrimination (including sexual harassment, sexual misconduct, and sexual violence) made to a faculty member, TA, or GA must be reported by that faculty member, TA, or GA to the university's Title IX coordinator. For more information on the campus policy regarding sexual misconduct, please see: <https://policy.unm.edu/university-policies/2000/2740.html>.
- **University Policy.** You are responsible for knowing all university policies that are in the UNM Student Handbook <https://pathfinder.unm.edu/>. This includes policy on academic dishonesty, code of conduct, and grade options. *You are responsible for maintaining your scholarship or funding for your education.*
- **Withdrawal.** If a student drops the course after the deadline to drop without a grade, Friday, February 3rd, a grade will be recorded. Students cannot automatically withdraw after Friday, April 14th. I generally do not grant withdrawals after this date.

How to Succeed



Required Learning Resources

Textbook: You will need access to McGraw-Hill's 'Connect.' This access code will give you the e-book. With access you will be able to upgrade to a print copy if you wish. These access codes are valid for 2 semesters.

- Saladin, Kenneth S.
- Anatomy & Physiology: The Unity of Form and Function.
- McGraw-Hill, 9th ed., 2021.
- [The link for accessing our class is located in the menu of Canvas, OneNote and here.](#)
- ISBN: 978-1-260-79162-4



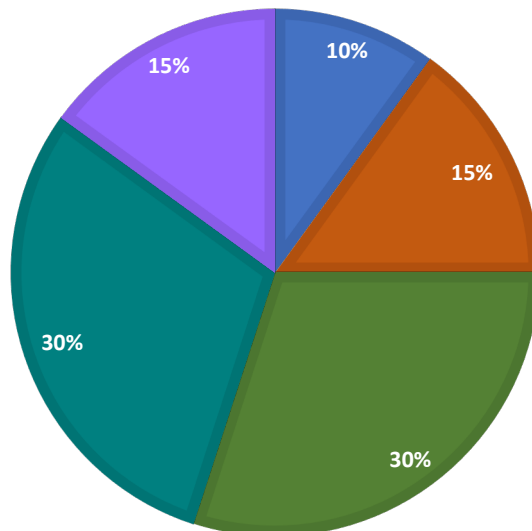
OneNote: You have access to class notes at all times. As a student, you receive this product in the Microsoft Suite. This application will require a strong internet connection and speed.

UNM Canvas: All course materials will be distributed through Canvas. Grades will be recorded in Canvas. Canvas is new to UNM. Please bear with me as I learn this new program.

Internet: You will need reliable and frequent internet access. If you do not have this at home you will have to go somewhere that does. Lack of internet will not be an excuse for missed assignments. Issues with electronics will not be an excuse for missed assignments.

Grade Distribution by Percentage

■ Connect ■ This or That Essay ■ Hexagonal Thinking ■ Exams ■ Final Exam



Connect (19)	10 %
This or That Essay (4)	15 %
Hexagonal Thinking Assignments (3)	30 %
Exams (4)	30 %
Final Exam	15 %

Grades will be assigned on your percentage as follows: * C- is non-passing

A+ 97-100	B+ 87-89.99	C+ 77-79.99	D 60-69.99
A 93-96.99	B 83-86.99	C 73-76.99	F Below 60
A- 90-92.9	B- 80-82.99	*C- 70-72.99	

Connect. You have 2 types of assignments in McGraw-Hill Connect. You have SmartBook assignments which are designed to help you read through the chapter prior to lecture. There are 19 total assignments. You need 16 of 19 for 100%.

There is also extra credit for the course in Connect (see schedule for due dates). I will not assign a point value to extra credit assignments. I will not add extra credit to your grade calculation until **AFTER** the final exam. You may not pass the class with extra credit. There is no other extra credit opportunity available.

This or That Essays. This assignment will require you to watch posted video lectures. Two lectures will be posted and you will be asked to compare and contrast. The source of the lectures will vary. Sometimes it will be me, sometimes not. You will need 4 of 4 for 100%.

Hexagonal Thinking Assignments. These assignments will have 2 components: an in-class activity and a report. These assignments will challenge your ability to think critically, integrate concepts, and problem solve. You have 3 total assignments. You need 3 of 3 for 100%. The final assignment will be octagonal.

Exams. There will be 4 exams throughout the semester. Each exam will be a “table exam.” I will create the groups for each table (I don’t always move groups and sometimes groups are uneven. More doesn’t always equal better.). You will drop your lowest score from your overall grade calculation. This includes zeros. Thus, if you must miss an exam you will not be penalized.

Final Exam. The final exam is scheduled for Thursday, May . Students who have a 90% or higher on May 5th will be eligible for a final exam exemption. This is entirely at the discretion of me, Dr. Sanchez.

Monitor your grade in Canvas. I make mistakes, but cannot correct errors the last week of classes.

Date	Location	Description
Tues Jan 17	H101	Welcome
Thur Jan 19	H101	Ch 17 – The Endocrine System
Tues Jan 24	H101	Ch 18 – The Circulatory System: Blood
Thur Jan 26	H101	Ch 18 – The Circulatory System: Blood
Tues Jan 31	H101	Ch 19 – The Circulatory System: Heart
Thur Feb 2	H101	Ch 19 – The Circulatory System: Heart
Tues Feb 7	H101	EXAM #1
Thur Feb 9	H101	Ch 20 – The Circulatory System: Blood Vessels
Tues Feb 14	H101	Ch 20 – The Circulatory System: Blood Vessels
Thur Feb 16	H101	❖ <i>Hexagonal Thinking #1 – Begin</i>
Tues Feb 21	H101	Ch 21 – The Lymphatic and Immune Systems
Thur Feb 23	H101	Ch 21 – The Lymphatic and Immune Systems
Tues Feb 28	H101	Ch 22 – The Respiratory System
Thur Mar 2	H101	Ch 22 – The Respiratory System
Tues Mar 7	TBD	❖ <i>Hexagonal Thinking #1 – Submit (make-up day)</i>
Thur Mar 9	H101	EXAM #2
Tues Mar 14	H101	<i>Off – Spring Break</i>
Thur Mar 16	H101	<i>Off – Spring Break</i>
Tues Mar 21	H101	Ch 23 – The Urinary System
Thur Mar 23	H101	Ch 23 – The Urinary System
Tues Mar 28	H101	Ch 24 – Fluid, Electrolyte, and Acid/Base Balance
Thur Mar 30	H101	Ch 24 – Fluid, Electrolyte, and Acid/Base Balance
Tues Apr 4	H101	❖ <i>Hexagonal Thinking #2 – Begin</i>
Thur Apr 6	H101	Ch 25 – The Digestive System
Tues Apr 11	H101	EXAM #3
Thur Apr 13	remote	❖ <i>Hexagonal Thinking #2 – Submit</i>
Tues Apr 18	H101	Ch 27 – The Male Reproductive System
Thur Apr 20	H101	Ch 28 – The Female Reproductive System
Tues Apr 25	H101	❖ <i>Hexagonal Thinking #3 – Begin</i>
Thur Apr 27	H101	Ch 29 – Human Development & Aging
Tues May 2	H101	EXAM #4
Thur May 4	TBD	❖ <i>Hexagonal Thinking #3 – Submit (make-up day)</i>
Thur May 11	H101	FINAL EXAM

Date	Connect	This or That Essay	Hexagonal Thinking Due
Tues Jan 17			
Thur Jan 19	#1 – The Endocrine System		
Tues Jan 24	#2 – Circulatory System: Blood		
Thur Jan 26	#3 – Circulatory System: Blood		
Tues Jan 31	#4 – The Circulatory System: Heart	T or T #1 Due	
Thur Feb 2	#5 – The Circulatory System: Heart		
Tues Feb 7	Extra Credit #1 Due		
Thur Feb 9	#6 – The Circulatory System: BV		
Tues Feb 14	#7 – The Circulatory System: BV		
Thur Feb 16			
Tues Feb 21	#8 – The Lymphatic and Immune		
Thur Feb 23	#9 – The Lymphatic and Immune		
Tues Feb 28	#10 – The Respiratory System	T or T #2 Due	
Thur Mar 2	#11 – The Respiratory System		
Tues Mar 7			Hex. Assign. #1
Thur Mar 9	Extra Credit #2 Due		
Tues Mar 14			
Thur Mar 16			
Tues Mar 21	#12 – The Urinary System		
Thur Mar 23	#13 – The Urinary System		
Tues Mar 28	#14 – Fluid, Electrolyte, and Ph	T or T #3 Due	
Thur Mar 30	#15 – Fluid, Electrolyte, and Ph		
Tues Apr 4			
Thur Apr 6	#16 – The Digestive System		
Tues Apr 11	Extra Credit #3 Due		
Thur Apr 13			Hex. Assign. #2
Tues Apr 18	#17 – The Male Reproductive Sys		
Thur Apr 20	#18 – The Female Reproductive Sys		
Tues Apr 25		T or T #4 Due	
Thur Apr 27	#19 – Human Development & Aging		
Tues May 2	Extra Credit #4 Due		
Thur May 4			Hex. Assign. #3