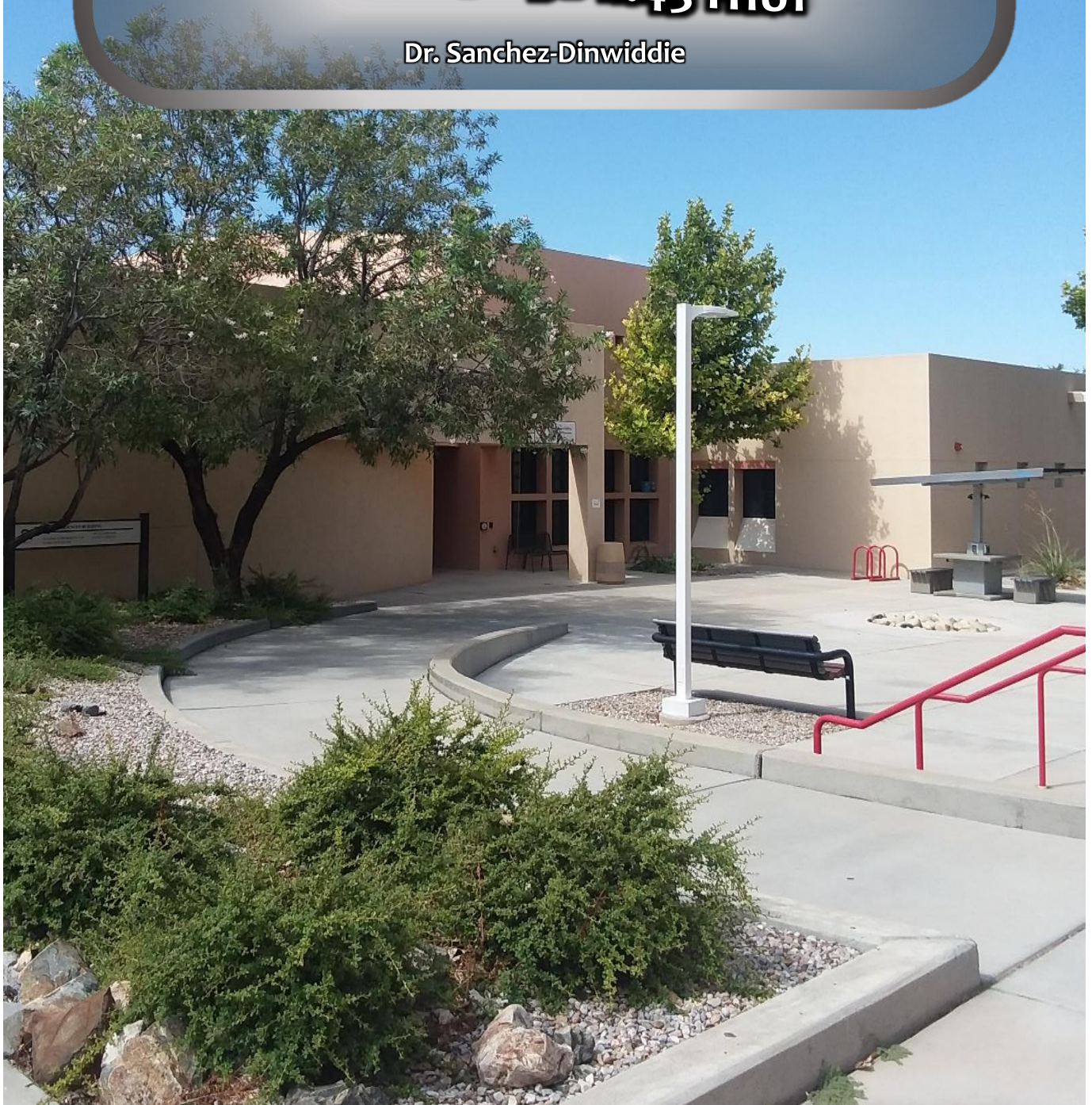
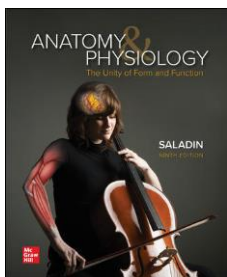


**UNM Valencia Campus  
Anatomy & Physiology II – BIOL 2225  
Fall 2021 -- Hybrid  
Tuesday 1:30-2:45 H101**

**Dr. Sanchez-Dinwiddie**



# Welcome

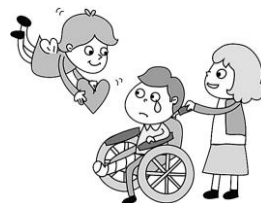


Greetings Students!

Welcome to Anatomy & Physiology II! I am thrilled to have you enrolled in this course. Taking college courses during a pandemic is no easy feat. Give yourself a pat on the back daily for all you are accomplishing. I have many years of experience under my belt but I am still learning how to manage a course during the strain of a pandemic. I thank you for your patience in advance. I always welcome input from your perspective.

While we are both dealing with additional challenges, our goal is no different. We are here to build a foundation in which your career will reside. A strong foundation of anatomy & physiology is key but only a start. A strong foundation also needs:

- a strong work ethic,
- the ability to perform critical thinking,
- the ability to perform oral and written communication,
- the ability to collaborate, and
- personal and social responsibility.



Choosing a health care field career, now more than ever, is a noble endeavor. You are preparing to care for someone's mother, father, child, friend, or simply someone in need. In the moment that someone looks at you with a plea for help, you will want to be at your best.

## **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.

### **Contact Information**

**Email: [MELASANC@UNM.EDU](mailto:MELASANC@UNM.EDU)**

**Office: H100A**

**Phone: 505-925-8875**

### **Talk to Me Hours**

➤ **Monday 10:30-12:00 & 1:00-2:30**

➤ **Tuesday 10:30-12:00**

➤ **Wednesday 10:30-12:00**

➤ **By appointment – virtual or in-person**



Connect	15 %
OneNote Assignments	10 %
Hexagonal Thinking Assignments	15 %
Problem Based Learning	10 %
Video Quiz	5 %
Exams	30 %
Final Exam	20 %

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. There is also extra credit for the course in Connect.

**OneNote Assignments.** At the completion of each chapter you have assignments in Microsoft OneNote. You must sync with our class to sync your assignment to me. I will grade these assignments based on thoroughness. I expect to see thought and effort.

**Hexagonal Thinking Assignments.** These assignments will have 2 components: an in-class activity and a report. These assignments will challenge your ability to critically think and integrate concepts.

**Problem Based Learning.** This assignment will have 2 components. The first is an online worksheet. The second is a research paper you must compose.

**Exams.** There will be 4 exams throughout the semester. You will drop your lowest score from your overall calculations. This includes zeros. Thus, if you must miss an exam you will not be penalized.

**Final Exam.** The final exam is scheduled for Thursday, December 16. We will do a remote final exam. Students who have a 90% or higher on December 10<sup>th</sup> will be eligible for a final exam exemption. This is entirely at the discretion of me, Dr. Sanchez.

There are extra credit assignments 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.

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

## Required Learning Resources

**Internet:** We will need reliable and frequent internet access for this course. 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. We will need to keep our electronic device updated, especially the browser. Issues with electronics will not be an excuse for missed assignments. UNM Valencia has devices you may check out. UNM Valencia provides WIFI around the clock.



**OneNote:** You have access to class notes at all times. You have assignments throughout the semester in OneNote. As a student, you receive this product in the Microsoft Suite.

**Textbook:** You will need access to McGraw-Hill's '**Connect.**' There are access codes available in the UNM- Valencia bookstore. 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 Blackboard Learn.

**UNM Learn [learn.unm.edu](http://learn.unm.edu):** All course materials will be distributed through Blackboard Learn. Grades will be recorded in Learn.

## Student Learning Objectives

By the end of this course you will be able to....

- ❖ 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.
- ❖ Explain heredity and genetic control.



- ❖ 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**

- **Academic Calendar.** The academic calendar for Fall 2021 currently has no adjustments.
- **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. 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 (5 minutes early is even better). I will be recording attendance diligently. This is serving as a form of contact tracing.
- **Cell phones.** Be courteous. When your phone is out everyone knows. An interesting observation I've made over the years, a high-performing student does not have a cell phone visible.
- **Coronavirus.** You have the ability to prevent the spread of COVID-19 and to preserve the health of fellow students, your instructor, staff and the community by following UNM health protocols. The UNM Provost Administrative Directive on Mandatory Student Face Covering and Symptom Reporting requires that all students on UNM-Main and UNM branch campuses wear face masks indoors unless they have a specific mask accommodation (confidentially documented with the Accessibility Resource Center). You will be required to wear a mask at all times.
- **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. When writing an email avoid shorthand. Always use an appropriate subject heading; do not leave this blank. Use an appropriate salutation and closing. Some examples are "Dear Dr. Sanchez," "Good Morning Dr. Mel," or "Hello Dr. Sanchez-Dinwiddie," and "Thank you for your time," or "Have a nice day." 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 apply information. Exams will accumulate. I will ask questions from Exam #1 on Exam #2. There are no make-up exams. This penalty is not enforced if you make arrangements with the instructor prior to the exam. All material from the textbook is fair game for exam material. Don't panic, nearly all of the exam material will be derived from in-person lectures and video lectures. The exams will be table exams.

## 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 do not accept late work!.....Well really, I'm fair. Do not earn zeros. Zeros are nasty for your course grade.
- **Lecture videos.** You have lecture videos to watch. Each lecture will be divided into several shorter videos. My goal is to have 4-5 videos at 10 minutes each. As you watch the video take notes with annotation. I expect you to remember, understand, and apply the information I am presenting. Many of the videos have been recorded across the last year. Keep this in mind, as there are times that I mention dates that do not pertain to this semester.
- **Participation during class.** I do not formally record participation, but I notice who is engaged and who is not.
- **Screen reader.** If you require a screen reader, please see me immediately so that I can accommodate materials for you.
- **Students with disabilities.** Qualified students (having appropriate documentation) needing academic adjustments, please discuss your situation with me as soon as possible, to ensure that your needs are met in a timely manner. All accommodations will be implemented within a reasonable manner.
- **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 5<sup>th</sup>, a grade of W will be given. Students cannot automatically withdraw after Friday, April 16<sup>th</sup>. The grade earned after this date is a letter grade.

Date	Location	Description
Tues Aug 24	H101	Welcome - Review
Thur Aug 26	Online	Ch 17 – The Endocrine System
Tues Aug 31	H101	Ch 18 – The Circulatory System: Blood
Thur Sept 2	Online	Ch 18 – The Circulatory System: Blood
Tues Sept 7	H101	EXAM #1
Thur Sept 9	Online	Ch 19 – The Circulatory System: Heart
Tues Sept 14	H101	Ch 19 – The Circulatory System: Heart
Thur Sept 16	Online	Ch 20 – The Circulatory System: Blood Vessels
Tues Sept 21	H101	Ch 20 – The Circulatory System: Blood Vessels
Thur Sept 23	Online	❖ Problem Based Learning
Tues Sept 28	H101	EXAM #2
Thur Sept 30	Online	Ch 21 – The Lymphatic and Immune Systems
Tues Oct 5	H101	❖ Hexagonal Thinking #1
Thur Oct 7	Online	Ch 21 – The Lymphatic and Immune Systems
Tues Oct 12	H101	Ch 22 – The Respiratory System
Thur Oct 14		Off
Tues Oct 19	H101	Ch 22 – The Respiratory System
Thur Oct 21	Online	❖ Hexagonal Thinking #1
Tues Oct 26	H101	Ch 23 – The Urinary System
Thur Oct 28	Online	Ch 23 – The Urinary System
Tues Nov 2	H101	Ch 24 – Fluid, Electrolyte, and Acid/Base Balance
Thur Nov 4	Online	Ch 24 – Fluid, Electrolyte, and Acid/Base Balance
Tues Nov 9	H101	EXAM #3
Thur Nov 11	Online	Ch 25 – The Digestive System
Tues Nov 16	H101	Ch 27 – The Male Reproductive System
Thur Nov 18	Online	Ch 28 – The Female Reproductive System
Tues Nov 23	H101	❖ Hexagonal Thinking #2
Thur Nov 25		Off
Tues Nov 30	H101	Ch 29 – Human Development and Aging
Thur Dec 2	Online	Ch 4 – Genes and Cellular Function
Tues Dec 7	H101	EXAM #4
Thur Dec 9	Online	❖ Hexagonal Thinking #2

Date	Connect	OneNote Anatomy	Video Quiz-BB	Miscellaneous
Tues Aug 24				
Thur Aug 26	#1 – The Endocrine System		#1 – 11:59pm	
Tues Aug 31	#2 – Circulatory System: Blood	#1 – The Endocrine Sys		
Thur Sept 2	#3 – Circulatory System: Blood		#2 – 11:59pm	
Tues Sept 7	Extra Credit #1 Due	#2 – Circ: Blood		
Thur Sept 9	#4 – The Circulatory System: Heart		#3 – 11:59pm	
Tues Sept 14	#5 – The Circulatory System: Heart			
Thur Sept 16	#6 – The Circulatory System: BV	#3 – Circ: Heart	#4 – 11:59pm	
Tues Sept 21	#7 – The Circulatory System: BV			
Thur Sept 23		#4 – Circ: Blood Vessels		PBL activity
Tues Sept 28	Extra Credit #2 Due			
Thur Sept 30	#8 – The Lymphatic and Immune		#6 – 11:59pm	
Tues Oct 5				
Thur Oct 7	#9 – The Lymphatic and Immune		#7 – 11:59pm	
Tues Oct 12	#10 – The Respiratory System	#5 – Lymph & Immune		PBL res. paper
Thur Oct 14				
Tues Oct 19	#11 – The Respiratory System			
Thur Oct 21		#6 – Respiratory Sys.		Hex. Assign.
Tues Oct 26	#12 – The Urinary System			
Thur Oct 28	#13 – The Urinary System		#8 – 11:59pm	
Tues Nov 2	#14 – Fluid, Electrolyte, and Ph	#7 – Urinary Sys.		
Thur Nov 4	#15 – Fluid, Electrolyte, and Ph		#9 – 11:59pm	
Tues Nov 9	Extra Credit #3 Due	#8 – Fluid, Electro, Ph		
Thur Nov 11	#16 – The Digestive System		#10 – 11:59pm	
Tues Nov 16	#17 – The Male Reproductive Sys	#9 – Digestive Sys.		
Thur Nov 18	#18 – The Female Reproductive Sys	#10 – Male Reproductive	#11 – 11:59pm	
Tues Nov 23		#11 – Fem. Reproductive		
Thur Nov 25				
Tues Nov 30	#20 – Human Development & Aging			
Thur Dec 2	#21 – Genetics	#12 – Human, Dev, Aging	#12 – 11:59pm	
Tues Dec 7	Extra Credit #4 Due	#13 - Genetics		
Thur Dec 9				Hex. Assign.