



## NSG 322 section 1 Syllabus




Anatomy and Physiology Lab I for the Health Sciences

### Course Information

#### Course Information:

#### NSG 322 1 : Anatomy and Physiology Lab I for the Health Sciences

( 1.0 Credits )

 Summer Semester 2023  Center for Lifelong Learning  School of Nursing

This online, asynchronous course is designed as a stand-alone lab that can be taken concurrently with any anatomy physiology course such as Anatomy and Physiology I and Application to Health (NSG 312). The lab kit utilized in this course contains specialized equipment, an animal cadaver, and other anatomical parts. Learners will study the anatomy and physiology of the integumentary, skeletal, muscular, nervous and reproductive systems, while also exploring the interrelationships between systems, from molecular to organ levels, which are critical to the proper function of the dynamic human body. This course also provides learners with the knowledge and skills necessary to conduct laboratory experiments and utilize the scientific method in a home setting.

#### Pre-Requisite(s):

Prior or concurrent didactic anatomy and physiology course is recommended.

#### Co-Requisite(s):

Prior or concurrent didactic anatomy and physiology course is recommended.

#### Instructors:

**Faculty Name:** Haley Markham, MS, RN, CNOR, CNEcl

**Title:** Instructor of Clinical Nursing

**Office Hours:** By appointment

**Email:** SON-NSG322@URMC.Rochester.edu

#### Delivery Mode:

- ☒ Online  
☐ Fast Track/Self Paced (Correspondence)  
☐ Hybrid  
☐ In-Person







#### Meeting Days, Times and Locations,:

Fully online. No required in-class sessions. See course outline for anticipated time of completion. Students should plan on a minimum of six weeks to complete this course.

**This course runs from May 15, 2023 - August 1, 2023.**

: Students who have their material completed by July 1, 2023 will have their grade posted by July 20, 2023. Students who have their material completed by August 1, 2022 will have their grade posted by August 20, 2023.

## Course Learning Outcomes (CLO):

-  1. Conduct lab experiments safely by adhering to proper technique and ethical standards
-  2. Evaluate lab experiments utilizing the scientific method
-  3. Classify microscopic and macroscopic anatomical structures by physical characteristics, orientation and location, utilizing correct terminology
-  4. Describe the functions and major organs of the integumentary, skeletal, muscular, nervous, and reproductive systems
-  5. Explain physiologic processes of cellular function and the integumentary, skeletal, muscular, nervous, and reproductive systems.
-  6. Describe interrelationships between body systems at molecular, cellular, tissue and organ levels

## Assignments & Assessments

### Teaching Methods/Activities:

This course uses a combination of methods to facilitate learning and mastery of content, including:

- Safety guidelines
- Virtual presentations
- Instructional videos
- Recommended websites
- Practice questions
- Digital Lab Manual
- Hands-on experiments conducted in the student's home setting
- Observation and analysis of laboratory results
- Laboratory reports
- Customer support and service

### Evaluation Measures/Learning Outcomes:

**The Center for Lifelong Learning wants to make sure you have the time you need to do your best work in this course. It is your responsibility to reach out to course faculty to ask for more time if you need it, and to sign the contract that is sent to you and return it before the end of the semester. Failure to do so will result in zero points posted for any outstanding work and a final grade being calculated and posted.**

Course Requirement	Percent of Total Grade	Alignment with Student Learning Outcome(s)
1. Completion of Laboratory Experiments	20%	SLO 1-6

2. URSON Lab Manual	40%	SLO 1-6
3. Quizzes	40%	SLO 1-6

1. You must turn in your Lab manual work on the lab manual we provide for you in the course. Do not alter the lab manuals provided for you in the learning module. Do not add extra papers or attachments when submitting the lab manual. Any alteration to the lab manual or attaching additional paperwork will affect our ability to appropriately grade your work and could affect your grade.
2. Handwritten work will not be accepted
3. Current versions of Adobe Acrobat and Microsoft's PowerPoint are required
4. If you have any trouble filling in the Lab manual provided, it is the student's responsibility to e-mail course faculty immediately.
5. Only one extension will be provided if the student has reasonable need (as determined by course faculty), unless in extenuating circumstances
6. You must dissect to pass the course
7. You must submit individually completed pictures demonstrating your own work
8. You must submit individually completed lab reports in your own words

## Grading System:

A	93-100	C	73-76	
A-	90-92	C-	70-72	"C-" is considered unsatisfactory work for undergraduate students; see <i>Student Handbook</i> for implications.
B+	87-89	D+	67-69	
B	83-86	D	63-66	
B-	80-82	D-	60-62	
C+	77-79	E	<60	Failing grade; see <i>Student Handbook</i> for implications.

Final course grades will be converted to a letter grade. Final grades will not be rounded up; a minimum of 73.0% would be required to satisfactorily complete a course.

## Safe Assign Disclosure:

In this course, the SafeAssign tool may be used as a formative assessment tool to detect plagiarism in students' submitted assignments. If the SafeAssign tool detects plagiarism in your final paper submission and academic dishonesty is confirmed after careful review by faculty, you may be subject to disciplinary action in accordance with the SON Academic Integrity Guidelines, found in the SON Student Handbook. You are encouraged to submit papers to the DRAFT SafeAssign section and view the report PRIOR to submitting your final paper. This Draft SafeAssign section is for your own use; if plagiarism is detected in your draft, you will not be penalized as long as you correct areas of concern prior to final paper submission. Please note that SafeAssign is not a perfect detection tool. The report may incorrectly flag passages that are not plagiarized and may miss passages that are in fact plagiarized. It is your responsibility to learn how to interpret the findings of the report and to use a variety of strategies to prevent plagiarism in your own papers. The introductory module of this course includes links to guide you in interpreting your SafeAssign reports and preventing plagiarism.

## Required Textbook(s):

Lab Kit: eScience Labs, Anatomy and Physiology Version 1 (SKU: 5018)

If you are taking both NSG 322 and 323, you may purchase Version 3 (SKU 5069) which contains materials for both courses at a reduced rate.

\*Can be purchased through Barnes and Noble, or eScience directly.

\*If kit arrival is delayed, please notify instructors.

## Course Outline:

Lab Topic	Lab #	Approximate Time to Complete
Intro Module		60 minutes
Introduction to Science	1	60 minutes
Cell Structure & Function	2	90 minutes 24-hour advanced preparation of agar
Tissue, Glands, and Membranes	3	1 hour
The Integumentary System	4	1 hour
The Skeletal System	5	120 minutes Observation and Analysis: 3-5 days
The Muscular System	6	120 minutes
The Nervous System I	7	60 minutes
The Nervous System II	8	60 minutes
Reproductive System	9	45-60 minutes
Growth & Hereditary	10	45-60 minutes

## Academic Policies

### Academic Policies:



#### Disability Statement

*If you have a disability for which you may be requesting an academic accommodation, you are encouraged to contact both your instructor and the access coordinator for your school to establish eligibility for academic accommodations.*



#### Academic Honesty Statement

Students are responsible for their own work. Students are expected to have read and to practice principles of academic honesty. See [Student Handbook](#).

Student attestation is completed on Blackboard for each course.



## Professional Behavior / Civility Statement

The University of Rochester, School of Nursing (SON) seeks to provide an environment for learning and teaching that is respectful of diverse persons and points of view in all classroom, electronic, and clinical settings. Consistent with this goal, it is expected that diverse perspectives and opinions will be expressed and received in a respectful and professional manner. Incivility, intolerance, hate speech, and abusive behaviors are considered professional misconduct and will be acted upon in accordance with the statement in the Student Handbook.

(<https://www.son.rochester.edu/assets/pdf/studenthandbook.pdf>)



## Title IX/Sexual Harassment Policy

All members of the University community have the right to learn and work in a safe environment free from all forms of harassment, including harassment on the basis of sex or gender. Students who have been subjected to sexual harassment, including sexual assault, dating/domestic violence or stalking, have the right to receive academic, housing, transportation or other accommodations, to receive counseling and health services and to make a report about such behavior to the University and to law enforcement. For more information please visit [www.rochester.edu/sexualmisconduct](http://www.rochester.edu/sexualmisconduct).



## HIPAA Compliance

Students are to abide by the University of Rochester HIPAA Compliance Guidelines which can be found on the SON website

(<http://son.rochester.edu/r/HIPAA-Video>).



## ADA Statement

The University of Rochester welcomes students, faculty, staff and visitors with disabilities to our campus. We strive to meet the needs of all qualified participants in our programs and services by providing reasonable accommodations for individuals with disabilities and connection to resources within the University. Students seeking accommodations on the basis of a disability should follow the steps outlined on the [University's Disability Services website](#). The School of Nursing has designated an access coordinator to assist with implementing approved academic accommodations through an interactive process. Contact information for access coordinators can be found on the [Disability Services website](#).

See Student Handbook (<https://www.son.rochester.edu/assets/pdf/studenthandbook.pdf>)



## Holidays

See page 51 in the [University of Rochester School of Nursing Handbook](#).