

Biol 103: Human Biology
Spring, 2022
Tuesday & Thursday: 1:00 – 2:15 pm
Newton 202

<u>Instructor:</u>	Ms. Regina Clinton	Dr. Jani E. Lewis
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Office hours:	Monday 11:30 am -12:30 pm, Tuesday & Thursday 2:30-3:30 pm, Other times by appointment	Monday 1:30 – 3:30 pm, Wednesday 10 – 11am, Other times by appointment

Course Description and Objectives:

Designed for non-majors. Principles of basic human functions are discussed and applied to prepare the student for making broad based value judgments. Practical questions of modern life are treated scientifically from a biological viewpoint. Counts for general education only if BIOL 104 is taken concurrently. Credits: 3(3-0) Offered every spring

At the end of their course, students will be able to:

1. Understand the basic chemistry of life
2. Understand the structure and function of cells and how they reproduce
3. Understand the relationship between evolution and human form and function.
4. List all the anatomical systems in the human body and their function(s).
5. List the components of each normal human system and explain their function(s).
6. Explain structural and functional abnormalities of each human.
7. Explain injuries to the human body.
8. Evaluate the unique status of each human.
9. Apply scientific information and critical thinking when making bioethical decisions.

Required Materials:

Two options for the material necessary for class are listed below.

1. Cengage Unlimited

ISBN 9780357700006 Price: \$119.99

This option includes the etext and 6-month access to Mindtap which is required for the course. It does not include any loose-leaf or hard copy of the text. However, you can rent a hardcopy of the text for \$7.99 for the semester and includes shipping both ways. This option is marked required but if you choose option #2 you do not have to purchase this option as well.

OR

2. Human Biology (loose-leaf) with Mindtap Access.

ISBN 9781305616660 Price: 142.86

This choice includes a loose-leaf copy of the text plus access for 6 months to Mindtap which you need for the course. If you are only taking one course that requires access to a Cengage product

AND you want a loose-leaf copy of the text this choice is probably your best bet. However, if you are taking a course in another class that is also using a Cengage text the first choice is probably a much better choice since it will give you access to other course texts offered by Cengage. It is prudent to check what other texts are required in your courses to see if the first option might work the best for you.

IMPORTANT: Please note that you need to have this by the beginning of the semester. If you are waiting for financial aid to come through you can sign up for an initial 14-day trial so you can take the online quizzes and do the tutorials. Once you get your access code you can put that in and seamlessly continue to get credit for your work done via Mindtap.

You should access MindTap via the link in the Canvas course. Otherwise, the course will not be linked to your subscription. The link is in the first module within the Canvas course homepage.

Lecture notes

We will *try* to post the lecture notes on Canvas 1 day prior to class. You are welcome and even encouraged to download these and bring them to class.

Assignments:

Topics will be covered as listed in the course outline. Within each module on Canvas there will be a “Learning Objectives and Things to get done” page that will help guide you through the material. There will be links in there for reading assignments, graded assignments and some helpful videos and case studies that will be covered in the class. Please make sure to review these weekly. The reading assignments should be started before the topic is covered in lecture. Before coming to class you should have skimmed through the chapter and become familiar with the major themes and vocabulary. Careful examination of the figures will also make the lecture material more meaningful for you. After class the sections should be carefully re-read. Material from the lectures, readings and case studies will be tested on the exams.

MindTap Assignments

There are prelearning and postlearning assessments for each chapter. These are linked within each chapter module. Prelearning assessments will always be due on either a Tuesday or a Thursday. Postlearning assessments will always be due on a Saturday. Due dates are listed in the links. You will be able to view the correct answers the day after they are due. Since three of the prelearning and three of the postlearning assignments are dropped, we will *not reopen* any of these if you miss the due date.

The Use and Grading Policy for Top Hat 

A Top Hat account will be provided to you at no cost. The link to Top Hat is <https://app.tophat.com/login>. The class is listed as Biol 103 Human Biology Spring 2022 and the Join Code is 001854. Download the Top Hat app on your computer and your phone, and bring at least one device to class.

Within the Top Hat grading, four Top Hat classes can be missed with no detrimental effect on Top Hat participation points. Because Top Hat accuracy points are not incorporated in the calculation,

missed classes will also have little effect on one's grade unless the number of classes missed is more than 4 classes. Missing a class for *any reason* counts as one of those drops.

Grading

Grades are based on points earned on your top **THREE** tests at 100 points each, a percentage of MindTap points (100 points), and Top Hat participation points (50 points). **PLEASE NOTE THAT ALL EXAMS WILL BE GIVEN ONLINE AND ARE NOT SCHEDULED DURING CLASS TIMES.**

***Exams** – 66% of grade

Test 1: Chapters 1, 2, 3

Test 2: Chapters 4, 5, 6

Test 3: Chapters 7, 8, 9, 10, 11

Test 4: Chapters 12, 13, 15, 16 (note time change)

****MindTap pre learning assessments** – 11% of grade

****MindTap post learning assessments** – 11% of grade

****In class participation/Top Hat** – 12% of grade

*Your lowest test grade will be dropped at the end of the semester.

**3 MindTap prelearning assessments and 3 MindTap postlearning assessments and 4 in class Top Hat assignments will be dropped at the end of the semester.

Because of the above drops NO MAKE-UP TESTS are given and you CANNOT GET CREDIT FOR ANY MISSED ASSIGNMENTS IN OR OUT OF CLASS due to illness or other issues. Should you have extenuating circumstances you should contact us immediately. No “extra credit” assignments are available.

Grades will be assigned according to the following scale:

<u>A 92.5-100%</u>	<u>B+ 86.5-89.49</u>	<u>C+ 76.5-79.49</u>	<u>D 59.5-69.49</u>
<u>A- 89.5- 92.49</u>	<u>B 82.5- 86.49</u>	<u>C 72.5- 76.49</u>	<u>E <59.5</u>
	<u>B- 79.5-82.49</u>	<u>C- 69.5-72.49</u>	

Class etiquette:

We realize some of you might be using your cell phones during class to answer Top Hat questions. PLEASE turn your ringers off during class. If your cell phone repeatedly goes off during classes you will be asked to leave for that class and you will lose credit for any in-class activities for that day. If there is a reason you need it to be turned on to ring (awaiting an emergency call from parents or child) please let us know before class begins and there will be no problems with letting your cell phone ring during class. We appreciate your cooperation in this matter as cell phone usage during class has become an increasing disturbance in recent years.

We also expect that if you bring your computer to class you will be using it for the purpose of following

along in class and/or taking notes. Many students use their computers for checking email/playing games and/or surfing the web during class. This can be very distracting to the individual and to the people around that individual. I expect the courtesy of not performing such tasks during the 75 minutes that class is in session. If you wish to do any of these things (checking email/playing games and/or surfing the web) during the time class is scheduled please do not come to class. We reserve the right to dismiss individuals who we find using their computers during class for unrelated class activities.

Accommodations:

SUNY Geneseo is dedicated to providing an equitable and inclusive educational experience for all students. The Office of Accessibility will coordinate reasonable accommodations for persons with disabilities to ensure equal access to academic programs, activities, and services at Geneseo. Requests for accommodations including letters or review of existing accommodations should be directed to Dr. Amy Fisk in the Office of Accessibility Services in Erwin Hall 22 or access@geneseo.edu or (585) 245-5112. Students with letters of accommodation should submit their letter to each faculty member and discuss their needs as soon as possible. Please contact the Office of Accessibility Services for questions related to access and the [process for requesting academic accommodations](#):

- *Student responsibility:* Please submit your letter of accommodations to us at the beginning of the semester and make an appointment to discuss arrangements.
- *Instructor responsibility:* We are committed to working with you to figure out how to create a just learning environment while meeting the learning outcomes of the course. Unless you communicate otherwise, we will keep all accommodations confidential.

Safeguarding your mental health:

Diminished mental health, including significant stress, mood changes, excessive worry, or problems with eating and/or sleeping can interfere with optimal academic performance. The source of symptoms might be strictly related to your course work; if so, please speak with me. However, problems with relationships, family worries, loss, or a personal struggle or crisis can also contribute to decreased academic performance.

SUNY Geneseo provides mental health services to support the academic success of students. Counseling Services, a part of the Lauderdale Center for Student Health & Counseling, offers free, confidential psychological services to help you manage personal challenges that may threaten your well-being.

In the event we suspect you need additional support, we will express my concerns and the reasons for them, and remind you of resources (e.g., Counseling Services, Career Services, Dean of Students, etc.) that might be helpful to you. It is not our intention to know the details of what might be bothering you, but simply to let you know we are concerned and that help, if needed, is available. Getting help is a smart and courageous thing to do -- for yourself /and /for those who care about you.

Important dates to keep in mind

March 11	Midsemester
March 14 - 18	Spring Break – no classes
May 12	Last day to withdraw from full semester courses or elect Pass/Fail
May 12	Last day of regularly scheduled class
May 19	Final Exam – 12:00 – 2:30 pm (note time change)

Course Outline

DATE	TOPIC and Instructor
January	27 Introduction to the course and Chapter 1 – Learning about Human Biology – Ms. Clinton and Dr. Lewis
February	01 Chapter 1 – Learning about Human Biology continued. Chapter 2 – Chemistry of Life – Ms. Clinton
	03 Chapter 2 – Chemistry of Life continued. – Ms. Clinton
	08 Chapter 3 – Cells and How They Work – Ms. Clinton
	10 Chapter 3 – Cells and How They Work – continued – Ms. Clinton
	15 Chapter 4 – Tissues, Organs and Organ Systems – Dr. Lewis
	Test #1 – Chapters 1, 2, 3 – ONLINE FORMAT Opens Tuesday, Feb.15 at 4:00 pm, closes Feb. 17 at 2:00 pm
	17 Chapter 4 – Tissues, Organs and Organ Systems – continued – Dr. Lewis
	22 Chapter 5 – The Skeletal System – Dr. Lewis
	24 Chapter 5 – The Skeletal System – continued – Dr. Lewis
	March
03 Chapter 6 – The Muscular System – continued – Dr. Lewis	
08 Chapter 7 – Circulation, the Heart and Blood Vessels – Dr. Lewis	
Test #2 – Chapters 4, 5, 6 – ONLINE FORMAT Opens Tuesday, March 8 at 4:00 pm and closes March 10 at 2:00 pm	
10 Chapter 7 – Circulation, the Heart and Blood Vessels – continued – Dr. Lewis	
15 Spring Break – no classes	
17 Spring Break – no classes	
22 Chapter 8 – Blood – continued – Dr. Lewis	
24 Chapter 8 – Blood – Dr. Lewis	
29 Chapter 9 – Immunity and Disease – Dr. Lewis	
31 Chapter 9 – Immunity and Disease – continued – Dr. Lewis	
April	05 Chapter 10 – The Respiratory System – Dr. Lewis
	07 Chapter 10 – The Respiratory System – continued – Dr. Lewis
	12 Chapter 11 – Digestion and Nutrition – Dr. Lewis
	14 Chapter 12 – The Urinary System – Ms. Clinton
	19 Chapter 12 – The Urinary System – continued – Ms. Clinton
	Test #3 – Chapters 7, 8, 9, 10, 11 – ONLINE FORMAT Opens Tuesday, April 19 at 4:00 pm and closes April 21 at 2:00 pm.
	21 GREAT Day – no classes
	26 Chapter 13 – The Nervous System – Ms. Clinton
28 Chapter 13 – The Nervous System – continued – Ms. Clinton	
May	03 Chapter 15 – The Endocrine System – Ms. Clinton
	05 Chapter 15 – The Endocrine System – continued - Ms. Clinton
	10 Chapter 16 – The Reproductive System – Ms. Clinton
	12 Chapter 16 – The Reproductive System – continued - Ms. Clinton
	19 Test #4 – Chapters 12, 13, 15, 16 – 12:00 – 2:30pm – ONLINE FORMAT NOTE THE EXAM WILL ONLY BE OPEN DURING THIS TIME!!!!