

Biol 103: Human Biology
Spring, 2021
Online format

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Office hours: Tuesdays, 2:00 – 3:50 pm via Zoom (see link in Canvas) and 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 human genetics and inheritance
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. Explain AIDS and its effect on an individual human and the human population.
10. Apply scientific information and critical thinking when making bioethical decisions.

Required Materials:

Option 1:

HUMAN BIOLOGY (LOOSE)-W/MINDTAP ACCESS
|BySTARR

- **EDITION:** 11TH
- **PUBLISHER:** CENGAGE L
- **ISBN:** 9781305616660

This option is a loose-leaf version of the text and MindTap access for 6 months. That price is \$132.00 and the ISBN is 9781305616660.

Not sure how they have a used book option since it is a loose-leaf text but that is what is listed in the drop down box.

Option 2:

EBK MINDTAP BIOLOGY FOR STARR/MCMILLAN'
RECOMMENDED |ByMCMILLAN
ISBN: 9781305270220

This option gives you access to the etext only and the online MindTap program.

Option 3:

EBK MINDTAP BIOLOGY FOR STARR/MCMILLAN'
RECOMMENDED |ByMCMILLAN

- **EDITION:** 11
- **PUBLISHER:** VST

- ISBN: 8220118158529

I am actually not sure what is included in this option. It looks like option #2 but just for the rental and does include Mindtap.

Option 4:

This option is available for anyone but especially economical for those of you who might be taking a second course in some other department that is also using a textbook or materials provided through Cengage publishing. This would allow you to get those materials as well for one price. In both cases you can rent the textbook for this course for \$7.99 (free shipping) for this course. This is called Cengage Unlimited.

Cengage Unlimited: go to the following site - <https://www.cengage.com/unlimited/> 4 months (Price: \$119.99), 12 months (Price 179.99). These all will include ebooks and online access to programs such as the Mindtap which you are required to purchase for this course and may include access to other courses you are taking. To be sure you can check your other courses and see what textbooks they are using. If they are published by Cengage then you should have unlimited access by purchasing via one of these three plans.

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.

Lectures and other course materials

The format of this course is asynchronous online delivery which means that

1. All lectures will be prerecorded and posted in canvas. Links to the lectures will be found in canvas modules for that chapter.
2. Topics will be covered as listed in the course outline. Within each module on Canvas there will be a “Things to do this week” page that will help guide you through the material. There will also be links to MindTap assignments, Discussion Board Assignments and associated videos and case studies. Please make sure and review these weekly. Material from the lectures, readings and case studies will be tested on the exams.

Grading

Grades are based on points earned on your top **THREE** tests at 100 points each, a percentage of MindTap points (100 points), and Discussion board participation.

*Exams

- Exam 1: March 1st, 60 minutes, open 8 am – 10 pm
- Exam 2: March 29th, 60 minutes, open 8 am – 10 pm
- Exam 3: April 26th, 60 minutes, open 8 am – 10 pm
- Exam 4: May 20th, 120 minutes, open 8 am – 10 pm



88.9%

Lowest exam score will be dropped and replaced with your MindTap score

**MindTap

**Discussion Board

11.1% points

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

**3 MindTap prelearning and 3 MindTap postlearning assessments will be dropped and 3 Discussion Board assignments will be dropped at the end of the semester.

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

Grades will be assigned according to the following scale:

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

Accommodations:

SUNY Geneseo will make reasonable accommodations for persons with documented physical, emotional, or cognitive disabilities. Accommodations will be made for medical conditions related to pregnancy or parenting. Requests for accommodations including letters or review of existing accommodations should be directed to Ms. Heather Packer in the Office of Disability Services in Erwin Hall 22 or disabilityservices@geneseo.edu or 585-245-5112. Students with letters of accommodations should submit a letter to each faculty member at the beginning of the semester and discuss specific arrangements. Additional information on the Office of Disability Services is available at www.geneseo.edu/dean_office/disability_services.

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 I suspect you need additional support, I 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 my intention to know the details of what might be bothering you, but simply to let you know I am 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

May 12 Last day of regularly scheduled class
 Last day to withdraw from full semester courses
 Last day to elect pass/fail for full semester courses.
May 20 Final exam.

Course Outline – subject to change however you will receive announcements should that occur.

Date	Week	Topic	Assignments	Due date
Feb. 1 - 5	#1	Chapter 1 – Learning about Human Biology	Discussion Board – Placebo effect Mindtap prelearning and post learning assessments	Feb. 12
Feb. 8 - 12	#2	Chapter 23 - Evolution	Discussion Board – Evolution Mindtap prelearning and post learning assessments	Feb. 12
Feb. 15 - 19	#3	Chapter 2 – Chemistry of Life Chapter 3 – Cells and How they work.	Discussion Board – Chemistry of life Mindtap prelearning and post learning assessments	Feb. 19
Feb. 22 - 26	#4	Chapter 3 continued. Chapter 4 – Tissue, organs and organ systems.	Discussion Board – Tissue, organs and organ systems Mindtap prelearning and post learning assessments	Feb. 26
March 1	Exam #1	Chapters 1, 23, 2, 3, 4	Exam #1 – available March 1 between 8 am and 10 pm via Canvas	March 1
March 1 - 5	#5	Chapter 5 – The skeletal System	Discussion Board – The skeletal system Mindtap prelearning and post learning assessments	March 5

March 8 - 12	#6	Chapter 6 – The muscular system	Discussion board – the muscular system Mindtap prelearning and post learning assessments	March 12
March 15 - 19	#7	Chapter 7 – Circulation, the heart and blood vessels	Discussion board – circulation, the heart and blood vessels Mindtap prelearning and post learning assessments	March 19
March 22 - 26	#8	Chapter 8 - Blood	Discussion board – blood Mindtap prelearning and post learning assessments	March 26
March 29	Exam #2	Chapters 5, 6, 7 and 8	Exam #2 – available March 29 between 8 am and 10 pm via Canvas	March 29
March 29 – April 2	#9	Chapter 9 – Immunity and Disease	Discussion Board – Immunity and Disease Mindtap prelearning and post learning assessments	April 2
April 5 - 9	#10	Chapter 10 – The respiratory System	Discussion Board – the respiratory system Mindtap prelearning and post learning assessments	April 9
April 12 - 16	#11	Chapter 11 – Digestion and Nutrition	Discussion Board – digestion and nutrition Mindtap prelearning and post learning assessments	April 16
April 19 - 23	#12	Chapter 12 – The urinary system	Discussion Board – The urinary system Mindtap prelearning and post learning assessments	April 23
April 26	Exam #3	Chapters 9, 10, 11, 12	Exam #3 – available April 26 between 8 am and 10 pm	April 26
April 26 - 30	#13	Chapter 13 – The nervous system	Discussion Board – the nervous system Mindtap prelearning and post learning assessments	April 30
May 3 - 7	#14	Chapter 15 – The endocrine system	Discussion Board – the endocrine system Mindtap prelearning and post learning assessments	May 7
May 10 -14	#15	Chapter 16 – Reproductive System	Discussion Board – the reproductive system Mindtap prelearning and post learning assessments	May 14
May 20	Exam #4	Chapters 13, 15, 16	Exam #4 – available May 20 between 8 am and 10 pm.	May 20