

Course instructor name, contact info, office hours, and class meeting time.

Instructor Name: Brian H. Jensen, Ph.D	Bio 127 Human Biology Summer 1 2021
Email/phone: jensenb@strose.edu	Office location:
Class meeting time: Online	Office hours and/or time-of-day availability expectations:
Asynchronous course delivery with deadlines prior to each lecture exam	Office hours are by appointment, either by email or Zoom

Course Description:: Human Biology is a course that is designed for students who have little background in the natural sciences. During the semester we will examine basic biological and chemical processes, the function of cells, human organ systems, homeostasis, and current topics that are of interest to human biology. You will also be introduced to the scientific method and scientific writing and how these are applied to human biology. It is my hope that by the end of the semester you will all have a sound foundation in Biology. This foundation should help you to understand the relevance of important scientific advances, and become more aware of the world around you.

Text/Required Materials:

Human Biology by Willy Cushwa. Available at: <https://cnx.org/contents/5ZI71dr1@3.2:KwEToVnw@5/Preface> (Links to an external site.)

And

<https://open.umn.edu/opentextbooks/textbooks/human-biology> (Links to an external site.)

Objectives/Learning Outcomes:

The Schedule below is a tentative schedule and may change

Topic	Chapter	Assessment	Lab
Human Biology Basics	2	Quiz 1 Lecture Exam 1	All About You
Chemistry for Biology	3	Quiz 2 Lecture Exam 1	Basic Food Chemistry

Cells	4	Quiz 2 Lecture Exam 1	Cells
Nervous System	17	Quiz 3 Lecture Exam 2	Reflexes
Skeletal System	15	Quiz 3 Lecture Exam 2	Bone
Muscular System	16	Quiz 4 Lecture Exam 2	Muscles/Exercise
Circulatory System	8-9	Quiz 5 Lecture Exam 3	Heart Basics
Respiratory System	10	Quiz 5 Lecture Exam 3	Respiratory
Immune System	19	Quiz 6 Lecture Exam 3	COVID

Policies:

Attendance & Participation

Grading

Academic Integrity

Students at The College of Saint Rose are expected to be honest in every aspect of their academic work. All work presented as a student's own must be the product of her or his own efforts. Plagiarism, cheating, academic misconduct, or any other submission of another's work as one's own is unacceptable. Students working in groups are each individually responsible for the academic integrity of the entire group project.

Accommodations for Students with Disabilities

If you are a student with a documented disability and require academic accommodations, please register with Lynn Cantwell, the Director of Services for

Students with Disabilities, located in the Academic Success Center on the 2nd floor of St. Joseph Hall (518-337-2335) for disability verification and for determination of recommended reasonable academic accommodations. After you have made arrangements with that office, please see me to discuss your accommodations. Please remember that timely notice will help avoid a delay in your receipt of accommodations.

Brian H. Jensen, Ph.D.

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Office: sci359

2021

E-mail: jensenb@strose.edu

Phone: X5274

Office Hours: **BY APPOINTMENT**

Human Anatomy and Physiology

Biology 200 Spring

COVID-19 Statement: Education, at its core, is based upon trust. For education systems to be most effective students must trust that faculty will provide them the opportunity to learn the material and assess their work in a fair and equitable way. During the current pandemic, there is an additional layer of trust that we must add to our community -- the trust that we will each do our best to prevent the spread of SARS-CoV2. Each member of the class must:

1. Socially distance as much as is possible
2. Wear a mask/face shield in class and when unable to socially distance
3. Practice good hygiene both inside the classroom and outside the classroom.
4. Accept that even the best laid plans may well be disrupted -- There is a chance that our course will be modified to accommodate changes in the current health situation.

Lectures and labs will be split into two groups – Students will participate in the formation of the groups during the first lecture and lab. For the **first** lecture and lab

1. Students whose last names begin with A-J will arrive at the normally scheduled class time.
2. Students whose last name begins with K-Z will arrive 40 minutes after the scheduled class time

Course Description: This course is the second half of a two-semester sequence in Human Anatomy and Physiology. In this half of the course we will continue our examination of the organ systems including blood, the circulatory system, the lymphatic system, the respiratory system, the digestive system and aspects of nutrition, the urinary system, and the reproductive system. The laboratory portion of the course requires the use of animal tissues. Prerequisite: BIO199 and BIO199L.

Learning Outcomes/Objectives:

You Will:

- Understand and correctly use the language associated with Anatomy and Physiology
- Be able to identify tissue types based upon Anatomical features
- Understand the physiological processes that govern our bodies

Reading: You are expected to do all assigned reading prior to lecture or lab. Students frequently have difficulty with the large vocabulary associated with anatomy and physiology. It is therefore **strongly** recommended that you maintain a course vocabulary list with a brief description of all terms that are new to you. To succeed in this course you must keep up with the vocabulary. The texts required for this course are:

Martini, FH, JL Nath, EF Bartholomew. 2017. Fundamentals of Anatomy and Physiology 11th ed. Pearson.

Attendance: Attendance is mandatory for lecture and lab. If you must miss a lab, you need to let me know **before** you are absent so that you can arrange to make-up the material you miss. An unexcused absence from lab will result in a letter grade deduction from your final grade. All labs must be completed by the end of the semester.

Student Conduct: Plagiarism and or cheating in other fashions will not be tolerated and will result in failure in the course. The College of Saint Rose policy on academic integrity can be found at: <https://www.strose.edu/academics/academic-resources/academic-integrity/> (Links to an external site.). **Cell phones and other devices must be turned off** during exams. If your electronic device is on during an exam it will be considered as a case of academic dishonesty and you will receive an F for the course.

Assignments submitted late will be penalized 10% per day late.

Grading: Grades will be based on the criteria listed below. **YOU WILL RECEIVE THE SAME GRADE FOR BOTH THE LECTURE AND LAB PORTIONS OF THE COURSE.**

Lecture Exams (4) = 40%

Final Exam = 20%

Lab Practicals = 25%

3	Blood The Heart	Chapter 19 Chapter 20
4	The Heart Exam #1 Chapters 18-20	Chapter 20
5	Blood Vessels and Circulation Lymphatic System and Immunity	Chapter 21 Chapter 22
6	Lymphatic System and Immunity The Respiratory System	Chapter 22 Chapter 23
7	The Respiratory System Exam #2 Chapters 21-23	Chapter 23
8	The Digestive System	Chapter 24
9	Metabolism, Nutrition and Energetics Urinary System	Chapter 25 Chapter 26
10	Urinary System Fluid, Electrolyte, and Acid Base Balance	Chapter 26 Chapter 27
11	Fluid, Electrolyte, and Acid Base Balance Exam #3 Chapters 24-26	
12	Easter Monday Fluid, Electrolyte, and Acid Base Balance	Chapter 27

13	The Reproductive System	Chapter 28
14	Development and Inheritance	Chapter 29
15	Review Exam #4 Chapters 27-29	

Lab #	Lecture Topic:	Assignment
1	House Keeping/Expectations Anatomical Landmarks, Planes, Body Cavities	
2	Endocrine Anatomy Second Messenger Systems	Quiz #1
3	Blood Blood Typing	
4	The Heart	Quiz #2
5	Blood Pressure Peripheral Circulation	
6	Respiratory System	Quiz #3
7	Review	

8	Lab Practical #1	
9	Digestive System Anatomy / Physiology	
10	Body Composition	Quiz #4
11	Urinary System / Urine Testing	Quiz #5
12	Easter Monday	
13	Reproductive System	Quiz #6
14	Inheritance	
15	Lab Practical #2	