

Instructor

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Office hours

Virtual office hours are on **Mondays 8:00am-9:30am**. During this time, I will be by my computer ready to answer emails. In the event that your questions cannot be addressed over email, we will make arrangements to use other forms of communication- such in-person or via phone or Zoom. Students are also encouraged to email me whenever they need assistance- you do not need to wait for my office hours. I will try to respond to all emails within 24 hours Monday-Friday.

Course Description

A molecular, cellular, organismic or environmental approach to the human body and its dysfunctions, disorders and diseases including their causes, treatments and recent biomedical advances.

Course Learning Goals

Upon completion of BIOL 205, you will:

1. Know basic principles associated with the life sciences relating to:

- the general concepts and classifications of human disease;
- the anatomical basis of disease in specific organs and body systems;
- the physiological basis of disease in specific organs and body systems.

2. Be able to use your knowledge of these principles and to apply scientific reasoning to:

- analyze problems;
- interpret evidence as presented in case studies;
- articulate and/or evaluate explanations.

Materials and Resources

- **Textbook: Crowley's An Introduction to Human Disease Pathology and Pathophysiology Correlations. Reisner, Emily and Reisner, Howard. 11th Edition. 2022. Jones and Bartlett Publishing Group.**
- **Blackboard (Bb).** Blackboard is the web-based course management system that we use at SIUE. This is your **primary source of information** regarding the course. Through Blackboard, you may access the course syllabus and schedule, class slides in PDF format, homework assignments, your grades, links to online resources, announcements, and other materials relevant to the course. *Logging In:* You may access the Blackboard site by going to <http://bb.siue.edu/>. Your Blackboard login is your email username and your Blackboard password is your email password. Additional Blackboard resources include:
 - Blackboard Student Orientation Site: <http://www.siue.edu/its/bb/index.shtml>
 - Blackboard Help Line: 618-650-5500

Technology Requirements and Capabilities

At a minimum, you will need the following software/hardware to participate in this course:

- Computer with an updated operating system (e.g. Windows, Mac, Linux)
 - Note: At this time, Google Chrome Books do not work with Respondus Lockdown Browser
- Updated Internet browsers (Apple Safari, Google Chrome, Mozilla Firefox). See Blackboard's Browser Checker page to see if your browser and operating system are compatible with Blackboard.
- DSL or Cable Internet connection or a connection speed no less than 6 Mbps.
- Media player such as, QuickTime or Windows Media Player.
- Adobe Reader or alternative PDF reader (free)
- Java plugin (free)
- Any other specialized software or basic software (e.g., Microsoft Office- Word, Excel, PowerPoint, and Lens). SIUE students can download MS Office at no charge.
- Webcam or other hardware for virtual Zoom meetings and exam proctoring.

Students in an online course should be able to:

- Use a word processor, such as MS Word, to compose assignments and communicate with others in class
- Attach files to emails or course areas
- Upload completed materials to Blackboard
- Navigate websites and course materials
- Reach out to tech support staff when issues arise and troubleshoot to resolve problems

Assessment and Grades

Exams

Exams will assess your progress toward both course learning goals: (1) your knowledge of basic biological concepts relating to human health and disease and (2) your ability to use this knowledge to reason scientifically in the context of novel problems.

- There will be **three lecture exams** (each worth 15% of your grade) and **one final exam** (worth 15% of your grade).
- Each of the three unit exams will cover the material you learned in the week immediately preceding the exam (and following the previous exam); the final exam is comprehensive (cumulative).
- You will take the exams online through Blackboard at their specified window of availability. If you have an accommodation for extra time on exams, please be sure to inform me as soon as possible so that your accommodations can be applied to course assessments.
- The exams will be a mixed format and may include multiple-choice questions, true/false questions, labeling, matching questions, "select all"-formatted questions, and short answer/written response.
- Online exams will be administered through the course Blackboard page and will require the use of Respondus Lockdown Browser. Respondus Video Monitoring *may* be used for any of the exams, for which a webcam is required.

STUDYING FOR EXAMS

Reading through the class slides is not enough! Reading the textbook and taking notes, homework assignments, class assignments, and the video lectures are study materials that you will need to prepare effectively for exams.

Assignments

Course assignments include homework, Blackboard assignments, quizzes, activities, and discussions. Every graded assignment is recorded in Blackboard, and all assignment points you earn are added up into a single score, which is continuously updated in My Grades as "Assignment Running Total". At the end of the semester, you will receive a cumulative score for all Assignments. **Note that your Assignment Total does not include exams.**

You cannot make up missed assignments. If you have missed an assignment deadline, it cannot be made-up, re-opened, nor will the due dates be extended. If you are ill for two or more consecutive days or have other reasons that might cause you to miss deadlines, please communicate promptly with me to discuss your situation.

Homework assignments are primarily a study tool and it is in your best interest to complete them in a timely manner. If you accidentally miss a deadline, I encourage you to complete the assignment anyway for your own benefit, even though no credit will be awarded for late homework assignments.

For all assignments that are submitted online, they must be completed or uploaded by the deadline. A deadline of 9:00am is a deadline of 9:00:00am. Submissions after the indicated time, even a second after, are considered by Blackboard as late and will be marked as such. Please plan accordingly.

Grades

Your grade for the course will be based on the following:

Course Assignments	40%
Unit I Exam	15%
Unit II Exam	15%
Unit III Exam	15%
<u>Final Exam</u>	<u>15%</u>
Total	100%

Your grade in this course will be determined by a straight curve based on the percentage of points you have earned using the following grading scale. **There will be no extra credit or curve in this course! Please do not ask for extra credit or additional assignments. Percentages will not be rounded.**

Grade	Percentage Range
A	89.0 - 100.0%
B	79.0 - 88.99%
C	69.0 - 78.99%
D	59.0 - 68.99%
F	less than 59.0 %

Student Expectations

Student Conduct

Online discussions, meetings, and communications will occur throughout the semester. This is a good way to interact with your fellow classmates. When discussions or online activities are used as an assessment tool, grading criteria and directions for the discussion or online activity will be provided on Blackboard. Discussions and activities may occur in small groups and will be graded on thoughtful contributions and clarity of points presented. Each group member will be evaluated individually by the course instructor.

- **Reflect** before you post an emotional response and reread what you have written to be sure it is professional. Communicate as if your comments are printed in a newspaper.
- **Communicate** effectively.
 - Do not use all caps or multiple punctuation marks (!!!, ???, etc.).
 - Be sure to define or explain acronyms, jargon or uncommon terms so everyone can understand and participate in the discussion.
- **Sign your name.** Take responsibility for your comments in order to build a strong classroom community.
- **Foster community.** Share your ideas and contribute to ongoing discussions. Make comments that add to, not detract from, a positive learning environment for the course.
- **Be constructive.** Challenge ideas and the course content, but do so in positive ways. It's fine to disagree, but when done politely you stimulate and encourage helpful discussion, and you maintain positive relationships with fellow students.
- **Keep the conversation on topic.** Online dialogue is like conversation. If there is a particular dialogue going on, please add to it, but if you have something new to say, start a new thread.

Academic Accommodations

Students needing accommodations because of medical diagnosis or major life impairment will need to register with Accessible Campus Community & Equitable Student Support (ACCESS) and complete an intake process before accommodations will be given. Students who believe they have a diagnosis, but do not have documentation, should contact ACCESS for assistance and/or appropriate referral. The ACCESS office is located in the Student Success Center, Room 1203. You can also reach the office by emailing us at myaccess@siue.edu or by calling 618-650-3726.

Contacting Me – Etiquette

E-mail is the preferred method of contacting me. I check my e-mail throughout the day and a few times on the weekends. I try to respond to student e-mails within 24 hours. However please do not e-mail me at 2:00am and expect that I have read your e-mail, addressed your question or problem, and replied by 8:00am. When you send me an e-mail, please include BIOL 205 in the subject line to expedite the process and please sign your name (email addresses can be hard to decipher). Here are some pointers about e-mailing your instructors:

- E-mails are permanent, electronic messages. Once it is sent, you cannot get it back. A good proofread can make all the difference in conveying a message correctly. Also verify the e-mail address and make sure you are sending your e-mail to the appropriate person.
- Send e-mails about University business from your University e-mail account. This helps to ensure that your e-mail does not end up in a junk folder.
- Subject lines are important. Indicating that an e-mail is about a specific course, helps an instructor to sort through their email and identify high-priority messages. Subject lines are for brief explanations of the nature of the e-mail. Do not use the subject line to make demands- "Urgent- Important Information" is not acceptable e-mail etiquette.

- Use a salutation to address the individual that you are e-mailing. At the University level, the safest way to start any e-mail to an instructor is Dear Professor (Last Name). This avoids any confusion about whether or not the professor has a PhD, or if they prefer to go by Mr./Mrs./Ms./Miss, or if they use their first name.
- Avoid writing in all uppercase letters. This is an e-mail convention for anger and strong emotion. Also avoid emoticons and smileys- your feelings about the matter may differ from the recipient of the e-mail.
- E-mails are not Facebook posts or text messages. Do not write an e-mail the way you post something on social media nor is it appropriate to use text message (IM-ing) lingo. So pls dun wrte yor profeSR llk ur txtN. uz abbrz @ yor own rsk.
- Always sign your e-mail. Take responsibility for your e-mail.

Course Components

Course Activities and Assignments

Throughout the semester you will be assigned chapters in the textbook to read and other study materials that cover the chapter material. The assigned readings and other chapter material will be posted on the Blackboard course site in the respective Unit folder. You are responsible for studying these materials. Activities, discussions, and assignments will be assigned throughout the duration of the semester and can be found in their respective Unit Materials Folder on Blackboard.

Course Policies

Exams

Students are required to take the unit exams and the final exam in the designated availability window, unless accommodations through the ACCESS office have been granted. Make-up exams will generally not be granted unless the student can provide sufficient documentation for their absence. Acceptable documentation would include: a letter from the athletics office stating participation in a University-sponsored sport competition or event, serious medical emergencies for which a physician has been consulted AND provides a letter excusing the student from class for a duration of time which includes when the exam occurred (having a doctor's appointment or a note that claims you were seen by the physician is not acceptable), court appointed legal obligations (a copy of the legal documents requesting your presence in court will be required), and family emergencies (these will be addressed on a case-by-case basis). **Make-up exams, regardless of reason, may be a combination of oral and written examination.** A student that is granted a make-up will NOT be given the same exam students received in lecture during the normal examination time. All make-up exams will be administered on in the last day of the course.

Exam grades will be posted on Blackboard as soon as possible (once the tests are graded).

The feedback you receive through these graded exams is one of the best tools at your disposal to identify areas that need more work, and modify your study strategies, if necessary.

Grade discrepancies

Students may dispute a grade on an assignment, activity, quiz, or exam. However, the dispute must be brought to my attention within ONE week of the graded assignment, activity, quiz, or exam being returned to the students. Please know that re-grades may result in a lower score, as the entire assignment will be re-graded.

University Policies and Important Information

Withdraw and Drop Dates – Winter Session 2021-2022

The last day to drop the class and receive a full tuition refund is December 20th. December 31st is the last day to withdraw from the course with permission from the instructor and an advisor

Academic Integrity

Acts of academic misconduct for which students are subject to sanctions include, without limitation, plagiarism, cheating, failure or refusal to follow clinical practice standards, falsifying or manufacturing scientific or educational data and/or representing manufactured data to be the result of scientific or scholarly experiment or research, and soliciting, aiding, abetting, concealing, or attempting such acts. Plagiarism may consist of copying, paraphrasing, or otherwise using the written, electronic, or oral work of another without proper acknowledgment or consent of the source or presenting oral, electronic, or written material prepared by another as one's own. Plagiarism also includes using information from electronic resources,

including the Internet, without the use of proper citations. Work completed in other classes may not be used to satisfy requirements for this class. **Handing in previously completed assignments will be considered a breach of academic integrity.** Finally, unreported knowledge of academic misconduct by other students will be considered a breach of this policy punishable by the outcomes listed below.

Reporting academic misconduct. I expect you, as students, to take part in enforcing the academic misconduct policy. A student that gets a grade he/she does not deserve devalues YOUR grade in the class, even if this student is one of your friends. It is a matter of basic fairness. Therefore, I encourage you, as students, to report possible acts of academic misconduct to me. I give you my word that I will keep your report confidential and the student will never know that it was made. If you are uncomfortable, you may simply leave an anonymous note on my office door or in my faculty mailbox. I will also state here that no student report will lead to any type of sanctions without additional evidence. I will investigate, and only those acts that I can personally verify will be used.

Any evidence of academic misconduct in this course, including falsification or misrepresentation of data or plagiarism will result in failure of the course or, at the instructor's discretion, further penalties outlined in the code of student rights and conduct (<http://www.siue.edu/policies/3c2.shtml>). You will be expected to be familiar with and adhere to these codes. You are expected to work individually on all assessment exercises in this class unless specifically stated otherwise.

Student Resources

Technical Support

Since this is an online course, you are expected to have reliable Internet access on a regular basis. It is your responsibility to address any computer problems that might occur. Such problems are not an excuse for delays in meeting expectations or for missing course deadlines. Blackboard support is available by calling ITS at 618-650-5500, emailing help@siue.edu, or by visiting: <http://www.siue.edu/its/bb/help.shtml>. Urgent tech support requests should be made by phone.

The Winter Session Help link is available on the course menu on Blackboard. Please consult this link for Blackboard help during the winter session and availability of ITS personnel. Additionally, winter session key dates are also available through this link.

Academic Integrity

Students are reminded that the expectations and academic standards outlined in the Student Academic Code (3C2) apply to all courses, field experiences and educational experiences at the University, regardless of modality or location. The full text of the policy can be found here: <https://www.siue.edu/policies/3c2.shtml>.

Recordings of Class Content

Faculty recordings of lectures and/or other course materials are meant to facilitate student learning and to help facilitate a student catching up who has missed class due to illness. As such, students are reminded that the recording, as well as replicating or sharing of any course content and/or course materials without the express permission of the instructor of record, is not permitted, and may be considered a violation of the University's Student Conduct Code (3C1), linked here: <https://www.siue.edu/policies/3c1.shtml>.

Potential for Changes in Course Schedule or Modality

As the COVID-19 pandemic continues, there remains a possibility that planned classroom activities will need to be adjusted. Depending on circumstances and following state-issued recommendations, potential changes include changes in course modality (e.g., transition from face-to-face to online) or in course scheduled meetings. These changes would be implemented to ensure the successful completion of the course. In these cases, students will be provided with an addendum to the class syllabus that will supersede the original version.

Our Statement on Inclusivity and Equity

Institutional Commitment

SIUE is committed to respecting everyone's dignity at all times and dismantling systems of oppression that permeate institutions in our society. In order to learn, exchange ideas, and support one another, our virtual and physical classrooms must be places where students and teachers feel safe and supported. All students and faculty have the responsibility to co-create a classroom that affirms inclusion, equity, and justice, where racism, sexism, classism, ableism, heterosexism, xenophobia, and other forms of discrimination are not tolerated. Violations of this policy will be enforced in line with the SIUE Student Conduct Code (<https://www.siue.edu/policies/3c1.shtml>).

The Center for Student Diversity & Inclusion (<https://www.siue.edu/csdi/>) is an excellent resource for support and community. If you experience or witness discrimination or harassment, you can reach out to Ms. Jamie Ball, director of the Office of Equal Opportunity, Access and Title IX Coordination (<https://www.siue.edu/ea/>), by e-mail at jball@siue.edu or by calling 618-650-2333. You can also report bias incidents using this online form (<https://www.siue.edu/birt>).

Departmental Commitment

The Department of Biological Sciences is committed to providing an educational and experiential environment that fosters inclusive participation by all students and faculty. This commitment is reflected in curricular design, communication of research opportunities, and coordination of advising and mentoring. The Department seeks to increase and maintain inclusivity at all levels of undergraduate and graduate education, recognizing that the Biological Sciences impact almost all aspects of human society and that multiple views and approaches produce the best Science.

For questions regarding the Department's commitment to curricular and experiential inclusion and equity, please contact the Department Chair (Dr. Vance McCracken, (618)650-3928, vmccrac@siue.edu).

	Topics	Textbook Reading Assignment	Screencast(s)
Unit I	General Concepts of Disease	Chapter 1; pp. 1-26	<ul style="list-style-type: none">General Concepts of Disease: Principles of Diagnosis
	Cells and Tissues	Chapter 2; pp. 27- 48	<ul style="list-style-type: none">Cells: Their Structure and Function in Health and DiseaseTissues: Their Structure and Function in Health and Disease
	Genes, DNA, Chromosomes, and Cell Division	Chapter 3; pp. 49-72	<ul style="list-style-type: none">Chromosomes, Genes, and Cell Division
	Congenital and Hereditary Diseases	Chapter 4; pp. 72-98	
	Inflammation and Repair	Chapter 5; pp. 99-112	<ul style="list-style-type: none">Inflammation and Repair
	Immunity, Hypersensitivity, Allergy, and Autoimmune Diseases	Chapter 6; pp. 113-150	<ul style="list-style-type: none">Immunity, Hypersensitivity, Allergy, and Autoimmune Diseases
	Neoplastic Disease	Chapter 7; pp. 151- 184	<ul style="list-style-type: none">Neoplastic Disease
Unit I Materials due by 9:00pm Sunday, December 26 th . Unit I Exam available 9:00am Sunday December 26 th until 10:00pm Monday, December 27 th .			
Unit II	Pathogenic Microorganisms	Chapter 8; pp. 185- 214	<ul style="list-style-type: none">Pathogenic Gram Positive BacteriaPathogenic Gram Negative Bacteria
	Parasitic Organisms	Chapter 9; pp. 215-232	<ul style="list-style-type: none">Animal Parasites
	Communicable Disease Control and Sexually Transmitted Disease	Chapter 10; pp. 233-258	<ul style="list-style-type: none">Infectious Disease and EpidemiologyInfectious Disease and Epidemiology – Pathogenesis
	The Cardiovascular System	Chapter 11; pp. 259-304	<ul style="list-style-type: none">The Cardiovascular System
	Diseases of Blood Circulation	Chapter 12; pp. 305-342	<ul style="list-style-type: none">Circulatory Disturbances
	The Hematopoietic and Lymphatic Systems	Chapter 13; pp. 343-382	
	Abnormalities of Blood Coagulation	Chapter 14; pp. 383-396	
Unit II Materials due by 9:00pm Sunday, January 2 nd . Unit II Exam available 9:00am Sunday, January 2 nd until 10:00pm Monday, January 3 rd .			
Unit III	The Respiratory System	Chapter 15; pp. 397-432	<ul style="list-style-type: none">The Respiratory System
	The Pancreas and Diabetes Mellitus	Chapter 22; pp. 611-628	<ul style="list-style-type: none">The Pancreas and Diabetes Mellitus
	The Gastrointestinal Tract	Chapter 23; pp. 629-668	<ul style="list-style-type: none">The Gastrointestinal Tract
	The Nervous System	Chapter 25; pp. 705-748	<ul style="list-style-type: none">The Nervous System
	The Musculoskeletal System	Chapter 26; pp. 749-790	<ul style="list-style-type: none">The Musculoskeletal System
Unit III Materials due by 9:00pm Friday, January 7 th . Unit III Exam available 9:00am Friday, January 7 th until 10:00pm Saturday, January 8 th . Course Final Exam available 9:00am Saturday, January 8 th until 10:00pm Sunday, January 9 th .			

**** Please note that the schedule is subject to change. All changes will be announced in Blackboard.****