Department of Biological Sciences

About the Instructor
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                          Wednesdays and Fridays 10:00am-12:00pm

Welcome and Bio:
Welcome to BIOL 205 Human Diseases – online! I'm excited to help facilitate your learning about human diseases. I'm starting my tenth year as an instructor at SIUe in the Department of Biological Sciences. I've taught a variety of courses geared towards introductory biology concepts, in addition to BIOL 203 Human Sexuality and Reproduction and BIOL 250 Bacteriology. Currently, I am working on developing our biology major's introductory sequence- focusing on authentic inquiry methods associated with algal biodiesel production.

I earned my Bachelor of Science in Biological Sciences from the University of Missouri- Columbia in 2002. I attended Saint Louis University, where I received my Master of Science in Biological Science (2004) and continued my post-Masters education with an emphasis in science pedagogy.

Teaching Philosophy:
I believe that every student that is dedicated to their education has the right to quality instruction. The basis of this statement draws on the experiences that I have teaching biology for the last fourteen years. Quality instruction is more than just presenting material and hoping that the students can remember some basic principle. Quality instruction requires instructors to understand not just the content of the course, but to provide insight on the importance and impact of the content to the lives of their students. As an instructor of biology, I often remind my students of where they fit into the grander scheme of life at a variety of different hierarchical levels. This application of the content becomes the motivation for student learning.

Communicating with the instructor:
E-mail is the best method to reach me. I am usually able to respond to emails within 24-hours. When emailing me, please be certain to include BIOL 205 in the subject line to expedite my response. Communications should be done using an SIUe email account. During my virtual office hours, I will be at my computer and can respond very quickly to email.

About the Course
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. This course is not for biological sciences major credit. This course is not considered a prerequisite for BIOL 240A Human Anatomy and Physiology or BIOL 250 Bacteriology.

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Prerequisite knowledge and credit hours:
The prerequisite for this course is undergraduate level BIOL 111 with a minimum grade of C <u>or</u> undergraduate level BIOL 140 with a minimum grade of C <u>or</u> undergraduate level BIOL 150 with a minimum grade of C. This is an online lecture format, three credit hour course.

Course goals and objectives:
- To gain knowledge and understanding of the general concepts and classifications of human disease.
- To implement knowledge and understanding of the anatomical and physiological basis of disease in specific organs and body systems.
- To apply knowledge of anatomical and physiological basis of disease to clinical cases.
- To develop critical thinking skills in applying biological information in real-life situations.

Course textbooks:
Crowley, Leonard V. 2013. An Introduction to Human Diseases: Pathology and Pathophysiology Correlations. Ninth Edition. Jones and Bartlett Learning, Burlington, MA.

The textbook is available through the SIUe textbook rental system. The textbook can be picked up from Textbook Services beginning on December 10th, 2019. If campus is not accessible for the student, then they should contact Textbook Services directly at 618-650-3020 to arrange for textbook delivery. Please note that textbook services require advance notice for the delivery of a textbook. Please visit the following link for additional information: http://www.siue.edu/textbook/index.shtml.

Course requirements
Course activities/assessments:
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 chapter's folder. You are responsible for studying these materials.

There will be three unit exams. Each unit will cover five or six chapters (see course schedule). The exams will be online (taken through Blackboard) and have mixed format: multiple choice, matching, labeling, fill-in-the-blank, true/false, and short answer. Each unit exam will be available for the last three days of the unit. However, students may only access the unit exam once and it must be completed within the allotted time. All unit exams are 100 points. Please see the course schedule for specific due dates for each unit.

The final exam will be comprehensive, including material from the entire semester. The final exam will also be administered on Blackboard, following the same guidelines as the unit exams. The final exam is worth 100 points. Please see the course schedule for specific availability.

Submitting work:
Case studies and written assignments will be assigned throughout the semester. Each Unit will have one case study or assignment. Answers to these assignments must be typed (approximately two pages) and uploaded to TurnItIn. Specific directions for how to use TurnItIn and how points will be awarded on individual assignments will be available in Blackboard.

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Online discussions:
Online discussions will occur throughout the semester. This is a good way to interact with your fellow classmates. When discussions are used as an assessment tool, grading criteria and directions for the discussion will be provided on Blackboard. Students should expect to engage in a minimum of four discussions (one introduction discussion and one discussion for each of the three units). Discussions will occur is 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.

Online class behavior/"netiquette":
- **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.

Technology requirements:
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)
- Updated Internet browsers (Apple Safari, Internet Explorer, Google Chrome, Mozilla Firefox)
- 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): http://get.adobe.com/reader/?promoid=HRZAC
- Java plugin (free): http://java.com/en/download/index.jsp
- Any other specialized software or basic software (e.g., MS Office, etc.). Students can download MS Office at no charge here: http://www.siue.edu/its/news/2014/03/microsoft-office-students.shtml

Technology capabilities:
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
- Navigate websites and course materials
- Reach out to tech support staff when issues arise and troubleshoot to resolve problems

Course and University policies

Academic integrity/ plagiarism: (University and course policy)
Plagiarism is the use of another person's words or ideas without crediting that person. Plagiarism and cheating will not be tolerated and may lead to failure on an assignment, in the class, or dismissal from the University, per the [SIUE academic dishonesty policy](#). Students are responsible for complying with University policies about academic honesty as stated in the [University's Student Academic Conduct Code](#).

Subject to change notice:
All material, assignments, and deadlines are subject to change with prior notice. It is your responsibility to stay in touch with your instructor, review the course site regularly, or communicate with other students, to adjust as needed if assignments or due dates change. In the event that changes are made, an announcement will be posted on the course Blackboard page and a corresponding email will be sent. Please check your SIUe e-mail regularly.

Accessibility:
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 1270. You can also reach the office by e-mail at myaccess@siue.edu or by calling 618.650.3726. For more information on policies, procedures, or necessary forms, please visit the ACCESS website at http://www.siue.edu/access.

Important Dates:
The last day to drop the course and receive a full tuition refund is December 16th, 2019. Last day a student may withdraw (W), without instructor permission, is December 27th, 2019. Last day a student may withdraw (WP or WF), with instructor permission is January 1st, 2020. Please note: a grade of WP is only awarded to the student if they have earned 60% or more of the current point total.

Grading and Participation

Grade elements:

Exam I	100 points
Exam II	100 points
Exam III	100 points
Comprehensive Final	100 points
Discussions and Peer Review	50 points
Case Studies and Assignments	100 points
Total Points	550 points

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Grading scale:
Your grade in this course will be determined by the number of points you earn from a fixed number of points using the following grading scale:

Grade	Percentage Range
A	90 - 100.0%
B	80 - 89.9%
C	70 - 79.9%
D	60 - 69.9%
F	less than 59.9 %

The course instructor reserves the right to adjust the final grade cutoffs in the favor of the students. This will always be in the favor of the student and will NEVER be adjusted against students. Individual exams, assignments, and quizzes will NOT be adjusted.

Course letter grades will be posted on Blackboard at the conclusion of the winter semester. However, course letter grades will not appear on your transcript until *after* the Spring 2020 term.

Feedback and grading timeline:
Most assignments will be graded within 48-hours of the due date. You can find your grade by clicking the My Grades link on the left menu of the Blackboard course. If there is a rubric attached to the assignment, you can click your score to see my personal feedback on the rubric. Answers for exam questions and quizzes will be available *after* the due date. Again, the MyGrades link in Blackboard will provide a raw score on the assessment that is hyperlinked to the answers. Click on the hyperlink to access the answers.

Late or Missed Assignments:
Assignments not completed by the due date (and time) will not be accepted. It is your responsibility to know when assignments are due and to submit your work accordingly. All assignments (case studies, discussions board posts, online activities and unit exams) should be completed by the deadline listed for the unit in the schedule.

Participation:
It is vitally important that our classroom environment promote the respectful exchange of ideas, including being sensitive to the views and beliefs expressed during online discussions. Your success in this course will depend on your communication, consistent engagement and active participation in all course activities. Success in this course requires that you adhere to the deadlines given below as you complete assignments, discussions and other course activities. Participation in online discussions is very important and is not optional. You are expected to post and reply to discussions in a timely manner consistent with the requirements contained within the course syllabus and assignment.

Student Resources
How to succeed in this course:
The expectations of an online student are to:
- Participate in the virtual classroom 5-7 days a week
- Be able to use terminology properly
- Be able to complete assignments on time
- Enjoy communicating in writing
- Be self-motivated and self-disciplined

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- Accept critical thinking and decision making as part of the learning process
- Be able to think ideas through before responding
- Contribute your ideas, perspectives, and comments to course discussions
- Be polite and respectful
- Be willing to "speak up" if problems arise
- Be able to apply what you learn
- Be open minded about sharing life, work, and educational experiences as part of the learning process

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.

SIUE campus, including the Lovejoy Library, will be closed from Saturday, December 22 through Wednesday, January 2nd. While on-campus computers will not be available when the University is closed, ITS and Blackboard assistance (technical support) is available 24 hours a day, including holidays.

Lecture Audio
For each topic, a lecture with audio voice-over has been posted on the course Blackboard site. You may listen to the audio as many times as you like (or need) to generate your notes. The audio contains a lot of information that you will be expected to know- as if you were in a traditional lecture setting. To help guide your understanding of the material, I have also posted a Word file for each lecture that is entitled Lecture Objectives. This document contains a set of lecture objectives, key vocabulary, and review questions associated with the corresponding lecture content. This is a valuable resource that can be used to help you prepare for the exams.

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Course Schedule (subject to modification):

Unit	Topic	Reading Assignment	
		Chapter	Page Numbers
	Welcome to BIOL 205 Introductory Discussion due by noon on Wednesday, December 18th **Syllabus Quiz due by noon on Wednesday, December 18th**		
	Unit 1 Activities (discussions, case studies, and assignments) will be available beginning Monday, December 16th, 2019 at 9:00am **Unit 1 Exam will be available beginning Friday, December 20th , 2019 at 9:00am**		
Unit 1	General Concepts of Disease	1	1-20
	Cells and Tissues	2	21-42
	Chromosomes, Genes, and Cell Division	3 9	43-62 164-190
	Inflammation and Repair	4	63-72
	Neoplastic Disease	10	191-230
	Immunity, Hypersensitivity, Allergy, and Auto Immune Diseases	5	73-96
	Completion of all Unit 1 Activities and Exam by 11:00pm CST on Sunday, December 22nd, 2019		
	Unit 2 Activities (discussions, case studies, and assignments) will be available beginning Sunday, December 22nd, 2019 at 9:00am **Unit 2 Exam will be available beginning Friday, December 27th, 2019 at 9:00am**		
Unit 2	Infectious Disease and Epidemiology	8	142-163
	Pathogenic Microorganisms (Bacteria and Viruses)	6	97-126
	Animal Parasites (Zoonoses)	7	127-141
	Circulatory Disturbances	12	246-262
	Cardiovascular System	13	263-340
	Completion of all Unit 2 Activities and Exam by 11:00pm CST on Sunday, December 29th, 2019		
	Unit 3 Activities (discussions, case studies, and assignments) will be available beginning Sunday, December 29th, 2019 at 9:00am **Unit 3 Exam will be available beginning Friday, January 3rd, 2020 at 9:00am**		
Unit 3	Respiratory System	5	373-407
	Pancreas and Diabetes Mellitus	22	590-608
	Gastrointestinal Tract	23	609-650
	Nervous Systems	26	698-740
	Musculoskeletal System	27	741-775
	Completion of all Unit 3 Activities and Exam by 11:00pm CST on Saturday January 4th, 2020		
	Final Exam due by 11:00pm CST on Sunday, January 5th, 2020		