



SCI 1091D
Health and Disease
Course Syllabus - FALL 2010

Individuals with disabilities who need to request accommodations should contact the Disability Services Coordinator, Student Center 214, 678-466-5445, disabilityservices@mail.clayton.edu. Accommodations are made through disability services for extended time for assessments.

Course Description

Number and Title: SCI 1901D Health and Disease (CRN 88013)

Credit Hours: 3.0 semester credit hours

Class Meetings: Class meeting will take place every Monday and Wednesday from 5:00 pm until 6:15 pm in Clayton Hall T220.

Catalog Description: SCI 1901 D (3-0-3)

Pre-Requisites: None

Notebook Computer Requirement:

Each CSU student is required to have ready access throughout the semester to a notebook computer that meets faculty-approved hardware and software requirements for the student's academic program. Students will sign a statement attesting to such access. For further information on CSU's Official Notebook Computer Policy, please go to <http://itpchoice.clayton.edu/policy.htm> or contact *The Student Software Support Services* { http://thehub.clayton.edu/index.php?nav=hub_services } at the HUB. All computers are required to have Adobe Reader installed to read the pdf uploaded on Georgia view for this course. For information on Acrobat reader, please go to <http://get.adobe.com/reader/>.

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Computer Skill Pre-Requisites:

- Able to use the Windows™.
- Able to use a the Microsoft Word™.
- Able to use a the Microsoft Excel™.
- Able to send and receive e-mail using the Outlook™ or Outlook Express™.
- Able to use a Web browser.
- Able to use Georgia View.

In-class Use of Student Notebook Computers:

Student notebook computers will occasionally be used in this class. Outside of class, computers will be used to complete assignments, to access the internet and class materials, to do activities on the text CD ROM, and to communicate with the instructor.

Course Learning Outcomes:

1. Students will be able to describe the nature of a human disease and how diagnostic tests are used by physicians to determine the proper treatment for the patient.
2. Students will be able to visualize the components of the reproductive system and determine what disorders may results from them.
3. Students will be able to illustrate the structure of the heart, describe the blood flow through the heart, predict the blood pressure of a human body, and propose the heart related diseases of a patient.
4. Students will be able to differentiate between the cells of the blood system, determine the function of each component, analyze the development of blood cells, and determine what diseases may result from a patient given certain signs and symptoms.
5. Students will be able to distinguish between animal parasites and pathogenic microorganisms and indicate which disease is related to each infection.

6. Students will be able to sketch the various stages cell division, recall how the genetic material within the cell is transferred to newly formed cells in the form of hereditary information, and apply the importance of gene therapy.
7. Students will be able to recognize all parts of the eukaryotic cell, discuss each function, visualize the cell functioning as a collective, and predict the diseases related to the cell based on the patient signs and symptoms.
8. Students will be able to identify parts of the immune system and express how the body defense mechanisms relate and determine the diseases related to a compromised immune system.

Instructor Information:

Dr. J. Yvette Gardner (CRN 88013)

Office: Faculty Hall, 26-A

Phone: (678) 466-4779

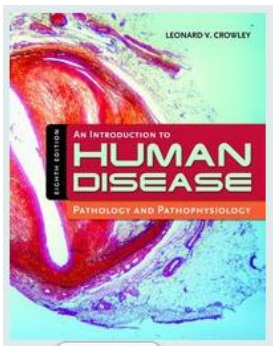
e-mail: JGardner@clayton.edu

Internet address: <http://a-s.clayton.edu/jgjohnson/default.html>

Office hours: Monday/Wednesday 9:00 am - 11:00 am & 1:00 pm - 2:00 pm

Textbook Information:

Required text:



To be successful in the course, the text must be obtained. The text is entitled “*An Introduction to Human Disease*”, ISBN13 978-0-7637-6591-0 by Leonard V. Crowley. The text may be purchased at the University Bookstore <http://auxiliaries.clayton.edu/bookstore.htm> or any other venue of your choice.

Evaluation:

Item	Percentage
3 Exams	70%
Assignments & Quizzes	30%
Total Percentage	100%

All quizzes will be returned the next class session and online assessments will show scores immediately. Exams will be returned within two class sessions. All grades will be kept with the Grade Book located within Georgia View.

Grading:

Your final **grade** will be determined as follows:

Grade	Percentage Range
A	90 - 100%
B	80 - 89%
C	70 - 79%
D	60 - 69%
F	below 60%

Learner Support Services:





All students are encouraged to visit *The Center for Academic Success* to reinforce your academic goals. Please visit their website at <http://adminservices.clayton.edu/cas/>




All students are encouraged to visit the HUB for technical support. Please visit *The Student Software Support Services* website at http://thehub.clayton.edu/index.php?nav=hub_services





J. Yvette Gardner, Ph.D.
 Fall Semester 2010
 Clayton Hall T220 (5:00 pm – 6:15 pm)









SCI 1901 D Human Health and Disease
 Course Schedule for CRN 88013




Week	Meeting Date	Delivery Format	Content	Assignments & Due Dates
One	Monday, August 16 th & Wednesday August 18 th 5:00 pm – 6:15 pm	 In Class Lecture	<ol style="list-style-type: none"> Orientation of the course Overview of the Syllabus Lecture on usage of Georgia View Roll/No Show Policy Learning Module #1 Lecture: Chapter 1 General Concepts of Disease addressing classification of diseases, terminology, diagnosis & treatment 	<ol style="list-style-type: none"> Chapter 1 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on August 18th Getting Started Assessment (submitted in Georgia View) due by 5 pm on August 18th Chapter 1.3 Tutorial: Chapter 1 Review Questions (not graded) print and bring to class on August 18th
Two	Monday, August 23 rd & Wednesday August 25 th 5:00 pm – 6:15 pm	 In Class Lecture	<ol style="list-style-type: none"> Learning Module #1 Lecture: Chapter 1 General Concepts of Disease (continued) Chapter 1.3 Tutorial: Chapter 1 Review Questions; discuss answers to handout 	<ol style="list-style-type: none"> Chapter 1.1 Assignment: General Concepts of Disease Cross-Word Puzzle print and turn in hardcopy in class by 5 pm on August 23rd Chapter 2 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on August 30th
Three	Monday, August 30 th & Wednesday September 1 st 5:00 pm – 6:15 pm	 In Class Lecture	<ol style="list-style-type: none"> Learning Module #2 Lecture: Chapter 2 Cells & Tissues covering parts of the cell, osmosis and diffusion, hypertonic and hypotonic solutions, and U-tube. Chapter 2.4 Tutorial: The Working Cell; discuss answers to handout 	<ol style="list-style-type: none"> Chapter 2.4 Assignment: Parts of the Cell Handout; print/complete and submit in class by 5 pm on September 1st
	Monday, September 6 th Gardner/Human Health & Disease	No In Class Lecture	Labor Day Holiday 	No Assignments Page 5

<p>Four</p>	<p>Wednesday September 8th 5:00 pm – 6:15 pm</p>	 <p>In Class Lecture</p>	<p>1. Learning Module #2 Lecture: Chapter 2 Cells & Tissues (continued) covering gene expression</p>	<p>1) Chapter 2.1 Assignment: Types of Tissues; print/complete and submit in class by 5 pm on September 13th</p> <p>2) Chapter 2.3 Assignment: Creation of the Cell project submitted in class by 5 pm on September 20th</p> <p>3) Chapter 3 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on September 13th</p>
<p>Five</p>	<p>Monday, September 13th & Wednesday, September 15th 5:00 pm – 6:15 pm</p>	 <p>In Class Lecture</p>	<p>1. Learning Module #3 Lecture: Chapter 3 Chromosomes, Genes & Cell Division covering mitosis and allelic combinations</p> <p>2. Chapter 3.4 Tutorial: Karyotypes</p>	<p>1. Chapter 3 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on September 13th</p> <p>2. Chapter 2.2 Assignment: Gene Expression Handout; print/complete and submit in class by 5 pm on September 15th</p>
<p>Six</p>	<p>Monday, September 20th & Wednesday, September 22nd 5:00 pm – 6:15 pm</p>	 <p>In Class Lecture</p>	<p>1. Learning Module #3 Lecture: Chapter 3 Chromosomes, Genes & Cell Division covering mitosis and allelic combinations</p> <p>2. Jeopardy reviewing material for Exam I</p> <p>3. General overview of Red Blood Cells (lecture)</p>	<p>1. Chapter 3.1 Assignment: Mendelian Genetics Handout; print/complete and submit in class by 5 pm on September 22nd</p> <p>2. Chapter 3.2 Assignment: Meiosis Handout; print/complete and submit in class by 5 pm on September 22nd</p> <p>3. Chapter 3.3 Assignment: Meiosis/Mitosis Video Questions; print/complete and submit in class by 5 pm on September 20th</p> <p>4. Chapter 14.1 Assignment: The Red Blood Cell PowerPoint Questions; print/complete and submit in class by 10am on September 27th</p> <p>5. Bring all questions for</p>

				<p>Exam I</p> <p>6. Purchase Scantron from bookstore for Exam I on September 28th</p>
Seven	Monday, September 27 th 5:00 pm – 6:15 pm	 <p>In Class Lecture</p>	1. Exam I (paper exam)	<p>1. Attend class for Exam I</p> <p>2. Bring Scantron</p> <p>3. Bring sharpened pencils to class</p> <p>4. Chapter 14 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on September 29th</p>
Seven	Wednesday, September 29 th 9:50 am – 11:05 am	 <p>In Class Lecture</p>	1. Learning Module #4 Lecture: Chapter 14 The Hematopoietic and Lymphatic Systems lecture covering parts of the blood and composition of blood cells.	1. Chapter 14 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on September 29th
Eight	Monday, October 4 th & Wednesday, October 6 th 5:00 pm – 6:15 pm	 <p>In Class Lecture</p>	1. Learning Module #4 Lecture: Chapter 14 The Hematopoietic and Lymphatic Systems lecture covering parts of the blood and composition of blood cells.	<p>1. Chapter 14.2 Assignment: The Hematopoietic System Cross-Word Puzzle; print and turn in hardcopy in class by 5 pm on October 4th</p> <p>2. Chapter 5 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on October 11th</p>
	Friday, October 8th		Last Day to Withdraw without Penalty, Friday October 8th	Friday, October 8th
Nine	Monday, October 11 th & Wednesday, October 13 th 5:00 pm – 6:15 pm	 <p>In Class Lecture</p>	1. Learning Module #5 Lecture: Chapter 5 Immunity, Hypersensitivity, allergy & Autoimmune Disease lecture covering T lymphocytes & B lymphocytes	<p>1. Chapter 5 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on October 11th</p> <p>2. Chapter 5.1 Assignment: Immunity, Hypersensitivity, Allergy, & Immunity Cross-Word Puzzle; print/complete and submit</p>

				in class by 5 pm on October 13th
Ten	Monday, October 18 th & Wednesday, October 20 th 5:00 pm – 6:15 pm	 In Class Lecture	1. Learning Module #6 Lecture: Chapter 13 The Cardiovascular System covering the parts of the heart	<ol style="list-style-type: none"> Chapter 13 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on October 18th Chapter 13.1 Assignment: Structure and Function of the heart; print/complete and submit in class by 5 pm on October 20th Chapter 13.2 Assignment: Case Scenarios; print/complete and submit in class by 5 pm on October 20th Chapter 13.3 Assignment: Cardiovascular Paper; complete and submit in class by 5 pm on November 8th
Eleven	Monday, October 25 th & Wednesday, October 27 th 5:00 pm – 6:15 pm	 In Class Lecture	<ol style="list-style-type: none"> Learning Module #6 Lecture: Chapter 13 The Cardiovascular System (continued) elaborating on the diseases of the heart Jeopardy reviewing material for Exam II 	<ol style="list-style-type: none"> Chapter 13.4 Assignment: Crossword Puzzle; print/complete and submit in class by 5 pm on October 25th Bring all questions for Exam II Purchase Scantron from bookstore for Exam II on November 1st
Twelve	Monday, November 1 st 5:00 pm – 6:15 pm	 In Class Lecture	1. Exam II (paper exam)	<ol style="list-style-type: none"> Attend class for Exam II Bring Scantron Bring sharpened pencils

Twelve	Wednesday November 3rd 5:00 pm – 6:15 pm	 In Class Lecture	1. Learning Module #8 Lecture: Chapter 8 Communicable Diseases explaining the types of diseases, spread of diseases and the details of common diseases.	<ol style="list-style-type: none"> 1. Complete Chapter 13.3 Assignment: Cardiovascular Paper; complete and submit in class by 5 pm on November 3rd 2. Chapter 8 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on November 3rd 3. Complete Chapter 8.2 Assignment: Manifestation of HIV; print/complete and submit in class by 5 pm on November 8th 4. Chapter 7 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on November 8th
Thirteen	Monday November 8th & Wednesday November 10th 5:00 pm – 6:15 pm	 In Class Lecture	<ol style="list-style-type: none"> 1. Learning Module #9 Lecture: Chapter 7 Animal Parasites that commonly affect the community 2. Chapter 8.5 Tutorial: Understanding HIV Part I & II 3. Chapter 8.6 Tutorial: Cures for HIV 	<ol style="list-style-type: none"> 1. Chapter 8.1 Assignment: Communicable Diseases Handout; print/complete and submit in class by 5 pm on November 10th 2. Chapter 8.3 Assignment: Retrovirus Reverse transcription Handout; print/complete and submit in class by 5 pm on November 10th 3. Chapter 8.4 Assignment: HIV Replication 3D Medical Animation Handout; print/complete and submit in class by 5 pm on November 10th 5. Chapter 7 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on November 8th
Fourteen	Monday November 15th & Wednesday November 17th 5:00 pm – 6:15 pm	 In Class Lecture	<ol style="list-style-type: none"> 1. Learning Module #10 Lecture: Chapter 20 The Male Reproductive System explaining the structure and function and related disorders 2. Chapter 20.2 	<ol style="list-style-type: none"> 1. Chapter 20 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on November 15th 2. Chapter 7.1 Assignment: Animal Parasite Handout; print/complete and submit in class by 5

			Tutorial: Penile Prosthesis	<p>pm on November 15th</p> <p>3. Chapter 20.1 Assignment: The Male Reproductive System Handout; print/complete and submit in class by 5 pm on November 22nd</p> <p>4. Chapter 17 Pre-Lecture Assessment (submitted in Georgia View) due by 5 pm on November 22nd</p>
Fifteen	Monday, November 22nd <i>5:00 pm – 6:15 pm</i>	 In Class Lecture	<p>1. Learning Module #10 Lecture: Chapter 17 The Female Reproductive System explaining the structure and function with related diseases</p>	No Assignment
Fifteen	Wednesday, November 24th <i>5:00 pm – 6:15 pm</i>	No Class	 Happy Thanksgiving!	No Assignment
Sixteen	Monday, November 29th & December 1st <i>5:00 pm – 6:15 pm</i>	 In Class Lecture	<p>1. Learning Module #10 Lecture: Chapter 17 The Female Reproductive System (continued)</p> <p>2. Jeopardy reviewing material for Exam III</p>	<p>1. Chapter 17.1 Assignment: The Female Reproductive System Handout; print/complete and submit in class by 5 pm on December 1st</p> <p>2. Bring all questions for Exam III</p> <p>3. Purchase Scantron from bookstore for Exam III on December 7th</p>
Finals	Monday, December 6th at 5:00 pm		Exam III	<p>1. Attend Class for Exam III</p> <p>2. Bring Scantron to class</p> <p>3. Bring sharpened pencils to class</p>

‡This lecture schedule and lecture testing is tentative and may change. Tests may be given the week before or the week after the week listed here--or during the week predicted. Specific test dates will be announced approximately one week in advance in class. In-Class quizzes are announced and not located on the Schedule.

Final Examination Schedule:

CRN	Instructor	Date of final exam	Time of Final Exam
88013	Dr. Gardner	Dec 6 th	5:00 pm

Course Policies:

University Attendance Policy [\[j1\]](#)

Students are expected to attend and participate in every class meeting. Instructors establish specific policies relating to absences in their courses and communicate these policies to the students through the course syllabi. Individual instructors, based upon the nature of the course, determine what effect excused and unexcused absences have in determining grades and upon students' ability to remain enrolled in their courses. The university reserves the right to determine that excessive absences, whether justified or not, are sufficient cause for institutional withdrawals or failing grade

Class Attendance Policy

Absences from EXAMS must also be accompanied by a signed (original) physician's or judge's excuse (**there are no exceptions**). Without an excuse provided within one week, a grade of zero points will be assigned for the missed assessment. If the student does have a valid excuse the last (or next) exam will be doubled to make up for the missed one. *You are only permitted one excused absence from class exams.* There are no make-up quizzes. Quizzes may be excused if accompanied with a valid excuse. The next quiz will count twice. You must take the final exam. If you should miss the final exam without a valid excuse, you will receive a zero. If you should have a valid excuse to take the final exam early, you must have written documentation from a valid authority and approved by me.

Attendance is expected for all class periods. Attendance is required for quiz and examination periods (see above). Any absence must be accompanied by a written excuse from a doctor or other competent authority (such as an emergency doctor's visit, incarceration, giving birth, surgery, court, sports/student leadership). Without an excuse, a grade of zero points will be assigned for the missed work. Late assignments must be turned in within the next class session of the due date and 25% will be deducted from the final assignment grade. Assignments may NOT be sent to me via email (examples of non-valid excuses: children are ill, work related travel, car problems, domestic violence, death not in immediate family, marriage, vacation, anniversary, birthday, routine doctor's visit, family reunion, etc).

Visitors (friends, children, etc.) are strictly prohibited from attending class without the permission of the instructor.

No smoking, eating or drinking is permitted at any time in the classroom.

Students may not play video games during lecture.

Students must abide by policies in the [Clayton State University Student Handbook](#), and the [Basic Undergraduate Student Responsibilities](#).

Any type of activity that is considered dishonest by reasonable standards may constitute academic misconduct. The most common forms of academic misconduct are cheating and plagiarism. All electronic devices are expected to be turned off. If any electronic device is operative during an assessment, the grade will result in a zero (unless taking a quiz on Georgia View). All instances of academic dishonesty will result in a grade of zero for the work involved. All instances of academic misconduct will be reported to the Office of Student Life/Judicial Affairs. Judicial procedures are described at <http://adminservices.clayton.edu/studentconduct>.

Disruptive Classroom Behavior¹

Disruptive behavior in the classroom can negatively affect the classroom environment as well as the educational experience for students enrolled in the course. Disruptive behavior is defined as any behaviors that hamper the ability of instructors to teach or students to learn. Common examples of disruptive behaviors include, but are not limited to:

- # Eating in class
- # Monopolizing classroom discussions
- # Failing to respect the rights of other students to express their viewpoints
- # Talking when the instructor or others are speaking
- # Constant questions or interruptions which interfere with the instructor's presentation
- # Overt inattentiveness (e.g., sleeping or reading the paper in class)
- # Creating excessive noise
- # Entering the class late or leaving early
- # Use of pagers or cell phones in the classroom
- # Inordinate or inappropriate demands for time or attention
- # Poor personal hygiene (e.g., noticeably offensive body odor)
- # Refusal to comply with faculty direction

Students exhibiting these types of behaviors can expect a warning from the instructor or dismissal for the lesson in which the behavior occurs. Failure to correct such behaviors can result in dismissal from the course.

More extreme examples of disruptive behavior include, but are not limited to:

- # Use of profanity or pejorative language
- # Intoxication
- # Verbal abuse of instructor or other students (e.g., taunting, badgering, intimidation)
- # Harassment of instructor or other students
- # Threats to harm oneself or others
- # Physical violence

Students exhibiting these more extreme examples of disruptive behavior may be dismissed from the lesson or the entire course.

Students dismissed from a lesson will leave the classroom immediately or may be subject to additional penalties. Dismissed students are responsible for any course material or assignments missed.

Students dismissed from a course have the right to appeal the dismissal to the department head responsible for the course. Appeals beyond the department head may also be pursued. If no appeal is made or the appeal is unsuccessful, the student will receive a grade of WF (withdrawal - failing) regardless of the current grade in the course.

Conditions attributed to physical or psychological disabilities are not considered as a legitimate excuse for disruptive behavior.

1 The description of disruptive behavior and listings of examples of disruptive behavior are taken from the Web sites of James Madison University, the University of Delaware and Virginia Tech.

Changes or additions to this syllabus, including reading, exam schedule, grading, and course policies can be made at the discretion of the instructor at any time.