

Syllabus

Biology 202 Section J10: Infectious Diseases, Human Health, and Ethics

Carolina Core Designation: SCI (Scientific Literacy) and VSR (Values, Ethics, and Social Responsibility)

3 Credit Hours

Instructor: Kristen Hogan, Ph.D.

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I. COURSE DESCRIPTION

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Academic Bulletin Description:

An introduction to pathogens including bacteria, viruses, and protozoans. Basic elements of the immune system coupled with discussion of how pathogens cause disease. This information is placed in the context of how scientific research leads to the discovery, treatment, and prevention of the disease. The ethical implications of each pathogen and its treatment strategies are discussed.

Full Course Description

The purpose of the course is to provide a basic overview of pathogens. This course connects several devastating diseases to the responsible pathogen and describes how this pathogen promotes disease. In this course, students will learn how these pathogens cause symptoms in patients and how the patient's immune system is involved. This course covers the historical aspect of these infectious diseases and how these pathogens have influenced human health throughout history. This course also covers how scientific breakthroughs have been discovered and how scientists and doctors have learned to treat and diminish these pathogens. This course analyzes the ethical consequences associated with each pathogen and its treatment strategies and seeks to understand how humans and modern medicine have been affected in the context of justice.

Corequisites

None

Prerequisites

None

II. LEARNING OUTCOMES

Upon successful completion of BIOL 202, students will be able to:

For a variety of pathogens:

1. **Identify the disease associated with the pathogen**
2. Explain how the pathogen causes disease, including route of infection and spread
3. Summarize the symptoms associated with the disease
4. Explain the response from the immune system
5. Discuss the discovery of this disease by doctors and scientists and the experiments leading to disease treatment or prevention.
6. State the location and time frame that each disease was prevalent
7. Discuss the ethical implications of this disease on human health and behaviors

8. Evaluate how this disease and treatment of this disease has impacted humans and modern medicine in the context of justice.

***All Learning Outcomes in this Distributed Learning course are equivalent to the face-to-face (F2F) version of this course.**

III. COURSE FORMAT

This course is an asynchronous online course. Students will work at different times from different locations and will NOT be required to attend any face-to-face or synchronous meetings at the same time. Online classes are not easier than traditional face-to-face lecture classes. To succeed in an online class, you must be extremely motivated and well organized. There will be regular required deadlines for submission of work. Additionally, this course uses Blackboard learning management system ([Blackboard Link](#)) for all instruction, access to course materials, quizzes, tests, class discussions, and submission of assignments. The course consists of online lectures, lab activities, videos, interactive websites, essays, reading assignments, and worksheets. Students will work at different times from different locations and will not be required to attend any face-to-face (F2F) or synchronous meetings at the same time. All exams and quizzes will be presented online in Assignments on Blackboard and will have due dates and deadlines listed in this syllabus. All discussion board posts and emails will be responded to within 24 hours, Monday through Friday. Feedback will be provided on all assignments within 48 hours, Monday through Friday. Other course materials (videos, animations, etc.) will be available via Blackboard (Bb). Reliable internet access is an essential requirement for the successful completion of the course.

The typical class structure will consist of learning modules, which include:

- Short Video/PowerPoint Lectures
- Readings Assignments from the textbook and posted to Blackboard (see chapter breakdown in course schedule)
- Documentary Videos
- Discussion Boards
- Disease Guides
- Exams

Online lecture slides will be provided through Microsoft PowerPoint and posted into Bb. Therefore, students must have access to the Internet to complete assignments for the course. Students can also use Blackboard for communication with other classmates and/or Instructor, accessing the Gradebook, etc.

This is an entirely Web-based course. We have no face-to-face class meetings, and you will complete your work asynchronously. You can log into the class to do your work at whatever time is convenient for you as long as you are meeting class assignment deadlines.

It is important to understand that this is not a self-paced class or an independent study. You will have assigned deadlines, and work must be submitted on time and will not be accepted late. You may not save up your assignments to complete in the last weeks or days of the semester. One critical part of this class is regular interaction with other students and with me, your instructor. Each assignment sequence must be completed on schedule. No late assignments or exams will be accepted.

Weekly Schedule

- All course deadlines are listed in Eastern Standard Time (EST). Blackboard will record all deadlines in this timezone. If you are in a different timezone, it is the student's responsibility to plan accordingly.
- Each week will begin on a Monday and will end on Sunday at 11:59PM.
- In order to complete all of the weekly assignments, you will spend about 7-8 hours (420-480 minutes) per week on the course material for a total of approximately 98-112 hours (5880-6720 minutes) of course-related activities using Blackboard, and readings of the lectures and texts. A list of weekly responsibilities/deadlines follows:
 - **Monday/Tuesday:** Read assigned text(s) for week. Watch online lectures.
 - **Wednesday-Friday 11:59PM:** Blackboard initial post(s).
 - **Saturday-Sunday 11:59PM:** Blackboard responses.
 - **Sunday by 11:59PM:** complete all remaining Assignments and/or Exams

IV: TECHNOLOGY

Technology Requirements

The PowerPoint lecture presentations, assignments, and exams are located on the Blackboard site for the course. To participate in learning activities and complete assignments, you will need:

- Access to a working computer that has a current operating system with updates installed, plus speakers or headphones to hear lecture presentations (transcripts will be provided)
- Reliable Internet access and a UofSC email account

- A current Internet browser that is compatible with Blackboard (Google Chrome is the recommended browser for Blackboard)
- Microsoft Word as your word processing program
- Reliable data storage for your work, such as a USB drive or Office365 OneDrive cloud storage.

**If your computer does not have Microsoft Word, the Office 365 ProPlus package is available to students free of charge and allows students to install Word, Excel, PowerPoint, Outlook, OneNote, Publisher, and Access on up to 5 PCs or Macs and Office apps on other mobile devices including tablets. Office 365 also includes unlimited cloud storage on OneDrive. To download Office 365 ProPlus, log into your student (University) email through a web browser, choose Settings (top right corner), and select software. If you have further questions or need help with the software, please contact the DoIT Service Desk (https://sc.edu/about/offices_and_divisions/division_of_information_technology/index.php).*

Minimal technical skills needed

Minimal technical skills are needed in this online course. All work in this course must be completed and submitted online through Bb. Therefore, students MUST have consistent and reliable access to a computer and the Internet. The minimal technical skills students should have include the ability to:

- Organize and save electronic files
- Use UofSC email and attached files
- Check email and Blackboard daily
- Download and upload documents
- Locate information with a browser
- Use Blackboard

Technical Support

Blackboard Help (<http://ondemand.blackboard.com/students.htm>):
If you have problems with your computer, please contact the Division of Information Technology (DoIT) Service Desk at (803) 777-1800. The DoIT Service Desk is open Monday – Friday from 8:00 AM – 6:00 PM (Eastern Standard Time). If you are located in the Columbia, SC area, the Thomas Cooper Library at UofSC has computers for you to use in case you encounter computer issues/problems. If you are not located in the Columbia, SC area, most regional campuses and public libraries have computers for public use.

Americans with Disabilities Act (ADA) Compliance

This course will meet University standards for ADA compliance. PowerPoint lectures include transcripts of corresponding slides. Any use of videos will be closed captioned. All posted documents will be processed for accessibility.

V. INSTRUCTIONAL MATERIALS

All readings/materials comply with copyright/fair use policies.

Course Materials: Required Textbook

- **Textbook: Hempel, Sandra. (2018). *The Atlas of Disease*. London: Quarto Knows. ISBN: 9781781317907**
- **Guidance and Basis for Making Judgements on Ethics <https://apps.who.int/iris/bitstream/handle/10665/250580/9789241549837-eng.pdf>**
- **Ethics and Infectious Disease <https://onlinelibrary.wiley.com/doi/full/10.1111/j.1467-8519.2005.00441.x?sid=nIm%3Apubmed>**
- **Justice and Guidance for the COVID-19 Pandemic <https://www.tandfonline.com/doi/full/10.1080/15265161.2020.1777354>**
- **Ethical Dilemmas in Protecting Individual Rights Versus Public Protection in the Case of Infectious Diseases <https://journals.sagepub.com/doi/pdf/10.4137/IDRT.S11205>**
- **Ethics and Vaccination https://journals.sagepub.com/doi/10.1080/14034940310018192?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed**
- **Tuskegee Syphilis Study of 1932 – 1973 and the Rise of Bioethics as Shown Through... - https://heinonline.org/HOL/Page?collection=journals&handle=hein:journals/dt47&id=84&men_tab=srchresults**
- **Lessons from HeLa Cells: The Ethics and Policy of Biospecimens <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5072843/>**

- **Aids: Ethics, Justice, and Social Policy** https://www.jstor.org/stable/24354254?seq=1#metadata_info_tab_contents
- **Ethical aspects of malaria control and research** <https://malarajournal.biomedcentral.com/articles/10.1186/s12936-015-1042-3>
- **How Stigma Distorts Justice: the Exile and Isolation of Leprosy Patients in Hawai'i** <https://malarajournal.biomedcentral.com/articles/10.1186/s12936-015-1042-3>

VI. COURSE POLICIES, ASSIGNMENTS, AND GRADING

Online Attendance Policy

In order to be counted "present" in this course, students will demonstrate their attendance by completing the following actions:

- 1) Completing and submitting the homework assignments associated with each chapter.

**Students who login to the class without actively participating in their assignments will not be considered as a "present" student.*

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Course Conduct

All students will be expected to demonstrate professionalism in the virtual classroom at all times. Keep your interactions with your classmates and with the instructor professional and respectful. The physical university classroom is a location where ideas can be expressed freely, and without judgement or criticism. The same amount of respect is to be expected in the virtual classroom as well. Keep your exchanges courteous and respectful, use appropriate language (proper "netiquette"), and restrain from attacks on others whose opinion may differ from yours.

Netiquette Rules:

- Treat one another with respect. It will be expected that we will not attack one another personally for holding different opinions.
- Do not use all CAPITAL LETTERS in emails or discussion board postings. This is considered "shouting" and is seen as impolite or aggressive.
- Begin emails with a proper salutation (Examples: Dr. Name; Ms. Name; Hello Professor Name; Good afternoon Mr. Name). Starting an email without a salutation or a simple "Hey" is not appropriate.
- When sending an email, please include a detailed subject line. Additionally, make sure you reference the course number (Ex. BIOL 202) in the message and sign the mail with your name.
- Use proper grammar, spelling, punctuation, and capitalization. Text messaging language is not acceptable.
- Use good taste when communicating. Profanity should be avoided.
- Re-Read, think, and edit your message before you click "Send/Submit/Post."

Please remember when posting to be respectful and courteous to your colleagues and limit your posts to discussions of this course and its assignments.

Course Communication

You are required to use your UofSC email account throughout this course. I will be communicating with you regarding grades and assignments. If you need to get in touch with me, the best method is via email. Generally, I will reply to emails within 24 hours if sent Monday-Thursday, and within 48 hours if sent Friday-Sunday. I will also provide feedback on assignments within 48 hours. Students may post questions pertaining to the course on the Blackboard Discussion Board. These questions will be answered within 24 hours.

If you are having trouble with this course or its material, you should contact me via email to discuss the issues.

Announcements will be posted to this course whenever necessary. If there is any other information I think is important, I will send it to your email address you have in Blackboard. **It is your responsibility to ensure that your email accounts work properly in order to receive mail*.**

*Please be sure that the email you check regularly is set in Blackboard:

- Click on the My UofSC tab along the top of the page in Blackboard
- In the Tools module, click on "Personal Information"
- Click on "Edit Personal Information"
- Scroll down to the listing for Email
- In the box will be listed what Blackboard has as your email address. If you wish to change it, delete the email address in the box and type in the email address you want to use.
- Click on the Submit button at the top or bottom of the page.

Missed or Late Assignments

Missed or late assignments, and/or exams will not be accepted under any circumstances. As with the traditional face-to-face (F2F) courses, students must plan accordingly, and complete all assignments before their deadline. **NO LATE ASSIGNMENTS WILL BE ACCEPTED!!! NO EXCEPTIONS!!!** "User Error" is not a justifiable excuse for missing any assignments, and it does not automatically excuse a student from an assignment. Completion of the assignments by the assigned due date will be the sole responsibility of the student. Any assignments that are not completed by the assigned due date will result in a grade of zero for the student. All assignments will be posted a week in advance of their due date to provide ample time for the student to complete the work.

You will be allowed to access the assignments an unlimited number of times until the due date/time and take **exams one time each on or before the due date/time** as indicated on the course calendar. If you are concerned about missing a deadline, you may want to do any of the following:

- Post your drafts online;
- Post your assignment the day before the deadline; or
- Begin exams as soon as they are made available online.

Grading

All grades will be posted for students in Blackboard. Students are strongly encouraged to check grades regularly, and to report any grading discrepancies or inconsistencies to the instructor immediately.

Academic Success

Successful online learners:

1. Do not procrastinate
2. Are open to sharing professional experiences online
3. Enhance online discussions
4. Have good written communication skills
5. Use proactive communication
6. Are self-motivated and self-disciplined
7. Have a commitment to learning
8. Have critical thinking and decision-making skills
9. Believe quality learning can take place in an online environment
10. Have good time management skills

All contact between students and the instructor will be via the email address you have in Blackboard. It is the responsibility of the student to ensure that email accounts work properly so that you can receive communications from classmates and the instructor.

Other resources and support services for students can found at the links below:

- [The Student Success Center \(http://www.sa.sc.edu/ssc/\)](http://www.sa.sc.edu/ssc/)
- [Blackboard Support \(http://uts.sc.edu/academic/blackboard/support.shtml\)](http://uts.sc.edu/academic/blackboard/support.shtml)
- [Technical Support from Division of Information Technology \(https://sc.edu/about/offices_and_divisions/division_of_information_technology/index.php\)](https://sc.edu/about/offices_and_divisions/division_of_information_technology/index.php) or call 803-777-1800

Time Commitment

In order to be successful in this course, it is recommended that students spend approximately 7.5 hours (450 minutes) per week on the course material for a total of approximately 105 hours (6300 minutes) of course-related activities using Blackboard, and readings of the lectures and texts. The course schedule is listed at the end of the syllabus. Please review this schedule to become aware of the topics that will be covered in this course, and the due dates of any assignments and exams.

Exams

All Exams will be completed using Respondus Lockdown Browser. Instructions for installing and using the Respondus software will be made available to the student on Blackboard. When taking the exam, your browser will be locked down so that you may not access any other websites, applications, etc. while taking the exam.

1. 1. Three Exams

There will be three exams with multiple choice and short answer questions that cover the course material and test the learning outcomes. Each exam will have 25 multiple choice questions (2 points each) and 5 short answer questions (5 points each) and will be worth a total of 75 points. Students that miss an exam will receive a 0 for that exam. **If you do not complete a Module (Unit) Exam within the stated time period, then a grade of zero will be recorded.**

1. 2. Final Exam

The final exam will be a cumulative exam that covers the course material and tests the learning outcomes. This exam will have 50 multiple choice questions worth 2 points each for a total of 100 points.

Homework/Assignments

1. 1. Reading Materials

Students are expected to read the materials assigned before it is covered in lecture. Reading materials will be from the required textbook and additional readings will be posted on blackboard.

1. 2. Disease Guides

Students are expected to complete a guide for every disease covered during the course (11 diseases total). The guides will be worth 5 points each and will be submitted to blackboard under the assignments tab. Guides will be due after the disease has been covered and will be due on the date that the class begins a new disease. For specifics, refer to the schedule below. The disease guides will be worth a total of 55 points throughout the semester.

1. 3. Group Project Disease Guide

Students will select a pathogen that has not been covered in the class and will complete a disease guide. Students will work in groups of 3 or 4 and share it to the discussion board. This assignment is designed for students to learn about a new pathogen and share what they have learned with the rest of the class. Students must cover the learning outcomes for their selected pathogen. Pathogens covered in the Group Project will be on the final exam. Group project disease guide will be worth 50 points.

Procedures for Taking Online Exams and Quizzes (Read Carefully)

You must follow all instructions as you take the quizzes and Module Exams. Once the quiz or exam has begun, you must not exit the quiz/exam for any reason. During a quiz or exam, if you try to do a web search, access another file, send an email, copy the screen or any other activity on your computer, the screen will lock, and you will not be allowed to continue. Beyond that, it is your responsibility to use a dependable computer with a dependable internet connection. **Unless there is a systemic failure of Blackboard, the instructor will not reset quizzes or exams.**

Attendance/Participation and Discussion Board Questions

1. Attendance/Participation

Listening to the online lectures is expected and required. At the end of each lecture, students must respond to a short response question to assess comprehension of materials covered. Aside from exams, there are 23 lectures throughout the semester. Students who watch each lecture and complete the short response question will earn 2.4 points per day towards their attendance/participation score (2.4 points x 23 classes = 55.2 points). Attendance/Participation will be worth 50 points. Students are allowed to miss up to two classes a semester without their grade being affected. Additional absences will result in a reduction in the attendance/participation score.

1. 2. Documentary Videos

As part of each module, students will be required to watch a documentary related to diseases or historical events. These will become available at the start of each module. Students may watch these documentaries via Blackboard; and will be given 1 week to watch the video. Information from these videos will be part of the examinations and discussion boards after covering a specific disease.

1. Discussion Board

Students will be required to participate in a weekly discussion board. These questions will address the injustice association with these diseases. Questions that may be asked are: From a medical and social standpoint, how were people with this disease treated unjustly? How has this unjust treatment shaped modern medicine or patient care? How did people perceive this disease as it emerged? How did a lack of knowledge affect human behavior?

Discussion board questions will be posted on Thursday by midnight. Students will have the next 5 days to respond to other students, ask additional questions, or post articles or information from the news media to help facilitate discussion with fellow classmates. The discussion board will close on Tuesday at midnight. Students may earn up to 10 points for each discussion board. There will be a total of 12 discussion boards throughout the semester (5 points x 10 discussion boards = 120 points). Students will be notified via email when the discussion board is open.

Grading

Exam 1: 75 points

Exam 2: 75 points

Exam 3: 75 points

Final Exam: 100 points

Group Project Disease Guide: 50 points

Disease Guides: 55 points

Attendance/Participation: 50 points

Discussion Board: 120 points

There are 600 total points available for the semester. Grades will be determined on the percentage of those points earned on the semester exams, final presentation, and attendance as follows: 90% > = A; 85-89.9% = B+; 80-84.9% = B; 75-79.9% = C+; 70-74.9% = C; 65-69.9% = D+; 60-64.5% = D; and 59% and below = F.

Points Earned	Grade Earned
540-600	A
510-539	B+
480-509	B
450-479	C+
420-449	C
390-419	D+
360-389	D
359 and below	F

Pass/Fail Option: (Must obtain proper approval from advisor and College Dean in order to participate in the Pass/Fail option. [Form AS-20](#) must be approved and processed before this option can be

chosen.) For students opting to complete this course as a Pass/Fail option, please refer to the [Pass/Fail Guidelines on the university's webpage](#). Under these guidelines, a grade of an "S" (Satisfactory) or "U" (Unsatisfactory) will be assigned to the student at the end of the course. In order to receive a grade of "S", students must earn at least 420 out of 500 points by the time of course completion. Any student earning ≤ 419 points will receive a grade of "U".

Due Dates for all graded course material

- All assignments and exams are due by 11:59PM (Eastern Standard Time) on the day indicated on the course schedule.

Academic Integrity

Assignments and examination work are expected to be the sole effort of the student submitting the work. Students are expected to follow the University of South Carolina Honor Code and should expect that every instance of a suspected violation will be reported. Students found responsible for violations of the Code will be subject to academic penalties under the Code in addition to whatever disciplinary sanctions are applied. Cheating on a test or copying someone else's work, will result in a zero for the work, an F in the course, and, in accordance with University policy, be referred to the Office of Academic Integrity and may result in expulsion from the University. All students in this course are expected to agree and abide by the code of ethics set forth in the university's [Honor Code](#) (<http://www.sc.edu/academicintegrity/honorcode.html>). It is expected that all students review the Office of Academic Integrity sanctions. This information may be found at <http://www.housing.sc.edu/academicintegrity/sanctions.html>. It is also suggested that students read the [Carolinian Creed](#) (<https://www.sa.sc.edu/creed/>) to understand what it means to uphold the integrity of a UofSC student.

There is a **Zero Tolerance Policy** for the following offenses:

- 1) Cheating
- 2) Plagiarism
- 3) Falsification of records
- 4) Accepting assistance from others in taking an exam or preparing a project
- 5) Giving assistance to others in taking an exam or preparing a project
- 6) Engaging in any other form of academic dishonesty (violations will be dealt with according to guidelines provided in the current student handbook, including a professional penalty of "F" for the course and mandatory reporting of the offense to the Office of Student Conduct)

Accommodating Disabilities

Reasonable accommodations are available for students with a documented disability. If you have a disability and may need accommodations to fully participate in this class, contact the Student Disability Resource Center: <http://www.sa.sc.edu.edu/sds>, 777-6142, TDD 777-6744, email sasds@mailbox.sc.edu, or stop by Close-Hipp Suite 102. **All accommodations must be approved through the Office of Student Disability Services.**

BIOL 202 Course Schedule

Module 1: Introduction Diseases and Ethics		
Topics:	Activities/Assignments:	Learning Outcomes Addressed/Learning Minutes:

Dates: 1/12 and 1/14 Introduction: Diseases and Ethics	Assigned Reading - Guidance and Basis for Making Judgements on Ethics Short Lecture Video/Response Ethics Documentary Discussion Board: What does ethics mean to you?	2 (L.M. 60) 2 (L.M. 60) 5-8 (L.M. 200) 7, 8 (L.M. 100)
Date: 1/19 What is Disease? Germ Theory	Assigned Reading Short Lecture Video/Response	2 (L.M. 60) 2 (L.M. 60)
Dates: 1/21 and 1/26 Ethics and Justice (theme)	Assigned Reading – Ethics and Infectious Disease Short Lecture Video/Response Discussion Board: What is one disease you would like to learn more about and why? (does not need to be in course schedule). What ethical dilemmas may be involved with that disease?	2 (L.M. 60) 2 (L.M. 60) (L.M. 100)
Dates: 1/28 and 2/2 Justice and Current Ethical Issues	Assigned Reading - Justice and Guidance for the COVID-19 Pandemic Short Lecture Video/Response COVID-19 and Justice Short Lecture Video/Response Hospitalization/Treatment/Prevention	2 (L.M. 60) 2, 4 (L.M. 60) 2, 4 (L.M. 60)
Date: 2/4	EXAM 1	1-8 (L.M. 150) Module 1 Total L.M. 1090
Module 2: Diseases with Vaccines and the Anti-Vaccine Movement		
Topics:	Activities/Assignments:	Learning Outcomes Addressed/Learning Minutes:
Dates: 2/9 and 2/11 and 2/16 Measles, Mumps and Rubella	Assigned Reading – MMR Disease Introduction Short Lecture Video/Response Measles Short Lecture Video/Response Mumps Short Lecture Video/Response Rubella Disease Guide Measles Disease Guide Mumps Disease Guide Rubella Discussion Board: How were people with one of these diseases treated unjustly?	1, 2, 3, 4 (L.M. 60) 1, 2, 3, 4, (L.M 60) 1, 2, 3, 4, (L.M 60) 1, 2, 3, 4, (L.M 60) 1, 2, 3, 4, (L.M 60) 1, 2, 3, 4, 5, 6 (L.M. 60) 1, 2, 3, 4, 5, 6 (L.M. 60) 1, 2, 3, 4, 5, 6 (L.M. 60) 5, 6, 7, 8 (L.M 100)
Date: 2/18 MMR Vaccine and Ethics: Anti-Vaccine Movement	Assigned Reading- Ethical Dilemmas in Protecting Individual Rights Versus Public Protection in the Case of Infectious Diseases Short Lecture Video/Response Discussion Board: How has the anti-vaccine movement impacted our society with respect to these diseases?	1, 2, 3, 4 (L.M. 60) 5, 6, 7, 8 (L.M 60) 7, 8 (L.M 100)
Dates: 2/23 and 2/25 and 3/2 Diphtheria, Tetanus, and Pertussis	Assigned Reading Short Lecture Video/Response Diphtheria Short Lecture Video/Response Tetanus Short Lecture Video/Response Pertussis Disease Guide Diphtheria Disease Guide Tetanus Disease Guide Pertussis Discussion Board: How did people perceive one of these diseases as it emerged?	1, 2, 3, 4 (L.M. 60) 1, 2, 3, 4 (L.M 60) 1, 2, 3, 4 (L.M 60) 1, 2, 3, 4 (L.M 60) 1, 2, 3, 4 (L.M 60) 1, 2, 3, 4, 5, 6 (L.M. 60) 1, 2, 3, 4, 5, 6 (L.M. 60) 1, 2, 3, 4, 5, 6 (L.M. 60) 5, 6, 7, 8 (L.M 100)

Date: 3/4 TDAP Vaccine and Ethics: Anti-Vaccine Movement	Assigned Reading – Ethics and Vaccination Short Lecture Video/Response Anti-Vaccine Movement Documentary Discussion Board: How has the anti-vaccine movement impacted our society with respect to these diseases?	1, 2, 3, 4 (L.M. 60) 5, 6, 7, 8 (L.M 60) 5-8 (L.M. 200) 7, 8 (L.M 100)
Date: 3/9	EXAM 2	1-8 (L.M. 150) Module 2 Total L.M. 1830
Module 3: Historical Medical Malpractice Events		
Topics:	Activities/Assignments:	Learning Outcomes Addressed/Learning Minutes:
Dates: 3/11 and 3/16 Syphilis and the Tuskegee Experiment	Assigned Reading- Tuskegee Syphilis Study of 1932 – 1973 and the Rise of Bioethics as Shown Through... Short Lecture Video/Response Syphilis Short Lecture Video/Response Tuskegee Experiment Tuskegee Experiment Documentary Disease Guide Syphilis Discussion Board: How has unjust human treatment shaped modern medicine, research, and patient care?	1, 2, 3, 4 (L.M. 60) 1, 2, 3, 4 (L.M 60) 5, 6, 7 (L.M 60) 5-8 (L.M. 200) 1, 2, 3, 4, 5, 6 (L.M. 60) 7, 8 (L.M 100)
Dates: 3/21 and 3/23 Human Papilloma Virus and HeLa Cells	Assigned Reading – Lessons from HeLa Cells: The Ethics and Policy of Biospecimens Short Lecture Video/Response Human Papilloma Virus Short Lecture Video/Response Henrietta Lacks Henrietta Lacks Documentary Disease Guide Human Papilloma Virus Discussion Board: How has unjust human treatment shaped modern medicine, research and patient care?	1, 2, 3, 4 (L.M. 60) 1,2, 3, 4 (L.M 60) 5, 6, 7 (L.M 60) 5-8 (L.M. 200) 1, 2, 3, 4, 5, 6 (L.M. 60) 7, 8 (L.M 100)
Date: 3/25	EXAM 3	1-8 (L.M. 150) Module 3 Total L.M. 1,230
Module 4: Diseases with Unique Ethical Consequences: Exposure and Discrimination		
Topics:	Activities/Assignments:	Learning Outcomes Addressed/Learning Minutes:
Dates: 3/30 and 4/1 HIV/AIDS and Discrimination	Assigned Reading – Aids: Ethics, Justice, and Social Policy Short Lecture Video/Response HIV Short Lecture Video/Response AIDS Short Lecture Video/Response HIV/AIDS and Discrimination HIV/AIDS Documentary Disease Guide HIV/AIDS Discussion Board: How did lack of knowledge about HIV/AIDS affect human behavior?	1, 2, 3, 4 (L.M. 60) 1, 2, 3, 4 (L.M 60) 1, 2, 3, 4 (L.M 60) 5, 6 (L.M 60) 5-8 (L.M. 200) 1, 2, 3, 4, 5, 6 (L.M. 60) 7, 8 (L.M 100)
Dates: 4/6 and 4/8 Malaria and DDT Exposure	Assigned Reading – Ethical aspects of malaria control and research Short Lecture Video/Response Malaria Short Lecture Video/Response DDT Exposure Malaria Documentary	1, 2, 3, 4 (L.M. 60) 1, 2, 3, 4 (L.M 60) 5, 6 (L.M 60)

	Disease Guide Malaria Discussion Board: What were the consequences of Malaria disease prevention using DDT?	5-8 (L.M. 200) 1, 2, 3, 4, 5, 6 (L.M. 60) 7, 8 (L.M 100)
Dates: 4/13 and 4/15 Leprosy and Discrimination	Assigned Reading – How Stigma Distorts Justice: the Exile and Isolation of Leprosy Patients in Hawai'i Short Lecture Video/Response Leprosy Short Lecture Video/Response Leprosy and Discrimination Leprosy Documentary Disease Guide Leprosy Discussion Board: How were people with this disease treated unjustly?	1, 2, 3, 4 (L.M. 60) 1, 2, 3, 4 (L.M 60) 5, 6 (L.M 60) 5-8 (L.M. 200) 1, 2, 3, 4, 5, 6 (L.M. 60) 7, 8 (L.M 100)
Date: 4/20	EXAM 4 (FINAL)	1-8 (L.M. 150) Module 4 Total L.M. 1830
	Group Project Disease Guide	1-8 (L.M. 400)
	Grand Total L.M. Modules 1-4 + Group Project	6,380

Schedule Modifications: *Although every attempt will be made to adhere to the schedule and procedures presented in this syllabus, the instructor reserves the right to make changes in the course as deemed necessary.*