

University of Florida
College of Public Health & Health Professions Syllabus
PHC 6002: Epidemiology of Infectious Disease
Section: 8680
Summer: 2018

Delivery Format: Classroom
Course: <http://lss.at.ufl.edu>

Instructor Name: Jerne Shapiro, MPH
Email Address: shapiroj@ufl.edu
Office Hours: By appointment

Preferred Course Communications: You have email on the course site under the "Inbox" tool. This is how I will contact you if necessary. You can adjust the settings to have all course mail forwarded to your regular email account so that you don't miss anything or forget to check. If you have questions please contact me using shapiroj@ufl.edu. If you are having problems and cannot use the course Inbox option, you may email me directly.

Prerequisites:

PHC 6001 Principles of Epidemiology and PHC 6050 Statistical Methods for Health Science 1 (or its equivalent)

PURPOSE AND OUTCOME

Course Overview

This is an intermediate level course, which will introduce the student to the unique aspects of infectious diseases and epidemiological methods used in their study, prevention and control. The student will gain knowledge through lectures, case studies, outbreak investigations, readings, exercises, and an individual project. The course covers: sexually transmitted diseases, vector-borne diseases, zoonotic diseases, tuberculosis, diarrheal diseases, hepatitis, HIV, food-borne diseases, hospital transmission and control, and emerging and re-emerging pathogens.

Relation to Program Outcomes

This course reinforces the following competencies:

1. Identify and understand the historical context of epidemiology, epidemiologic terminology, study designs and methodology
2. Identify key sources of epidemiologic data and data collection methodology.
3. Demonstrate the ability to analyze and interpret epidemiologic data
4. Explain and communicate current epidemiologic and public health problems for informing scientific, ethical, economic and political discussions of health problems

Course Objectives and/or Goals

1. Describe the historical impact of infectious disease on society.
2. Understand the modes of transmission and pathogenesis of infectious disease and the host, organism and environment relationship as they apply to infectious disease epidemiology.
3. Be familiar with the usual approaches to an outbreak investigation.
4. Know strategies for diagnosis, prevention, and control of infectious agents.
5. Understand the application of epidemiological methods to the study of infectious disease and their importance in the prevention of morbidity and mortality.

6. Become familiar with selected infectious diseases, with knowledge of the nature, agent, and route of contagion of each disease.

Instructional Methods

- 1) Lectures: are for general orientation. Students are responsible for all the material presented in the course and assigned readings.
- 2) Readings and Resources. In addition to the required text, supplementary readings and resources will be posted in the course. The reading list may be supplemented during the course.
- 3) Assessments: A variety of assessments will be used in this course, including but not limited to discussions, assignments, and exams.

What is expected of you?

You are expected to actively engage in the course throughout the semester. Your participation fosters a rich course experience for you and your peers that facilitates overall mastery of the course objectives.

Course Materials and Technology

1. **Lectures** – provide a general overview of each topic.

2. **Required Text, readings, and materials**

- A. Heymann, David, MD. *Control of Communicable Diseases Manual*, 20th Edition. Washington DC: American Public Health Association, 2014. It is also available with a mobile and web application. Refer to <http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-0185&CATEGORY=BK> for more information on the web application.
- B. Supplemental readings will also be assigned for lectures and are posted by topic under the course schedule.

3. **Additional resources** (You should sign up for the following by (Thursday, May 17th)

- A. Infectious Disease list serve. Pro-med: <http://ww4.isid.org/promedmail/subscribe.php> Complete the requested information and click on the subscribe link. (HINT: sign up only for the “Pro Med Digest A consolation of Posts” only)
- B. Morbidity and Mortality Weekly Report: <http://www.cdc.gov/mmwr/mmwrsubscribe.html>
- C. (Optional) Emerging Infectious Diseases. To subscribe to the Emerging Infectious Diseases e-mail list, go to <http://wwwnc.cdc.gov/eid/subscriptions> click on the subscribe button. Choose the electronic version of the publication. You will also be asked if you would like to receive other information from the CDC, choose what feels appropriate to your interests.
- D. (Optional) Desowitz, Robert. *New Guinea Tapeworms and Jewish Grandmothers: Tales of Parasites and People*. New York: W.W. Norton & Co., 1987.
- E. (Optional) *Contagion*. Directed by Steven Soderberg. Warner Brothers, 2011.

4. **Examinations:** Students are expected to take the examinations on the scheduled date and time. There is a midterm (25%) and a final (25%).

5. **Class Briefing:** Five percent of your class grade will come from briefing (three minutes) the class of a timely topic in the world of infectious diseases. Items may be obtained from any of the “additional resources” listed in the syllabus or any other reputable source you choose. Include a brief description of the disease and mode of transmission (obtain your information from your *Control of Communicable Disease Manual*).

6. **Class exercises:** There will be a total of two class exercises due.

One exercise is worth 5% of your course grade and the second is worth 10% (total 15%). See more information, and due dates via the Assignment tool in the left hand menu of the course site.

7. **Final Project-** Please read the detailed description for the project posted on the course website in the Assignments tool on the left hand menu. This is an individual assignment, but each person will need to pick a partner to review/proofread your project. The paper portion of the project is due prior to the presentation date. Only submit your final paper to be graded.

For technical support for this class, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

ACADEMIC REQUIREMENTS AND GRADING

Grading

Requirement	Due date	Points or % of final grade (% must sum to 100%)
Class Briefing	By June 12 th	5%
Class Participation		10%
Midterm Exam	May 31	20%
Exercises	May 21 and June 4	15%
Final Project	Paper: June 7, Presentations: (6/14, 6/18, 6/19)	25%
Final Exam	June 21	25%

Point system used (i.e., how do course points translate into letter grades).

Points earned	93 - 100	90 - 92	87 - 89	83 - 86	80 - 82	77 - 79	73 - 76	70 - 72	67 - 69	63 - 66	60 - 62	Below 60
Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E

Please be aware that a C- is not an acceptable grade for graduate students. In addition, a grade of C counts toward a graduate degree only if an equal number of credits in courses numbered 5000 or higher have been earned with an A.

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E	WF	I	NG	S-U
Grade Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0	0.0	0.0	0.0	0.0

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations at:

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Policy Related to Make up Exams or Other Work:

Requirements: Students are responsible for all course material, including reading all required materials prior to each lecture. Students should also read your e-mail and announcements in the course several times a week. Please note that announcements and emails sent out from the course site will go to your UFL email address (versus your Google, Yahoo, etc.), please check this mail at <http://webmail.ufl.edu> regularly also. Students should also reference the calendar in the course to keep up with weekly deadlines.

Make Ups: If you are unable to meet a deadline in this course for a reason approved above and have given prior notification to the instructor when possible, you will be given adequate time to make up any coursework missed. All other missed or late work will receive a grade of zero. Make-up exams will be provided only in cases of excused absences or conflict during final exams per University policy and **MUST** be discussed with the instructor in advance. Make-up exams will differ from the regularly scheduled exam.

Readings and Discussions: Students should read the assigned readings prior course lectures and be prepared to discuss the material.

Policy Related to Required Class Attendance

Attendance Policy: Per the University of Florida, students are responsible for satisfying all academic objectives as defined by the instructor. Acceptable reasons for absence include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligation, severe weather conditions, religious holidays and participation in official University activities such as music performances, athletic competition or debate. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) must be excused. Remember that, when possible (i.e. extracurricular activities, official University activities, and religious holidays), **prior notification** of absence is required if the student plans to be given an extension on assignments

All faculty are bound by the UF policy for excused absences. For information regarding the UF Attendance Policy see the Registrar website for additional details:
<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT**Expectations Regarding Course Behavior****Communication Guidelines**

Preferred Course Communications: If you have questions please contact me using the shapiroj@ufl.edu email option.

Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will

not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>
<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Online Faculty Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

SUPPORT SERVICES

Accommodations for Students with Disabilities

If you require classroom accommodation because of a disability, you must register with the Dean of Students Office <http://www.dso.ufl.edu> within the first week of class. The Dean of Students Office will provide documentation of accommodations to you, which you then give to me as the instructor of the course to receive accommodations. Please make sure you provide this letter to me by the end of the second week of the course. The College is committed to providing reasonable accommodations to assist students in their coursework.



U Matter, We Care

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Counseling and Student Health

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.
- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The Student Health Care Center at Shand's is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shand's offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>
- Crisis intervention is always available 24/7 from:

Alachua County Crisis Center

(352) 264-6789

<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

Inclusive Learning Environment

Public health and health professions are based on the belief in human dignity and on respect for the individual. As we share our personal beliefs inside or outside of the classroom, it is always with the understanding that we value and respect diversity of background, experience, and opinion, where every individual feels valued. We believe in, and promote, openness and tolerance of differences in ethnicity and culture, and we respect differing personal, spiritual, religious and political values. We further believe that celebrating such diversity enriches the quality of the educational experiences we provide our students and enhances our own personal and professional relationships. We embrace The University of Florida's Non-Discrimination Policy, which reads, "The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans' Readjustment Assistance Act." If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see your instructor or refer to the Office of Multicultural & Diversity Affairs website: www.multicultural.ufl.edu