

**PHC 6002: Infectious Disease Epidemiology**  
**Summer A, 2008**

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Classroom: G103  
Tuesday, Thursday, and Friday 1:00 to 3:30  
Prerequisite: PHC 6001 Principles of Epidemiology  
Office hours by appointment only.

**Course Overview**

This is an intermediate level course, which will introduce the student to the unique aspects of infectious disease and epidemiological methods used in their study, prevention and control. The student will gain knowledge through lectures, case studies, simulated outbreaks, exercises and an individual project.

**Course Objectives**

1. Understand 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. Understand the usual approaches to an outbreak investigation.
4. Understand 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 prevention of morbidity.
6. Become familiar with selected infectious diseases, with knowledge of the nature, agent and route of contagion of each disease.

**Required Text**

Heymann, David, MD. Control of Communicable Diseases Manual, 18<sup>th</sup> Edition. Washington DC: American Public Health Association, 2004.

**Additional resources (You should sign up for the following by Thursday May 15th)**

1. Infectious Disease list serve. Pro-med: [www.promedmail.com](http://www.promedmail.com) (HINT: sign up only for the “Pro Med Digest A consolation of all postings” only)
2. Morbidity and Mortality Weekly Report: <http://www.cdc.gov/mmwr/mmwrsubscribe.html>
3. (Optional) Emerging Infectious Diseases. To subscribe to the Emerging Infectious Diseases e-mail list, send an email to [listserv@cdc.gov](mailto:listserv@cdc.gov) with the following in the body of your message: **subscribe eid-toc**. The list server will mail you a confirmation request, to which you must add "ok" in the body and return.
4. (Optional) Desowitz, Robert. New Guinea Tapeworms and Jewish Grandmothers: Tales of Parasites and People. New York: W.W. Norton & Co., 1987.

**Class website:**

Lecture notes, readings, instructor contacts, and course schedule are available on the website.

This course will utilize WebCT Vista, which is accessible at <http://lss.at.ufl.edu/services/webct/> or through [my.ufl.edu](http://my.ufl.edu). You must have a valid Gatorlink ID and password. Components of the site require Java and pop-up windows (you will have to allow these when using Vista). For assistance, call the UF Help Desk at 352-392-HELP

**Grading Method**

May 29<sup>th</sup> – Mid Term Exam (30%)

June 13<sup>th</sup> & 17<sup>th</sup> – Student Projects (20%) (Papers will be due the prior class to allow time for review prior to your presentation)

June 20<sup>th</sup> – Final Exam (35%)

Class preparation and participation will constitute the remaining 15% of the final grade.

- 5% of participation will come from briefing (3 mins) the class of a timely topic in the dreaded 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*).

**Grading:** The grading scale for this course consists of the standard scale below:

90% - 100% = A	70% - 74.9% = C
85% - 89.9% = B+	65% - 69.9% = D+
80% - 84.9% = B	60% - 64.9% = D
75% - 79.9% = C+	Below 60.9% = F

**Attendance Policy:** Per the University of Florida, students are responsible for satisfying all academic objectives as defined by the instructor. Acceptable reasons for absence from class 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 or be excused from class. Attendance will be taken randomly throughout the semester and contribute to your grade in the course.

**Make-up Exams and Work:** If you are absent 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 (more than three final exams scheduled on one day or two exams scheduled at the same time) and **MUST** be discussed with the instructor in advance. Make-up exams will differ from the regularly scheduled exam. Finally, students should read the assigned readings prior to the class meetings, and be prepared to discuss the material except for the first class session.

**University Honor Code:** *We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.* On all work submitted for credit by students at the University, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."* Plagiarism and cheating are serious offenses and will be dealt with as such; any student found cheating on coursework or exams will receive a failing grade on the assignment and potentially in the course, and be routed through the appropriate judicial process.

**Classroom Etiquette:** Turn off all cell phones, pagers, alarms, etc. upon entering the classroom. Please also make every attempt to arrive to class on time. I hope to engage the class in discussions and encourage you to ask questions of the instructor and any guest lecturers, but please keep side conversations to a minimum. Also, please refrain from packing up your materials until class is dismissed. Cell phones are not allowed during exams. If any student is seen using or looking at a cell phone, he/she will receive a grade of zero on the exam. If you are expecting an emergency call, please notify one of the instructors before class and we will hold your phone for you. Additionally, the use of laptops during class is prohibited (except for use during the beginning briefings and open discussion times).

**Accommodations for Students with Disabilities:** Support services for students with disabilities are coordinated by the [Disability Resource Center](#) in the Dean of Students Office. All support services provided for University of Florida students are individualized to meet the needs of students with disabilities. To obtain individual support services, each student must meet with one of the support coordinators in the Disability Resources Program and collaboratively develop appropriate support strategies. Appropriate documentation regarding the student's disability is necessary to obtain any reasonable accommodation or support service.

**University Counseling and Mental Health Services:**

University Counseling Services: P301 Peabody Hall, 392-1575

<http://www.counsel.ufl.edu/services.asp>

Student Mental Health Services: Student Health Care Center Room 245, 392-1171

<http://www.health.ufl.edu/shcc>

## Infectious Disease Epidemiology Course Schedule

Lecture Subject	Lecturer	Guest Lecturer	Date	Time
1. Intro/History of ID/Outbreak Invest.	Shapiro		May 13 (Tuesday)	1:00 – 3:30
2. Vaccine Preventable Diseases	Shapiro		May 15 (Thus)	1:00 – 3:30
3. Class Exercise	Shapiro		May 16 (Fri)	1:00 – 3:30
4. Hospital Infection Control		Laura Netardus	May 20 (Tues)	1:00 – 3:30
5. Zoonotic Diseases	Shapiro		May 22 (Thus)	1:00 – 3:30
6. Surveillance		David Atrubin	May 23 (Fri)	1:00 – 3:30
7. Complete lectures	Shapiro		May 27 (Tues)	1:00 – 3:30
8. Midterm	Shapiro		May 29 (Thus)	1:00 – 3:30
9. Diarrhea Illness/Exercise	Shapiro		May 30 (Fri)	1:00 – 3:30
10. Vector Bone and Parasitic Diseases	Shapiro		June 3 (Tues)	1:00 – 3:30
11. Emerging Infectious Diseases		Lennox Archibald	June 5 (Thus)	1:00 – 3:30
12. STI and HIV/AIDS	Shapiro		June 6 (Fri)	1:00 – 3:30
13. Molecular Epidemiology/Exercise		Robyn Kay	June 10 (Tues)	1:00 – 3:30
14. Influenza	Shapiro		June 12 (Thus)	1:00 – 3:30
15. Presentations	Shapiro		June 13 (Fri)	1:00 – 3:30
16. Presentations	Shapiro		June 17 (Tues)	1:00 – 3:30
17. Tuberculosis		Michael Lauzardo	June 19 (Thus)	1:00 – 3:30
17. Final Exam	Shapiro		June 20 (Fri)	1:00 – 3:30