

**PHC 6002: Infectious Disease Epidemiology  
Summer A, 2006**

Jerne Shapiro, MPH  
[Jerne\\_Shapiro@doh.state.fl.us](mailto:Jerne_Shapiro@doh.state.fl.us)  
(352) 334-8827

TA: Erin DeFries, MPH (DG-76)  
[edefries@ufl.edu](mailto:edefries@ufl.edu)  
(352) 273-5279

Classroom: HPNP G103  
Mon and Wed 6pm-9pm, Thurs 6pm-8pm  
Prerequisite: PHC 6001 Principles of Epidemiology  
Office hours by appointment only for Jerne and Erin.

**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**

1. Infectious Disease list serve. Pro-med: [www.promedmail.com](http://www.promedmail.com)
2. Food borne disease list serve. To subscribe to the html version of FSnet, send mail to: [listserv@listserv.uoguelph.ca](mailto:listserv@listserv.uoguelph.ca). Leave subject line blank. In the body of the message type: subscribe fsnet-L firstname lastname, i.e. subscribe fsnet-L Doug Powell (replace fsnet-L with fsnettext to subscribe to the text version).
3. Morbidity and Mortality Weekly Report: <http://www.cdc.gov/mmwr/mmwrsubscribe.html>
4. (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.

5. (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.

<http://www.phhp.ufl.edu/courses/phc6002/>

Username: PHC6002

Password: kuru2006

**Important Dates (Components of final grade):**

June 5<sup>th</sup> – Mid Term Exam (20%)

June 8<sup>th</sup> & 15<sup>th</sup> – Student Projects (30%) (Papers will be due the prior class to allow time for review prior to presentation)

June 21<sup>st</sup> – Final Exam (30%)

Class preparation and participation will constitute the remaining 20% of the final grade.

- 5% of participation will come from either attending the Blood Bank Lab tour on 6/6/06 at 8:30am or attending Sarah McKunes presentation on her work in Niger on 6/8/06 at 4:30pm in room G103.
- Another 5% of participation will come from briefing (3mins) 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 transmission (obtain your info from your *Control of Communicable Disease Manual*).

**Class Attendance:**

Class attendance will be reflected in your participation grade. Excused absences follow the criteria of the UFL Graduate Catalogue (e.g., illness, serious family emergency, military obligations, religious holidays), and should be communicated to the instructor prior to the missed class day when possible. UFL rules require attendance during the first two course sessions, and students also must attend all course sessions of student presentations for this class.

Regardless of attendance, students are responsible for all material presented in class and meeting the scheduled due dates for class assignments. 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.

## Infectious Disease Epidemiology Course Schedule

Lecture Subject	Lecturer	Guest Lecturer	Date	Time
1. Intro/History of ID/Outbreak Invest.	Shapiro		May 15 (Monday)	6:00 – 9:00
2. Surveillance		David Atrubin	May 17 (Wed)	6:00 – 9:00
3. Class exercise	Shapiro		May 18 (Thus)	6:00 – 8:00
4. Blood and Body Fluid Transmission	Shapiro	Vincent	May 22 (Mon)	6:00 – 9:00
5. Zoonotic Diseases		Paul Gibbs	May 24 (Wed)	6:00 – 9:00
6. Vaccine Preventable Diseases	Shapiro		May 25 (Thursday)	6:00 – 8:00
7. No class- Memorial Day			May 29 (Mon)	
8. Respiratory Diseases		Michael Lauzardo	May 31 (Wed)	6:00 – 9:00
9. Emerging Infectious Diseases		Lennox Archibald	June 1 (Thus)	6:00 - 8:00
10. Midterm			June 5 (Monday)	6:00 – 9:00
**Life South Blood Bank Tour at 9:00am at the Blood Bank Lab on N. University Ave.*			June 6 (Tues)	9:00am
11. Hospital Infection Control		Laura Netardus	June 7 (Wed)	6:00 – 9:00
12. Presentations	Shapiro		June 8 (Thus)	6:00 – 8:00
13. Molecular Epidemiology			June 12 (Monday)	6:00 – 9:00
14. Vector Borne and Parasitic Diseases	Shapiro	Dana Fock	June 14 (Wed)	6:00 – 9:00
15. Presentations	Shapiro		June 15 (Thus)	6:00 – 8:00
**Sarah Mckune's Presentation on Niger will at 4:30pm in G103**				
16. Diarrhea Illness	Shapiro		June 19 (Mon)	6:00 – 9:00
17. Final Exam	Shapiro		June 21 (Wed)	6:00 – 9:00

