

Syllabus
Infectious Disease Prevention Strategies
PHC 6517-310, 391, 350, 510
Semester: Spring 2008

Dates:	January 7, 2008 through May 2, 2008
Location:	Blackboard: http://my.usf.edu > PHC6517.allS08
Credit Hours:	3
Pre-Requisites:	Consent of Instructor
Course/Delivery Format:	<p>The course will be administered entirely on-line using the following educational methods: lecture via PowerPoint with lecture notes, narration, or both in some cases; use of videos; individual exercises; computer-aided on-line activities; on-line assignments, and on-line exams.</p> <p>Course materials and assignments will be posted in the Blackboard course website. Topics will be divided into weekly units, designated by folders, in Blackboard. Lecture notes and required readings will be posted no later than 9 PM of the Thursday night of the week before the first class. After that, the materials for the upcoming 14-day period will be made available by Thursday at 9 PM two weeks ahead of each weekly unit.</p>
Required Materials:	<p>Required Text:</p> <p><i>The following text is required is for this course, the Communicable Disease tract at COPH and the Infection Control Certificate:</i></p> <p><u>Control of Communicable Diseases Manual</u> by David L. Heymann, 18th edition (December 30, 2004). This is an invaluable reference text for communicable diseases. Available in paperback and hardcover. ISBN# soft cover: ISBN 0-87553-034-6 and ISBN # hard cover: ISBN 0-87553-035-4 Cost ranges \$30-40.</p>

Course Content and Delivery

Purpose:	This is one of the four required courses for the Graduate Certificate in Infection Control. It is also an elective course in the Global Health Communicable Diseases Track.
Course Description:	This course focuses on primary, secondary and tertiary strategies to prevent infectious diseases, with an emphasis on hospital infection control. These strategies include outbreak control measures; isolation/precautions in healthcare facilities; cleaning, disinfection, antisepsis and sterilization; role of immunization, antimicrobial prophylaxis and therapy; patient care practices to prevent infections; pandemic influenza; and prevention of foodborne illness. In addition, the epidemiology and control of numerous infectious diseases with global public health implications are discussed.

Objectives:

Upon completion of this course, the student will be able to:

1. Identify appropriate primary, secondary, and tertiary infectious disease prevention strategies based on transmission of pathogens and infection control principles.
2. List lessons learned from the influenza pandemic of 1918 and from historical uses of biological warfare that can be applied to current public health infection control practice for pandemic influenza.
3. List and define the categories of Isolation/Precautions used in healthcare facilities.
4. Describe immunization strategies for healthcare workers, patients, and the general public.
5. List post-exposure prophylaxis and work restriction guidelines for infectious disease exposures in the healthcare setting. Evaluate these guidelines when given a case example.
6. Evaluate cleaning, sterilization, and disinfection methods available to health care facilities
7. Describe and critique recommended hand hygiene and patient care practices for infection control and prevention.
8. Evaluate global infectious disease prevention strategies used for infection control in the control of foodborne illness and in the aftermath of disasters.
9. Outline the role of bioreadiness in healthcare facilities.
10. Apply infectious disease prevention strategies in preparation for an influenza pandemic

Course Content Organization:

This course is organized into 16 weekly sessions (13 total units).

In general, the session for that week is designed to be completed within a one week period. The exception is weeks 3-4 to cover Standard and Transmission-Based Precautions.

All course materials and assignments will be made available the Thursday two weeks before it is due to be completed.

Each web-based assignment and each activity will be due by 9:00 PM of the Saturday night of the week it is covered. (Materials will be available the Thursday two weeks before it is designed to be covered.)

Instructor, TA, and Technical Assistance Contact Information:**Instructor Information:**

Instructor Name:	Donna Haiduve, PhD, RN, CIC, Assistant Professor
Office/Mailing address:	COPH 1120/MDC 56
Office Hours:	Available by appointment. E-mail instructor in advance.
Phone:	813-974-6472
Email address:	dhaiduve@health.usf.edu
Preferred method of contact:	e-mail
Reply policy:	Students can expect an e-mail reply from the instructor Sun-Thu (within 24-48 hrs), and Fri-Sat (within 48-72 hrs). EXCEPTION: If the instructor is traveling, students will be notified ahead of time of the dates and any specific modifications in contact instructions. In such cases, the T.A. can be contacted.

TA Information:

TA Name:	TBA
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Office address: N/A

Office Hours: TBA

Email address: TBA

Preferred method of contact: e-mail

Reply policy: Students can expect a reply from the TA as follows: Sun- Sat (within 24 hrs)

Assistance:

Technical problems: (accessing course, course materials, links, videos, presentations, documents, and assignment submission) Use the ‘Technical Problem Report Form’ located under the ‘Tech Assistance’ button on the course website. Select any of the available options. Students will receive a reply WITHIN 24 hours via phone or email based on student preference.
 During normal business days (M-F 8:30am-5:00pm) students can contact the Office of Educational Technology and Assessment (ETA) at 1-888-USF-COPH (option #3)

During exams: Call technical support, provided by ETA. The phone number along with instructions will be posted on the course website with the exam.

Course Content questions: Preferred method to contact TA.

Request Make-up exams: Preferred method to contact Instructor

Confidential problems: Preferred method to contact Instructor

Grading/Assessment/Criteria:

Grading Scale:

Straight letter grades are given as follows:
Grading Scale: A= (90-100), B= (80-89.9), C= (70-79.9); D= (60-69.9); F = <60.
 Official USF Grading Scale:
http://publichealth.usf.edu/academicaffairs/academic_procedures.html

Types of Assessments:

The grade will be determined as follows:
 The different course requirements are weighted as follows:
 7 Web-based activities (5% each) 35%
 Test #1 20% (100 points)
 Test #2 20% (100 points)
 Final exam 25% (100 points)
Total possible points for the course = TBA

Extra credit points: Up to 6 extra credit points are possible for completion and submission of the 6 activities, 2 points for Test #1, 3 points for Test #2 and 1 point for test #3. Each exam will have an additional 2-5 points of extra credit available. Partial credit may be given for some of the extra-credit questions.

WEB-BASED ASSIGNMENTS: There are 7 web-based assignments throughout the course. Each assignment has a variety of point values but carries the weight of 5% of the

course grade. Together the web-based assignments are worth **35% (140 points)** of the course grade. The format of these assignments ranges from pull-down and multiple choice questions, essay, and application exercises. Each web-based assignment is due by 9 PM of the Saturday night the week it is covered. See “Course Schedule” section in the syllabus and/or Blackboard for individual due dates.

EXAMINATIONS: There will be **2 closed -book** multiple choice, matching, True-False tests and **1 comprehensive open-book essay** final exam. Each of the three exams will be worth 100 total points; Tests #1-2 will each be worth 20% of the course grade and the final exam will be worth 25% of the course grade. Each exam is intended as an individual activity-to be completed independently without any type of correspondence between students and each other or any other persons. Tests will be administered as follows: Test #1, February 14-15 12 noon to 12 noon; April 3-4, 12 noon to 12 noon; and the final examination will be administered May 1- 3 at times to be arranged. **All tests will be delivered in an on-line format.** There will be a review posted on Blackboard the week before each exam is made available.

ACTIVITIES: In six of the weekly sessions, there will be an accompanying worksheet or set of questions designed to practice concepts, reduce the amount of material from the lecture notes, and/or to apply the material. Exam questions will be derived from these, so it is prudent to complete each one. Extra credit can be received by completing these and submitting them (1 point for each activity on the test where that material will be covered). There are **6 activities**. Thus, up to 2 points of extra credit can be achieved on test #1, 3 points on Test #2 and 1 point on the final exam. Each activity is due by 9 PM of the Saturday night the week it is covered.

FEEDBACK ON EXAMS AND ASSIGNMENTS: Students should expect to receive feedback on the web-based assignments no later than 2 class periods after the due date (unless the instructor is out of town). For the final exam, students may make an appointment to view their results.

**Class Participation/
Attendance:**

This is an entirely web-based course. Students need to complete the 7 web-based assignments and the 6 activities by Saturday at 9 PM of the week that they are covered, as well as submit the exams by the designated dates and time.

Course Outline:

COURSE SCHEDULE		
January 6-12, 2008 Week 1	Session 1	Overview of Infectious Disease Prevention Strategies Historical Perspective: Epidemics in History (Film: “ <i>Influenza 1918</i> ”) Activity #1 due by January 16th at 9 PM
January 13-19, 2008 Week 2	Session 2	Historical Perspective on Biological Warfare Current Threat of Bioterrorism Activity #2 due by January 19th at 9 PM
January 20-26, 2008 Week 3	Sessions 3 & 4	Transmission-Based Isolation/Precautions Web-based assignment #1 due by January 26th at 9 PM

AND

January 27-February 2, 2008 Week 4		Web-based assignment #2 due by February 2nd at 9 PM
February 3-9, 2008 Week 5	Session 5	Immunizations Web-based assignment #3 due by February 9th at 9 PM Review for Test #1
February 10-16, 2008 Week 6	Session 6	Test # 1
February 17-23, 2008 Week 7	Session 7	Post-exposure Prophylaxis & Work Restrictions Varicella Case Example Activity #3 due by February 23rd at 9 PM
February 24-March 1, 2008 Week 8	Session 8	Cleaning, Disinfection, & Sterilization Web-based assignment #4 due by March 1st at 9PM
March 2-8, 2008 Week 9	Session 9	Antisepsis & Hand Hygiene Web-based assignment #5 due by March 8th at 9PM
March 10-15, 2008	Spring Break – NO CLASS- No assignments or activities	
March 16-22, 2008 Week 10	Session 10	Patient Care Practices Parts I & II Activity #4 due by March 22nd at 9PM
March 23-29, 2008 Week 11	Session 11	“Prevention of Foodborne Illness: A Global Perspective” Film, “ <i>Lassa fever</i> ” Film, “ <i>Hantavirus Pulmonary Syndrome</i> ” Activity #5 due by March 29th at 9PM
March 30-April 5, 2008 Week 12	Session 12	Test #2
April 6-12, 2008 Week 13	Session 13	Bioreadiness in the Healthcare Setting Web-based assignment #6 due by April 12th at 9PM
April 13-19, 2008 Week 14	Session 14	Disasters and Infectious Disease Prevention Web-based assignment #7 due by April 19th at 9PM
April 20-26, 2008 Week 15	Session 15	Synthesis: Preparing for an Influenza Pandemic Activity # 6 due by April 26th at 9PM Course Evaluations Review for final exam

**April 26-May 2
Week 16**

Session 16

Final exam on-line (open book & notes) - essay & short answer, **comprehensive**

Institutional Policies:

Student Handbook: Review USF Student Handbook at:
http://www.sa.usf.edu/handbook/USF_Student_Handbook.pdf

Student Rights and Conduct: See USF Student Handbook (pg.13-20 of 24) to review:
-- USF Student Rights/Responsibilities
-- USF Student Code of Conduct

Academic Dishonesty/Plagiarism: Plagiarism will not be tolerated and is grounds for failure. Review USF Academic Dishonesty and Disruption of Academic Process Policy at:
<http://usfweb2.usf.edu/usfgc/ogc%20web/currentregs/USF3-0015.htm>
Also available in the Student Handbook (pg.3-5 of 24)

The University of South Florida has an account with an automated plagiarism detection service (*SafeAssignment*), which allows instructors and students to submit student assignments to be checked for plagiarism. I (the instructor) reserve the right to 1) request that assignments be submitted as electronic files and 2) submit students' assignments to *SafeAssignment*, or 3) request students to submit their assignments to *SafeAssignment* through myUSF. Assignments are compared automatically with a database of journal articles, web articles, the internet and previously submitted papers. The instructor receives a report showing exactly how a student's paper was plagiarized. For more information about Plagiarism and *SafeAssignment*, visit:

Plagiarism tutorial: <http://www.cte.usf.edu/plagiarism/plag.html>

SafeAssignment manual: <http://eta.health.usf.edu/technology/plagiarism/studentman.pdf>

Student Grievance Procedure: Review USF Academic Grievance Policy at:
http://usfweb2.usf.edu/usfgc/gc_pp/acadaf/gc10-002.htm

Review USF Academic Grievance Procedure at: (taken from the current Undergraduate Catalog)
<http://www.ugs.usf.edu/catalogs/0607/arcsagp.htm>
Also available in the 2007-2008 Graduate Catalog (pg.97-100 of 856)

Review the Office of Student Relations Grievance Procedure at:
<http://www.sa.usf.edu/SA/Student%20Grievances.pdf>

Special Accommodation: Visit the Office of Academic Support and Accommodations for Students with Disabilities (ASASD) website at: <http://www.asasd.usf.edu/index.htm>

Holidays and Religious Observances:

Students who anticipate the necessity of missing any exam due to the observation of a major religious observance should provide notice of the date(s) to the instructor, in writing, by the second class meeting.

Review USF Attendance Policy for the Observance of Religious Days by Student at: http://usfweb2.usf.edu/usfgc/gc_pp/acadaf/gc10-045.htm
For more information, see *Student Handbook* (pg.24 of 24)

Technology Requirements and Tools

Technology Checklist:

Link to basic technology requirements includes list of hardware and link to download required software: http://health.usf.edu/publichealth/eta/students_tech_requirements.htm

Resources for Students

Library Resources:

USF Library Resources and Services: <http://www.lib.usf.edu/>
Shimberg Health Sciences Library: <http://health.usf.edu/library/home.html>
'How to Find a Journal Article' tutorial:
<http://eta.health.usf.edu/publichealth/library/tutorial/index.html>

Citation Style (APA, MLA, etc.) Guides and Examples:

<http://www.lib.usf.edu/public/index.cfm?Pg=CitingSources>

Using Bibliographic Management Software:

http://eta.health.usf.edu/publichealth/library/bms/bms_v5_interface.html

Netiquette (online communication etiquette):

Netiquette guidelines:
http://eta.health.usf.edu/publichealth/standards/syllabus/Online_Netiquette.pdf

Plagiarism:

Tutorial on Plagiarism: <http://www.cte.usf.edu/plagiarism/plag.html>

Safe Assignment:

SafeAssignment Student Manual:
<http://eta.health.usf.edu/technology/plagiarism/studentman.pdf>

How to use Blackboard v7 Assignment Submission Tool:

<http://eta.health.usf.edu/technology/Assignmenttoollarge.html>