

# Course at a Glance

## Fall 2015



# Disease Surveillance and Monitoring

PHC 6251

**Course Title:** Disease Surveillance and Monitoring

**Course Number:** PHC 6251

**Dept:** GLO

**Credits:** 3

**Traditional Section:** 310

**Reference Number:** 83328

**For GDM, PHP, IMSPH, ExMPH Sections:** please visit Self-Funded Program [website](#) for course reference numbers, registration procedures and deadlines.

**Instructor Name:** Donna Haiduven, PhD, RN, CIC

**Instructor Email:** [dhaiduve@health.usf.edu](mailto:dhaiduve@health.usf.edu)

**Course Description:**

A review of epidemiological principles and methods used in the development and practice of disease and infection surveillance, prevention and control for public health in general and the hospital setting in particular. Basic epidemiological concepts will be focused on communicable disease, healthcare-associated infections, environmental exposures and emerging diseases.

*It is one of the four required courses in the Infection Control Graduate Certificate program as well as the online MPH program in Infection Control and an elective course in the Department of Global Health's Communicable Disease Track.*

**Format of content presentation, activities and/or instructional methods:**

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 assignments, exams, exercises, and extra credit activities.

**Course content organization:**

Course materials and assignments will be posted in the Canvas course website. Topics will be divided into weekly modules in Canvas. By the first week of class, the first four modules of course materials will be made available. The remaining modules consisting of required and supplemental readings, lectures notes, exercises and assignments will be posted up to four weeks ahead of schedule as feasible. (*See course schedule in syllabus for due dates.*) Students are responsible for knowing the due dates and times of all required submissions.

**Textbook and Ordering materials:**

**Required Text:** There is NO required text for the course. All Required Readings will be provided via Canvas

**Other Required Materials:** Supplemental Readings will be posted on the Canvas course website.

**Former Textbook:** Public Health Surveillance. 1992. Edited by William Halperin & Edward L. Baker, Jr. New York: John Wiley and Sons, Inc. *This book used to be the required text for the course, but is no longer in print. It forms the basis for many of the core surveillance concepts in the first two weeks of the course.*

**Course Topics:**

1. Core Surveillance Concepts
2. National Surveillance Systems & Disease Reporting
3. Healthcare Associated Infections (HAI) & Healthcare Surveillance
4. Outbreak Investigation
5. Data Collection and Interpretation
6. Data Analysis
7. Surveillance for HIV/AIDS

8. Surveillance for Healthcare Workers
9. Bloodborne Pathogen & Needlestick Injury Surveillance
10. International Surveillance
11. Vaccine Preventable Disease Surveillance
12. Surveillance for Foodborne Illness & Food Safety
13. Surveillance during Construction/Renovation

**Types of assessments in the course:** *The grade will be determined as follows:*

Midterm exam ( <i>open book</i> )	<b>(20%)</b>
7 Assignments	<b>(35%)</b>
Outbreak exercise	<b>(10%)</b>
Occupational Healthcare Hazards exercise	<b>(10%)</b>
Final exam ( <i>open book</i> )	<b>(25%)</b>

**Extra credit points possible: 17**

**Extra credit activities:** 6 possible extra credit points added to the assignments grade by completing 3 activities

**Assignment extra points:** 2 possible extra points on Assignment #3; 1 possible extra point each on preinstructional activity and midterm evaluation activity

**Midterm Exam extra credit:** 2 possible extra points on the midterm

**Final Exam extra credit:** 5 possible extra points on the final

#### **Course expectations:**

1. Students are expected to keep up with the class, to read the Required Readings, and to submit assignments, exercises and extra credit activities by due dates and times. As materials are presented at least 4 weeks ahead of when they are covered, students should plan accordingly to assure that all required components are submitted on time. ***Please note the due dates and times of assignments and exercises.***
2. Students are responsible for reviewing the syllabus during the first week of class and noting the date/time of the midterm and final exams. If there is an **anticipated** conflict, the student must notify the instructor no later than 2 weeks before the exam.
3. Students should access the course website and check email *at least every other day* (besides the time to review lectures and complete exercises and assignments), to check for any announcements, updates, and/or potential issues related to assignment/exercise submissions.
4. Students are expected to independently complete all extra credit activities, exercises, assignments, the midterm and the final exam.
5. To receive maximum points for questions, students need to follow the instructions carefully, follow word limits as instructed and use Spell Check. There will be deductions if these guidelines are not followed.
6. To be successful in this course, students will need to complete all required assignments, exercises, and the midterm and final exams. Students will increase their chances of passing the Certification Exam in Infection Control if they take a comprehensive approach to all courses in the Infection Control Certificate/Online MPH in Infection Control Programs by reading the Supplemental Readings as well in this course.
7. In case of a medical/family or other emergency which will result in missing an assignment/exam/exercise, the student should notify the instructor as soon as this is known. Documentation from the student may be required.

**Expectations for ALL assessments in this course:** On-line exercises, assignments, extra credit activities, and exams are expected to be products of individual students. Students should not discuss any of the questions with each other, before or during the actual exercises, assignments, extra credit activities, or exams.

#### **Required Dates & Times (to be online or on campus):**

1. **Midterm exam** Date: 8 AM Thursday 10/15/15 – Friday 10 PM 10/16/15 **Online**
2. **Final exam** Date: 8 AM Sunday 12/06/15 – Tuesday 10 PM 12/08/15 **Online**

**For more information about the Course, Contact:**

**Name:** Dr. Donna Haiduven

**Contact Info:** [dhaiduve@health.usf.edu](mailto:dhaiduve@health.usf.edu) (*preferred method*); USF-COPH office phone: (813) 974-6472

Note: For problems accessing the course materials and other computer technical problems, click the **Tech Assistance** button in your course website and fill out a "Technical Problem Report Form." The Tech Assistance button links to the Technical Assistance page of the Office of Educational Technology & Assessment website at:

<http://health.usf.edu/publichealth/eta/techsupport.html>. Students can also receive assistance via telephone at 813-974-6666, Mon-Fri 8:30am-5pm, or via email at [eta@health.usf.edu](mailto:eta@health.usf.edu).

**Technology Requirements (e.g. software or hardware):** Visit this website for software requirements and downloads:

[http://health.usf.edu/publichealth/eta/students\\_tech\\_requirements.htm](http://health.usf.edu/publichealth/eta/students_tech_requirements.htm)

**Please Note:** The information on this document is subject to change. The course instructor has the right to change any information posted in this document. Students should check the official course syllabus released during the first week of classes for any updates to this document.