

## Course at a Glance

### Spring 2016



**Course Title:** Foundations of Infection Control

**Course Number:** PHC 4032

**Dept:** GLO      **Credits:** 3

**Section:** 310      **Reference Number:** 21072

**Instructor Name:** Christine McGuire-Wolfe, PhD, CPH

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

**Course Description:**

This course covers the fundamental concepts of Infection Control and provides students an opportunity to learn and/or refresh their understanding of infection control principles. The structure of the course is based on the current objectives for the Infection Certification Examination (CIC). With completion of this course, students will be knowledgeable in the core concepts of infection control, the skills needed for infection control practice, and the practical applications of these concepts and skills.

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

The course material will consist of online PowerPoint presentation with audio recordings, assigned readings from either the text or other sources, and web-based videos. Information presented from all sources is potential activity or exam material, unless otherwise noted.

This course will have a “current events” infection control discussion board. The instructor will post articles regarding current outbreaks, new findings, or other issues of importance in infection control and prevention. Students will be required to post a short response to five (5) of these current events for 10% of the course grade.

**Course content organization:**

The course is organized into eight (8) units. Each unit will include one to two lectures, required readings, videos, and assignments or activities. An additional ninth unit, “Microbial Basics”, will be distributed among the first seven units. Unit 9 is presented in this manner to facilitate learning the more technical material, rather than presenting it in one lecture.

**Textbook and Ordering materials:**

***Required Text:***

There is no required text for the course. Required readings and videos will be presented in each unit.

***Recommended Text (optional):***

*Control of Communicable Disease Manual* by David Heyman, 19th edition. (ISBN-13: 978-0-87553-189-2)

***How to Order:***

If you chose to purchase the recommend text, you may do so online on the [HSC Bookstore website](http://usfhsc.bncollege.com) (<http://usfhsc.bncollege.com>)

## **Course Topics:**

### **Unit 1: Introductory Terms & Concepts**

1. List the prominent organizations in infection control.
2. List the domains & their content for the practice standards & competencies.
3. List the CBIC core competencies.
4. Explain the importance of healthcare-associated infections (HAIs)
5. Describe the roles of antibiotic resistance & stewardship.
6. List & detail the major types of HAIs.
7. Detail preventative steps for the major types of HAI.

### **Unit 2: Disease Transmission**

8. Define the modes of transmission of infectious diseases.
9. Analyze the components in the chain of infection.

### **Unit 3: Surveillance and Epidemiology for Infection Control**

10. Define the role of the Infection Preventionist in infection control.
11. Define the specific epidemiological terms and their relation to infection prevention.

### **Unit 4: Infection Prevention and Control – Principles and Practice**

12. Outline the basic principles for the practice of infection control.
13. Explain the interaction of infection control with epidemiology.

### **Unit 5: Education and Research in Infection Control**

14. Identify the principles of adult learning.
15. Demonstrate the role of the infection control professional in education.
16. Identify the tools required to critically evaluate research in the infection

### **Unit 6: Program Management and Communication Styles**

17. Identify common communication styles and their application to the field of infection control.
18. Explain the management principles related to the authority of infection control practitioners.

### **Unit 7: Infection Control and Employee Health**

19. Delineate the responsibilities of Employee Health in the prevention and control of infections.
20. Explain the relationship between Employee Health and Infection Control.

### **Unit 8: Synthesis and Application**

21. Synthesize and apply the course concepts to a variety of diseases and selected scenarios.

### **Unit 9: Microbial Basics (distributed among units 1-8)**

22. List the major bacterial, fungal, and viral microorganisms causing infectious diseases.
23. Identify methods of identification for selected organisms.
24. Explain the role of microbiology in infection control practice

Note: Due to the complexity of the Unit 9 material, this unit is presented in smaller parts so that students are able to allot the necessary time to learn the material.

### **Types of assessments and activities in the course:**

7 Activities (5% each)	35%
6 Current Events Comments 3.33% each)	20%
2 Exams (15% each)	30%
Synthesis/Application exercise	<u>15%</u>
	100%

Extra credit may be announced, at the discretion of the instructor, throughout the course.

**Student Expectations:**

During the first week of courses, students are expected to complete a first day attendance activity, which includes a syllabus quiz and a self-assessment of learning objectives for the semester.

Students are expected to keep up with the class, read the required readings, and to submit activities, exams, and synthesis/application exercise by the due dates and times. Students are responsible for knowing and tracking deadlines, as outlined in the syllabus.

Students should log on to the course website and check e-mail at least every other day to check for any announcements, updates, and/or issues related to activities, exams, and the exercise. Students are expected to independently complete activities, exams, and the exercise.

To receive maximum points for any activity, exam, or exercise, 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.

Activities, exams, and the exercise are expected to be the products of individual students. Students should not discuss any component of the activities, exams, or exercise with current or former students of the course.

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

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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". 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.