Course at a Glance

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Epidemiology Methods							
INFECTIOUS DISEASE							
Course Title: Epidemiological Methods in Infectious Diseases							
Course	Course Number: PHC 6006 Department:		Enidemiology	Credits: 3 Credit hours			
		and Biostatist					
Messa	Message From the Department:			Pre-requisites:			
•	The content is central for those interested	PHC 6588 (History and Systems), and					
	deepening their infectious diseases knowledge.			PHC 6756 (Population Assessment I)			
 Skills on applicable epidemiological methods in the study of infectious diseases will improve 							
•	study of infectious diseases will improve.Professionals will apply their epidemiological methods			or PHC 6000 Epidemiology and			
-	knowledge along their careers.	Sicarmetrious	PHC 6050 Biostatistics				
•	Those specialized in infectious diseases	will increase		demiology Methods I preferable).			
	their research skills.						
Course Description:							
In depth understanding of the implication of epidemiological methods within the context of infectious disease.							
Focus will be on the application of methods such as study design, as applied to infectious disease.							
Course	Objectives:						
	. Describe past and current issues in infectious disease epidemiology, and determine areas of needed						
	research in infectious disease epidemiology.						
2	Identify the use of appropriate study design in presenting an epidemiological description of ap						
۷.	 Identify the use of appropriate study design in presenting an epidemiological description of an infectious disease. 						
3.	Understand of how Geographic Information Systems (GIS) have been used in the epidemiology of						
	infectious diseases, as well as potential future uses of GIS.						
1	Identify the role of vegeination and putrition within the context of infectious disease						
4.	. Identify the role of vaccination and nutrition within the context of infectious disease.						
5.	5. Analyze the evidence for and against specific public health recommendations for interventions, within						
	the context of a specific infectious dis	sease.					
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6.	Understand the different surveillance						
	explore how computer surveillance systems are being developed to enhance surveillance.						
7.	 Learn how mathematical modeling is used in outbreak investigations. 						
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8.	 Determine the appropriateness of creating interventions based upon differing transmission methods for infectious diseases. 						

Course Structure:

Web-based with narrated presentations, bi-weekly modules, discussion boards, peer reviews, quizzes, individual and group assignments due 11:59pm on Sundays, few Synchronous Online sessions for presentations.

Types of Assessments:						
🛛 Quiz/Exam	🔲 Web Quest	🛛 Journal/Blog	🛛 Discussion Board			
Vritten Assignments	Poster Presentation	🛛 Individual Project	Individual Presentation			
Sroup Project	Group Gresentation	🛛 Case Study	🛛 Research Paper			
Demonstration/Simulation	☐ Midterm/Final Exam	□ Other (specify)				

Student Expectations:

Students are required to log in to Canvas at least twice a week, students should contribute content to the course, students are expected to participate in meaningful discussion, submit assignments on time, contact instructor about special requests ahead of time, maintain e-netiquette.

Technical Requirements: (in addition to the <u>standard technical requirements</u> for all online courses)

- Software- Microsoft Office (Word, Power point). Adobe acrobat.
- Hardware. Headset.

All online courses receive 24-hour support by the Office of Educational Technology and Assessment. Contact the ETA department by using the <u>Tech Assistance</u> link in your course. Students can also receive assistance via telephone at 813-974-6666, Mon-Fri 8:30am – 5pm, or via email at <u>eta@health.usf.edu</u>

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 syllabus released during the first week of classes for any updates to this document. For more information on this course or academic programs, please contact the <u>COPH Department</u> directly.