Introduction to Public Health - 13270 - HEAL 215 - 04

Course No.: HEAL 215  
Semester: Fall 2017  
Room: Silcox 116  
Days: Monday, Wednesday, Friday  
Time: 1 PM to 1:50 PM  
Instructor: Paul Gangarosa, MPH  
E-mail: gangarosap@cofc.edu  
Office Hours: Wednesdays 12 PM to 12:45 PM and by appointment  
Office: Silcox 223

OAKS: I will use OAKS to post lectures, announcements, additional required readings, articles, assignment instructions, and grades. You must sign up for OAKS notifications (either by text or email); if you are not sure how to do this ask the instructor.

Course Catalog Description

This course is designed to introduce the basic tenets, applications, and foci of public health, including integrating public health with other health professions. It will provide a history of public health, an overview of the core disciplines, current events and issues in the field.

Course Learning Objectives

Upon successful completion of the course, the student should be able to:
1. Outline the various components of the public health system.
2. Describe interrelationships among different components of public health system.
3. Identify eras in the historical development of public health and ways that public health affects everyone’s daily life.
4. Explain the basic principles of epidemiology, including rates, risk factors, disease determinants, causation, and public health surveillance.
5. Apply measures of population health and illness, including risk factors, to community health improvement initiatives.
6. Outline the role of law and government in promoting and protecting the health of the public and identifying specific functions and roles of governmental public health agencies in assuring population health.
7. Identify criteria for evaluating health systems, including matters of access, quality, and cost.
8. Describe the impact of the environment and describe how communicable diseases, including animal and food-borne diseases, affect health.
9. Explain how various occupations, professions, and careers contribute to carrying out public health’s core functions and essential services.

CEPH Competency Description
1. Explain the population health perspective and the methods used by public health to define and address population-wide/social concerns and the needs of vulnerable populations through the provision of essential services.

2. Explain from a national and global perspective the burden of disease, social-economic determinants of health, the links between health and development, and approaches to international cooperation to monitor, promote and protect health. Describe the most cost-effective interventions to address key issues e.g. nutrition, TB, malaria, and HIV and long term issues including sustainability.

3. Explain the use of clinical and community interventions for assessing, protecting, and improving health and preventing, detecting, curing and minimizing the impact of disease.

4. Explain the way biological, environmental, and psycho-social and cultural factors interact in disease production across time and understand how these influences can impact prevention strategies. Describe historical examples of the changing definitions of public health in a variety of cultures and times, including major scientific advancements and achievements that have had a significant impact on the advancement of public health. Compare and contrast response to public health issues in different times and cultures.

5. Explain the range of social and behavioral theories applicable to health behavior and apply these theories to interventions addressing a variety of health impairing conditions, populations, and intervention contexts.

6. Explain the impacts of the physical environment on health and use these explanations to understand human actions that alter, detect, and/or minimize these impacts.

**Grading**


**Grading Scale:**

A 90-100
A- 88-89
B+ 85-87
B 80-84
B- 78-79
C+ 75-77
C 70-74
C- 68-69
D+ 66-67
D 64-65
D- 62-63
F Less than 62

Assigned reading materials:

World Health Organization (WHO) Basic Epidemiology 2nd Edition

The Ghost Map Steven Johnson http://www.amazon.com/Ghost-Map-Londons-Terrifying-Epidemic--/dp/1594482691/ref=sr_1_1?keywords=ghost+map

Other readings as assigned.

CHANGES TO SYLLABUS
The schedule, policies, and procedures listed in this syllabus are subject to change at the discretion of the instructor. Fair notice will be given to students. No changes will be implemented retroactively.

HOW FINAL GRADE WILL BE CALCULATED:
All assignments combined will be worth 1000 points, broken down as follows:
Ghost Map Quiz: 200 points
Oswego Church Outbreak Study: 200 points
MMWR Presentation: 200 points
Tests: 200 points
Final Exam: 200 points

EXPLANATION OF GRADED ACTIVITIES:

GHOST MAP: We will read and discuss the book THE GHOST MAP about a cholera outbreak in London. There will be a quiz in which you will be allowed 1 handwritten, 8.5x11 sheet of paper with notes (you can write on the front and back) to use during the quiz.

OSWEGO CHURCH OUTBREAK STUDY: You will answer questions about a real life outbreak at a church picnic. You will work in groups but be graded individually and you will turn in your own work. This assignment must be handwritten.

MMWR: Each student will be required to do a presentation to the class of an MMWR article which discusses a current issue relating to Public Health. Examples include: Ebola, Poverty, Safe Water/Sanitation, Population Crisis. The article must be approved in advance by the instructor. Every week, the Centers for Disease Control and Prevention in Atlanta publishes its Morbidity and Mortality Weekly (MMWR) report, a weekly listing of reported diseases throughout the US. You will be required to subscribe to this report (by email). To sign up for the MMWR by email go to http://www.cdc.gov/mmwr/mmwrsubscribe.html and enter your email address.

TESTS: Test dates will be announced beforehand. These will usually be open book and open note. THESE CANNOT BE MADE UP. If you are absent the day of one of the tests you will have to take a zero.

FINAL EXAM: The Final will cover all material presented during the course. You will be allowed two “cheat sheets” – 8.5x11 pieces of paper with notes. These must be handwritten.
Statement Regarding Attendance
It is very important that you attend every class. While I like OAKS and use it often, your best understanding of the course material will come from listening to the lectures and participating in class discussions. That being said, I understand that emergencies come up from time to time; if you have to miss class please make every effort to let me know beforehand (email is acceptable). I will work with you to a reasonable extent to help you make up the material you missed.

Statement Regarding Disabilities
The College makes reasonable accommodations for persons with documented disabilities. Students should apply for documentation at the Center for Disability Services/SNAP, which is located on the first floor of the Lightsey Center (Suite 104; phone: 843-953-1431. Students approved for accommodation(s) are responsible for notifying Professor Gangarosa as soon as possible and for contacting Professor Gangarosa at least one week before any accommodation(s) will be needed. If you have any questions, please speak with Professor Gangarosa during his office hours or at another mutually convenient time.

The Honor System of the College of Charleston
All work for this class is subject to the Honor System of the College of Charleston. The Honor System of the College of Charleston is intended to promote and protect an atmosphere of trust and fairness in the classroom and in the conduct of daily life. The Honor System is composed of two major components: The Honor Code and the Code of Conduct. Specific policies fall under each major component. Students at the College of Charleston are bound by honor and by their enrollment at the College to abide by the honor and conduct codes. Any violations will be referred to the Dean of Students for review and resolutions.

Copyright and Plagiarism
As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, of another person. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you have the permission of that person. Also, please note that all materials used in this course are copyrighted. This includes, but is not limited to, handouts (i.e., syllabi, in-class materials, quizzes, exams, and other forms). Therefore, no student has the right to copy the handouts, unless permission is expressly granted.

Extra Credit
From time to time there will be opportunities to earn extra credit; these will be announced in class and on OAKS.

Policy Regarding Use of Technology in the Classroom
Cell phones should be turned off or set to vibrate during class. No texting or use of Internet is allowed during class unless directed by instructor to research a class assignment.

Center for Student Learning
You are encouraged to utilize the Center for Student Learning’s (CSL) academic support services for assistance in study strategies and course content. They offer tutoring, supplemental instruction, study skills appointments, and workshops. Students of all abilities have become more successful using these programs throughout their academic career and the services are available to you at no additional cost. For more information regarding these services please visit the CSL website at http://csl.cofc.edu or call 843-953-5635.