Public Health 101 (Fall 2017)  
Dr. Pamela Pinahs-Schultz  
T-TH 10:00-11:50  
Charles House 302  
Office Hours M,R(12-1) T(12:30-1:30), W (3-4)  
Phone: (262) 524-7323  
E-mail: pschultz@carrollu.edu  
Required Readings:  
Course Description:  
This course will introduce the student to the population health approach to public health. Content includes principles of evidence-based public health and tools for implementation including health communications and informatics, applications of social and behavioral sciences, health policy, law and ethics. Additionally methods for addressing non-communicable diseases, communicable disease, environmental diseases and injury, an overview of the U.S. health care system and comparisons with health care systems in other developed countries will be included. Students will also have an opportunity to examine public health institutions and systems at the local/state, federal and global levels as well as future issue in public health. This course meets the distribution requirement for Carroll's General Education Program (GE1-Social Science)  
Public Health 101 Learning Outcomes:  
Students will be able to:  
1. Identify eras in the historical development of public health and ways that public health affects literature and the arts, current events, and everyone's daily life.  
2. Illustrate the interdisciplinary, cross-cutting character of public health and the contributions of a range of disciplines and professions to improving health.  
3. Explain the basic principles of epidemiology, including rates, risk factors, disease determinants, causation and public health surveillance.  
4. Explain how public health assesses the options for intervention to improve the health of a population.  
5. Explain how public health can utilize health information and health communications to improve the health of populations.  
6. Explain how public health can utilize social and behavioral interventions to improve the health of populations.  
7. Explain how public health can utilize health policy and law to improve the health of populations.  
8. Explain the impact of the environment and communicable diseases on the health of populations.  
9. Explain the burden of chronic disease on morbidity and mortality and approaches to prevention and early detection.  
10. Describe the basic organization of health care and public health systems and the contributions of health professionals.
11. Identify the basic payment mechanisms for providing health services and the basic insurance mechanisms for paying for health services.
12. Describe criteria for evaluating health systems including issues of access, quality, and cost.
13. Identify the roles of public health in addressing the needs of vulnerable populations and health disparities.
14. Identify the roles of public health in disaster prevention and management.

Advanced Learning Outcomes

1. Apply the public health approach- problem, cause, intervention and implementation to a new public health problem (General Education SLO #4)
2. Apply principles of health communications and informatics to evaluation the quality of health information on the Internet or in the mass media (General Education SLO #7)
3. Analyze the advantages and disadvantages of a potential intervention (General Education SLO #6)
4. Apply principles for evaluating the quality of a health delivery system to that of a new health delivery system
5. Analyze the determinants of morbidity and mortality in a new situation
6. Analyze the degree of success in implementing essential public health services in a new situation
7. Synthesize the principles and tools of public health as applied to a new public health problem (General Education SLO #4, 6, 7)

Course Content:

Overview of Public Health
Why is Public Health Controversial?
Evidence- Based Public Health
Health Informatics and Health Communications
Social and Behavioral Sciences
Health Policy Law and Ethics
Non-Communicable Disease
Communicable Diseases
Resurgence of Communicable Disease
Environmental Diseases and Injuries
Health Professions
U.S. Health Care Institutions
Healthcare Systems
Public Health Institutions and Systems
Emergency Preparedness
Food, Drugs, and Guns as Public Health Issues
Systems Thinking the Future of Population Health

**Evaluation/Assessment Techniques:**
Final grades will be based on performance of:

1. 3 Exams (35%)
2. Healthy People written project/presentation (25%)
3. Controversial Research Paper/presentation (20%)
4. Attendance, participation, short papers, case studies and homework (20%)

This course will require preparation by students for each session through reading assignments and the review of a case study involving a current problem in public health. The case study method will serve as a concrete reference point for discussion. Classes will integrate didactic presentation and interactive discussion of the material and the case, and a case write-up following the class.

In addition to the weekly readings and case studies, students will be expected to complete multiple written projects (Healthy People Exercise, Health Professions Exercise, Controversial Research) and to participate in a team projects. The problem areas to be addressed include infectious diseases; chronic diseases; genetic, social and behavioral determinants of health and illness; environmental health problems; and problems of access to quality health care services. The projects will be presented orally.

**Exams:** The exams will be based on lecture (including guest speakers, movies), section content, discussion and readings. (1, 3, 8, 9, 11, 12, 14)

**Individual written projects:** In addition to the weekly readings and case studies, students will be expected to complete multiple written projects (Healthy People Exercise and Health Professions Exercise, Controversial Research) - (2, 5, 6, 7, 10, 13) (General Education SLO #4, 6, 7)

**Group Case Studies:**
Groups will answer case study questions and submit questions and answers. (1, 3, 4, 5, 6)
Attendance, participation, and professionalism are expected and required. Individuals not meeting these criteria will be penalized.

**Policy Statements**

**Statement on Academic Integrity** – The Carroll College Academic Integrity Policy is located in your student handbook (pages 17-21). I encourage you to familiarize yourself with it. Any student caught cheating on any assignment will automatically receive a grade of 0 points on that assignment. In addition to this, the student’s course grade will be lowered by an additional full
letter grade. When appropriate, this will be reported to the proper University authorities. I reserve the right to impose a sanction of failure in the course for egregious violations. If you have questions about appropriate citations, please ask.

**Plagiarism is not defined by intention it is defined by result. If you turn in someone else’s words or ideas as your own it is plagiarism. There are no excusing conditions.**

**Accommodation for Disabilities** – Any requests for accommodation must be made through Martha Bledsoe, Disability Services Coordinator at Carroll College. I will make appropriate accommodations once I receive notification from Ms. Broman.

**Modifications to the syllabus**: The instructor and the College reserve the right to modify, amend, or change the syllabus (schedule, course requirements, grading policy, etc.) as the curriculum and/or program require(s).
Week 1
- Principals of Public Health

Week 2
- Synthesis of concepts
- "And the Band Played On"

Week 3
- Evidenced Based Public Health

Week 4
- Tools of Population Health

Week 5
- Social and Behavioral Sciences Application
- Healthy People Assignment/Integration

Week 6
- Preventing Disease, Disability,
- Case Studies

Week 7
- Communicable Diseases
- Non-Communicable Diseases
- Environmental Diseases/Injuries

Week 8
- Test #2
- Health Profession, Institutions, Systems

Week 9
- "Escape Fire"

Week 10
- Professions

Week 11
- Institutions

Week 12
- Professions

Week 13
- Systems
- Controversial Presentations Oral and Written

Week 14
- Final Exam
- And Reflection