



## **BPH 2022 Public Health Biology (3cr)**

**January 4<sup>th</sup>, 2023- April 30<sup>th</sup>, 2023**

**Times:** (32099) TR 1:30 p.m.- 2:50 p.m. – Dr. Deborah Mulligan  
(32100) TR 3:00 p.m.- 4:20 p.m. – Dr. Deborah Mulligan

### **Course Description:**

This course further details the fundamental principles of the underlining mechanisms of human disease and how these mechanisms impact clinical outcomes This course is intended to serve as an

introduction to the major issues of public health with a focus on the United States, although global health issues are considered as well. We will examine what those issues are, what determines them, and how they can be altered. As a survey of the entire field of public health, the course provides a broad overview for students wishing no more than an introduction to the field, as well as good grounding for students who wish to pursue additional coursework in public health. *Prerequisites: BPH 1010. Frequency: Every Fall and Winter*

### **Learning Outcomes:**

At completion of the course, students should be able to:

1. Students will be able to explain what public health is, what distinguishes it from the other health sciences, and what unique contributions it has to make to the health of the public.
2. Students will be able to identify the principal determinants of health and disease, as well as the principal determinants of, and explanations for, inequalities in the health of groups differentiated by race, ethnicity, and socioeconomic status.
3. Students will understand when (and why) governments should intervene in matters pertaining to the health of the public and when (and why) they should not. They will be able to describe the major formal organizational structures within the United States responsible for monitoring and improving the public's health.
4. Students will be able to describe the basic approaches and purposes of the two major analytical methods of public health, epidemiology and biostatistics, without achieving mastery of the methods
5. Students will be able to explain the biomedical basis of major infectious and chronic diseases and congenital abnormalities, again without developing detailed expertise on these subjects.
6. Students will be able to identify the principal social and behavioral determinants of health and demonstrate how they influence the most important behavior-related health problems of the day.
7. Students will be able to explain the role of public health in medical care and identify the principal problems in the U.S. health care system. As well, students will become familiar with the features of and arguments about the Affordable Care Act (also known as "Obamacare").
8. Students will be able to identify the principal environmental determinants of health and describe the major environmental health issues of the present time.
9. Students will understand the health issues that confront major vulnerable populations, including but not limited to the LGBTQ+ community, mothers and children, and people suffering from mental illness.
10. Students will be able to itemize critical issues in global health, with a special focus on health in developing countries.
11. Students will be able to describe important future issues in public health and explain their origins.