



THE UNIVERSITY OF ARIZONA

Mel & Enid Zuckerman  
College of Public Health

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University of Arizona

## PHP 572 Applied Public Health Practice

**Catalog Description:** This course will describe the major causes of morbidity and mortality in the United States and the public health interventions used to address them. Contemporary public health issues, trends and controversies will be covered. (3 units)

### Course Topics:

- The Media and Public Health
- Influenza and Vaccine Preventable Diseases
- HIV, STDs (Syphilis, Chlamydia), Hepatitis C
- Food and Water Borne Disease
- Vector Borne Diseases
- Bioterrorism and PH Preparedness
- Rabies, Animal Control and Zoonotic Diseases
- Chronic Disease Prevention
- Environmental Health
- Drug Abuse
- Motor Vehicle Injuries, Violence, Suicide and Gun-Related Injuries
- Cancer

**Course Objectives:** During this course, students will:

- Describe the structure of the U.S. public health system.
- Describe the public health interventions used to minimize the impact of influenza.
- Discuss how to counter inaccurate information about public health issues.
- Describe the epidemiology of food borne diseases in the U.S.
- Describe the U.S. response to the COVID -19 pandemic and how it could have been improved.
- Discuss the different types of diseases that can be transmitted to humans from animals.
- Discuss the ethical, legal and political issues faced by local health departments when addressing chronic disease prevention.
- Describe public health problems with a proven environmental cause.
- Describe the epidemiology of marijuana, cocaine, heroin and methamphetamine use in the U.S.
- Discuss the interventions a local health department could use to decrease the incidence of homicide and suicide.
- Describe the most common cancers and the leading causes of cancer deaths in men and women.

**Learning Outcomes (Competencies Obtained):** Upon completion of this course students will be able to:

1. Utilize the broad range of public health strategies to decrease health disparities
2. Provide leadership to the administration of public health programs
3. Incorporate quantitative public health skills to evaluate programs and reported studies in terms of rigor, relevance and importance to professional practice
4. Identify appropriate strategies to promote positive health behavior changes in various populations
5. Analyze and discourse on public health issues
6. Analyze strategies to promote positive health behavior changes designed to address a Public Health issue