



**Summer Course “Epidemiology in Public Health”  
Epi820/CPH504, 3 credits  
(On Campus)  
July 25- August 1, 2018**

The College of Public Health is offering a short, intensive course entitled “Epidemiology in Public Health.” This course is designed to lay a strong foundation in basic epidemiological concepts and application of epidemiology to public health and clinical practice. It is suitable for graduate students and health professionals who wish to understand epidemiological concepts that relate to health care. A variety of learning methods such as assignments, group and class discussions, and projects are incorporated to facilitate student-centered and collaborative learning.

**Course Instructors:** UNMC Epidemiology Faculty

**Methods of Assessment:** Assignments 20%; Projects 40%; Exams- 40%

Proposed Schedule		
<b>July 27</b>	9AM-12PM	Disease Transmission & Measures of Disease Morbidity
	2PM-5PM	Measures of Mortality
<b>July 28</b>	9AM-12PM	Descriptive Epidemiology & Sources of Public Health Data
	2PM-5PM	Overview of Study Designs: Cohort, Clinical Trials & Cross Sectional
<b>July 29</b>	9AM-12PM	Case/Control Studies
	2PM-5PM	Screening
<b>Aug 1</b>	9AM-12PM	<b>Midterm</b>
	2PM-5PM	Comparing Disease Frequencies
<b>Aug 2</b>	9AM-12PM	Evaluating Random Error and Bias
	2PM-5PM	Evaluating Confounding/Causation
<b>Aug 3</b>	9AM-12PM	Questionnaire Design & Use of Epidemiology to Evaluate Health Services
	2PM-5PM	<b>Final Exam</b>

\*There will be in-class exercises each day.  
There will be two projects due Aug 8th

Contact Tricia LeVan, PhD for further information ([tlevan@unmc.edu](mailto:tlevan@unmc.edu) or 402.552.7242)