# Department of Epidemiology
## Summer 2019 Course Offerings

### PHC 6001: Principles of Epidemiology in Public Health
- **Instructor:** Krishna Vaddiparti, PhD, MPE, MSW
- **Term:** Summer C  
- **Format:** Online
- **Credits:** 3
- **Grading Scheme:** Letter
- **Prerequisites:** None.

This course is an introduction to epidemiology for students majoring in any aspect of the health sciences. This course presents the principles and methods of the epidemiological investigation of both infectious and non-infectious diseases. The purpose of this course is to equip students with the necessary knowledge and skills to explain the place of epidemiology in the general health thinking and to communicate and apply the basic principles of epidemiology.

### PHC 6002: Epidemiology of Infectious Diseases
- **Instructor:** Jerne Shapiro, MPH
- **Term:** Summer C  
- **Format:** Online
- **Credits:** 3
- **Grading Scheme:** Letter
- **Prerequisites:** PHC 6001 and PHC 6052 or PHC 6050, or permission from the instructor.

This is an intermediate-level course that will introduce the student to the unique aspects of infectious disease and epidemiological methods used in their study, prevention and control. The student will gain knowledge through lectures, case studies, simulated outbreaks, readings, exercises, and an individual project. The course covers: sexually transmitted diseases, vector-borne diseases, zoonotic diseases, tuberculosis, diarrheal diseases, hepatitis, HIV, food-borne diseases, hospital transmission and control, and emerging and re-emerging pathogens.

### PHC 6011: Epidemiology Methods II
- **Instructor:** Lusine Yaghjian, MD, MPH, PhD
- **Term:** Summer A  
- **Format:** In Residence
- **Credits:** 3  
- **Grading Scheme:** Letter  
- **HPNP G-114**
- **Prerequisites:** PHC 6000, PHC 6052, and PHC 6053, or permission from the instructor.

This course describes the implementation of common analytic methods in epidemiology. A course project helps build a foundation in applied epidemiologic analysis and develop experience in peer-review productivity based on secondary data. This course builds upon PHC 6000 (Epidemiology Methods I) to extend the understanding of epidemiologic concepts and methods by providing applied training in the conduct of secondary data analysis studies.

### PHC 6937: Core Seminar in the Translational Science of Alcohol and HIV Infection
- **Instructor:** Robert Leeman, PhD
- **Term:** Summer A  
- **Format:** In Residence
- **Credits:** 1  
- **Grading Scheme:** Letter  
- **MAEB 0234**
- **Prerequisites:** None.

In addition to alcohol and HIV research, this course will also cover several professional development topics including the academic job search process, non-academic jobs and “How to be a professor.” Seminars will be led by a rotating group of faculty-level experts, primarily from here at UF, but with some external speakers.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Term</th>
<th>Format</th>
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<tbody>
<tr>
<td>PHC 7427</td>
<td>Ethics in Population Science</td>
<td>Catherine W. Striley, PhD, MSW, ACSW, MPE</td>
<td>Summer A</td>
<td>In Residence</td>
<td>2</td>
<td>Tuesdays, 12:30p-4:45p</td>
<td>S/U</td>
<td>Advanced degree or PhD candidacy, or permission of the instructor. This course covers federally mandated topics in the responsible conduct of research: data acquisition, management, sharing, and ownership; conflict of interest/commitment; human subjects; animal welfare; research misconduct; publication practices and responsible authorship; mentor/trainee responsibilities; peer review; and collaborative science. This ethics course is for those enrolled in research intensive graduate programs.</td>
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<td>PHC 7594</td>
<td>Genetic Epidemiology</td>
<td>Jinying Zhao, MD, PhD</td>
<td>Summer A</td>
<td>In Residence</td>
<td>3</td>
<td>Mondays and Wednesdays, 2:00p-5:00p</td>
<td>Letter</td>
<td>PHC 6000, PHC 6011, and PHC 6050, or permission from the instructor. This course covers fundamental concepts and principles in genetic epidemiology. At the completion of this course, students are expected to critically discuss literature, design and conduct basic genetic analysis, and interpret research finding. Advanced methods course for PhD program.</td>
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<td>PHC 7727</td>
<td>Grant Writing for Population Health Research</td>
<td>Linda B. Cottler, PhD, MPH, FACE, and Volker Mai, PhD, MPH</td>
<td>Summer C</td>
<td>In Residence</td>
<td>2</td>
<td>Fridays, 9:30a-12:00p</td>
<td>Letter</td>
<td>PHC 6011, or permission from the instructor. This course provides practical instruction in the grant writing process with a specific focus on National Institutes of Health (NIH) procedures. It provides students with experience in writing a full grant application and in reviewing others’ grant applications. It also contains a mock grant review session to assist students in understanding the process and content of grant review.</td>
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