Applied Epidemiology (Epidemiology II)
CLRE 257, Fall 2023

Course Syllabus

Instructor: Richard Calvo, PhD, MPH
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Zoom: "Office hours" by appointment

Introduction

This course is designed to introduce you to researchers in a variety of epidemiological content areas, to provide you with an improved understanding of the application of epidemiologic methods, and to introduce you to additional avenues for research. Students should capably apply concepts learned in Epidemiology I toward the critique and critical review of epidemiological research manuscripts across this variety of content areas. By the end of this course, each student should be able to demonstrate their knowledge of epidemiologic principals and concepts and how they are applied in research.

Instruction Style

For the Fall 2023 quarter, this course will be taught via hybrid instruction. Most classes will be performed in-person with a select few provided via **Zoom**. With help from the UCSD Extended Studies staff, every class should be recorded for ease of access. Please see **Canvas** for the materials and schedule.

Grading

There will be weekly homework assignments and a final exam. Grades for the class will be determined by your scores on homework assignments, the final exam, class attendance/participation, and submission of weekly session evaluations.

Class attendance, participation, evaluation	4 points per class	40 points
Homework assignments	20 points per assignment	180 points
Final exam		80 points
Total points possible		300 points

Class Attendance, Participation, and Evaluation

You will be asked to complete up to two readings per week that will be provided by each instructor in advance of each session. Participation will be gauged through an active discussion of these manuscripts during class. At the conclusion of the class session, students will be asked to complete an evaluation of the session and the lecturer. These evaluations will be used to select speakers for subsequent courses.

Weekly Homework Assignment

To better prepare for each weekly class session, you will also be asked to turn in a brief written review of ONE of the two assigned manuscripts. The template for this review is provided to you on Canvas. Please complete the written review prior to the class session it is assigned so that you will be able to discuss the article with the instructor. Completed assignments should be uploaded to the appropriate week's listing on **Gradescope**. Late assignments will **not** be accepted without prior approval since the material will be discussed during class.

Final Exam

The final exam (take home) will be released via Canvas on December 7, 2023 at 6:30pm and will be due on December 14, 2023 by 6:00pm. It will consist of responding to specific questions regarding selected research articles. Questions will pertain to review of the epidemiologic methodology, measurement, biases, confounding and interaction, and the overall value of the results.

Statement on Academic Integrity

Integrity is the courage to uphold honesty, fairness, respect, responsibility & trustworthiness even when it is difficult to do so.

Generative Artificial Intelligence or GenAI (e.g., ChatGPT, BingChat, GoogleBard, MidJourney) has created a concern or academic integrity. Because GenAI is new for everyone, and confusing to most, it is important that students Choose Integrity. Accordingly, the UCSD Campus Academic Integrity Office (AIO) is actively working on key guidance for members of the academic community in addressing the use and misuse of GenAI.

Students should feel they are equipped to prioritize learning, to understand when/if/how they are allowed to use GenAI for academic work, and how they might gather the courage to not be bystanders when they see integrity violations happening. The instructor of this course will specifically offer GenAI as a tool for work when it is explicitly appropriate. If you, the student, believe you are ill-equipped for the course and are drawn toward using GenAI to support this lack of knowledge, please reach out to the instructor at the nearest available time to determine the best steps for success while maintaining strong academic integrity.