Syllabus
Epidemiology II (CLRE-257), 2 Units
Spring 2019

Course Instructor
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Course TA(s)
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Course Description
Epidemiology II is designed to introduce you to researchers in various epidemiological content areas, including (but not limited to) spatial, environmental/occupational, cancer, nutrition, tobacco and perinatal/reproductive epidemiology. Students will be exposed to a variety of methodologic considerations, including study design and conduct, measurement issues, bias, and data analysis and interpretation relevant to the unique exposures and outcomes in each content area. Students will gain an understanding of the application of epidemiologic methods, and will be introduced to research possibilities.

Course Organization
The course structure is seminar-based with a new guest speaker who is an expert in their respective field. Each week’s session will typically begin with introductions, followed by a brief lecture and break. Students will reconvene after the break to discuss important facets of the assigned readings with the speaker.

Course Goals
At the end of this course, each student will take an exam demonstrating their knowledge of basic epidemiologic principals and concepts and how they are applied in scientific research.

Course Objectives
Students will advance their understanding of the different types of epidemiologic study designs, their relative strengths and limitations, practical sources of error and inaccuracies, and analytical methodologies. The learning experience of all students will be enhanced through presentations by active epidemiologists across various fields in research and industry. Using peer-reviewed manuscripts pertinent to weekly course content, students will hone their skills as critical reviewers of the epidemiologic literature.

Prerequisites and Preparation
Students must have satisfactorily completed CLRE 251 (Epidemiology I) and have a basic understanding of how to review scientific literature.

Course Materials/Resources
- Online resources: (TritonEd: https://tritoned.ucsd.edu/webapps/login/)
Weekly assigned readings vary. See TritonEd.

Course Schedule
Please see the lecture schedule attached.

Course Component(s)
Homework: You will be asked to complete weekly readings provided by each instructor in advance of each session. Be prepared to discuss all the assigned readings in class. In preparation for the lectures, you will also be asked to turn in a brief written (~2 page) review of ONE research article per week. The format for this review has been provided to you on TritonEd. Please complete the written review prior to the class session it is assigned so that you will be able to discuss the research article with the instructor. For these assignments, please post your article review electronically on TritonEd before class.

Exams/Final projects
• Final Exam: The final exam (take home) will be released via TritonED on June 6, 2017 and is due on June 14, 2017. It will consist of responding to specific questions regarding selected research articles. Questions may include issues of study design, sampling frame, sampling strategy, data collection strategy, risk and outcome measurement(s), methods of analysis, biases, confounding and interaction in the study, and the strength and value of the results.

Grading Policy

- Class attendance, participation, evaluation: 4 points/class 40 points
- Article reviews (n=9) 20 points/review 180 points
- Final Exam 80 points
- Total points possible 300 points

• Criteria for Pass: Your grade for the class will be determined by your grades on the assignments, the final, and class attendance/participation.
• You will receive a letter grade for this course.
• See your grades on TritonLink https://students.ucsd.edu/ (if you are matriculated- in MAS Program), on MyExtension https://myextension.ucsd.edu/ (if you are CREST, non-matriculated, concurrent enrollment)
Course Policy and Expectations (classroom rules of conduct)

- Attendance Policy: CREST/MAS program policy requires a minimal attendance of 70%, seven of the ten sessions. Please, be sure not to exceed 3 absences as you will have to drop and repeat the course. Coming to class 20 minutes after the class starts also counts as an absence so, please be on time.
- Academic Integrity: See TritonEd Announcement page and/or http://academicintegrity.ucsd.edu/
- Late work submission policy: Late assignments will not be accepted without prior approval since the material will be discussed during class.

Communication with lecturers
The best way to reach any lecturer is via email. Lecturers will typically display their addresses at the beginning of the course. We will try to respond within 24 hours.

Student Evaluation of Course and Faculty
Course and faculty evaluations provide important feedback to instructors to improve course content and teaching methodology. Teaching evaluations are also an important factor in faculty advancement, merit and promotion. This is also part of developing professional conduct and behavior. To facilitate ease of completion of evaluations an electronic format has been implemented in Survey Monkey. Please see the TritonEd page for the link.

Accommodations
If you have a disability that may impact your academic performance, you may request accommodations by submitting documentation to: https://students.ucsd.edu/well-being/disability-services/