SYLLABUS
BIOS/CPH 696S: BIOSTATISTICS SEMINAR
SPRING 2020

Time: Wednesdays, 12:00 – 12:50 p.m.
Location: Drachman Hall A-112 (primary location. See D2L for alternative sites)

Instructor: Edward J. Bedrick
Professor of Biostatistics
BSRL 262
edwardjbedrick@email.arizona.edu

Office Hours: By appointment via email

Catalogue Description: This is a graduate-level seminar consisting of presentations by diverse speakers on a range of topics in biostatistics and in public health. This is also a forum in which biostatistics students can give presentations.

Course Description: The Biostatistics Seminar is a forum for presentation and discussion of original research findings, methodological approaches, and applied biostatistics, as well as career-development topics such as procurement of research funding, critical evaluation of scientific literature, communication of epidemiologic concepts or findings, practical considerations for internships, membership in professional organizations, and job searching. Presentations may span a broad range of areas including study design, applied and theoretical aspects of methods development and collaborative. This is also a forum for MS and PhD biostatistics students, as well as postdoctoral fellows, to present findings from their respective areas of research.

Course Prerequisites: This course is restricted to graduate students in health related fields including public health, medicine, and the biological or social sciences.

Course Objectives: During this course students will:
- gain an understanding of the application of statistical principles to biomedical and public health research
- enhance their exposure to individuals with biostatistical and statistically focused careers

Course Learning Outcomes: Upon completion of this course, students will
- have increased their understanding of a broad range of biostatistical and public health research areas
- become aware of cutting edge developments in biostatistics and public health research

MPH, MS, PHD/Section Competencies Covered: none

Course Notes: There are no notes for this course.

Recommended Texts/Readings: Journal articles, if relevant, will be posted on D2L.

Course Schedule: The seminar schedule with meeting locations will be updated as needed on D2L. A very preliminary version with meeting locations is given at the end of the syllabus.

Course Requirements: Students must
- Participate by actively listening and asking questions
- Write a short (1/2 page) review of 8 presentations or review 4 presentations and make an oral presentation
- When assigned, read preparatory materials and complete assignments before seminar

**Grading:** **Pass-Fail Grading.** Final grade will be based on attendance, submission of presentation summaries and/or presentation of a seminar. Students must attend and participate in at least 10 sessions and satisfy requirements above to receive a grade of P.

**Class Attendance and Participation:** Students are expected to actively listen and participate. If a student cannot attend a seminar session, substitution with another seminar may be appropriate. The student must discuss this option with the course instructor for prior approval. The student will be asked to provide documentation of attendance at the alternate seminar. All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion. Absences pre-approved by the UA Dean of Students (or Dean's designee) will be honored.

**Communications:** You are responsible for reading emails sent to your UA account from your instructor and the announcements that are placed on the course web site. Information about readings, news events, your grades, assignments and other course related topics will be communicated to you with these electronic methods. The official policy can be found at: [https://www.registrar.arizona.edu/personal-information/official-student-email-policy-use-email-official-correspondence-students](https://www.registrar.arizona.edu/personal-information/official-student-email-policy-use-email-official-correspondence-students)

**Accessibility and Accommodations:** At the University of Arizona, we strive to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, you are welcome to let me know so that we can discuss options. You are also encouraged to contact Disability Resources (520-621-3268) to explore reasonable accommodation. If our class meets at a campus location: Please be aware that the accessible table and chairs in this room should remain available for students who find that standard classroom seating is not usable. For additional information on Disability Resources and reasonable accommodations, please visit [http://drc.arizona.edu/students](http://drc.arizona.edu/students)

**Code of Academic Integrity:** Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercise must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity, available through the office of the UA Dean Students: [http://deanofstudents.arizona.edu/policies-and-codes/code-academic-integrity](http://deanofstudents.arizona.edu/policies-and-codes/code-academic-integrity)

**Classroom Behavior:** Students are expected to act and behave in a respectful, professional manner. Students are expected to be familiar with the UA Policy on Disruptive Student Behavior in an Instructional Setting found at: [http://policy.arizona.edu/education-and-student-affairs/disruptive-behavior-instructional-setting](http://policy.arizona.edu/education-and-student-affairs/disruptive-behavior-instructional-setting)

**Threatening Behavior Policy:** The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to one’s self, [http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students](http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students)

**Nondiscrimination and Anti-Harassment Policy:** The University of Arizona is committed to creating and maintaining an environment free of discrimination, [http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy](http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy)

**UA Smoking and Tobacco Policy:** Students are expected to act in accordance with and be familiar with this policy, the purpose of which is to establish the University of Arizona’s (University) commitment to protect the health of University faculty, staff, students, and visitors on its campuses and in its vehicles, [http://policy.arizona.edu/ethics-and-conduct.smoking-and-tobacco-policy](http://policy.arizona.edu/ethics-and-conduct.smoking-and-tobacco-policy)

**Syllabus Changes:** Information contained in the course syllabus, other than the grade and absence policies, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.
Modifications to Syllabus Resulting from COVID-19 Pandemic:

Course requirements (8 written summaries or 4 written summaries plus an oral presentation) still apply.

As of March 11, 2020 attendance will be based on honor system.

Seminars will be announced weekly and will be available either by ZOOM or on YouTube
# Program Seminars

**Department of Epidemiology & Biostatistics**

**Spring 2020**

<table>
<thead>
<tr>
<th>Date</th>
<th>Seminar</th>
<th>Room</th>
<th>Speaker &amp; Affiliation</th>
<th>Title</th>
</tr>
</thead>
</table>
| Jan 15| College | Drach A114 | Ana Martinez, Associate Professor  
Dept of Community Health and Prevention  
Dornsife School of Public Health  
Drexel University | The impact of parental deportation on U.S. citizen health and well being |
| Jan 22| Biostat | Drach A112 | Cancelled | A nonparametric multiple imputation approach for survival data with informative censoring |
| Jan 29| Dept    | Drach A114 | Patrick O’Connor, University of Arizona (PhD defense) | A nonparametric multiple imputation approach for survival data with informative censoring |
| Feb 5 | Dept    | Drach A114 | Jim Ranger Moore  
Roche Molecular Technology | CANCELLED |
| Feb 12| College | Drach A114 | Peter Thall  
University of Texas  
MD Anderson Cancer Center | Statistical Remedies for Flawed Conventions in Medical Research |
| Feb 19| Biostat | Drach A114 | Yiwen Liu, Dept of Mathematics  
University of Arizona | B-scaling: A Novel Nonparametric Data Fusion Method |
| Feb 26| Biostat | Drach A114 | Dr. Mohan Tanniru  
Division of Public Health Practice  
Mel and Enid Zuckerman College of Public Health, U of Arizona, Tucson/Phoenix | Decision Support in the Digital Age – Implications to Public Health Decision Making |
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Speaker/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 4</td>
<td>Dept</td>
<td>Drach A114</td>
<td>Tomas Nuño, Ph.D. <em>Meta Salud Diabetes: An intervention to prevent cardiovascular disease and complications among Hispanic diabetic populations</em></td>
</tr>
<tr>
<td>Mar 11</td>
<td></td>
<td></td>
<td>Spring Break – no Seminar</td>
</tr>
<tr>
<td>Mar 18</td>
<td>College</td>
<td></td>
<td>COVID-19 Interactive Discussion <em>ZOOM: <a href="https://uahs.zoom.us/j/850417098">https://uahs.zoom.us/j/850417098</a></em></td>
</tr>
<tr>
<td>Mar 25</td>
<td>Dept</td>
<td>Drach A114</td>
<td>Elizabeth Hibler Northwestern University <em>Late-effects of Cancer Treatment among Young and Emerging Adults</em></td>
</tr>
<tr>
<td>Apr 1</td>
<td>Biostat</td>
<td>Drach A112</td>
<td>Professor Raymond Flood Oxford University <em>Modeling the Spread of Infectious Diseases <a href="https://www.youtube.com/watch?v=ItVAYbgvfGg">https://www.youtube.com/watch?v=ItVAYbgvfGg</a></em></td>
</tr>
<tr>
<td>Apr 8</td>
<td>College</td>
<td></td>
<td>Denise Moreno Ramirez Doctoral Candidate Department of Environmental Science University of Arizona <em>Community-Engaged Oral History: Preserving Voice, Memory, and Knowledge About Hazardous Contaminated Sites Via Zoom: <a href="https://uahs.zoom.us/j/931784077">https://uahs.zoom.us/j/931784077</a>,</em></td>
</tr>
<tr>
<td>Apr 15</td>
<td>Biostat</td>
<td></td>
<td>TBA</td>
</tr>
<tr>
<td>Apr 22</td>
<td>Biostat</td>
<td></td>
<td>TBA</td>
</tr>
<tr>
<td>Apr 29</td>
<td>Biostat</td>
<td></td>
<td>TBA</td>
</tr>
<tr>
<td>May 6</td>
<td>Dept</td>
<td></td>
<td>TBA</td>
</tr>
</tbody>
</table>