Announcements

- Welcome back from winter break!
- Welcome to Statistical Methods in Public Health III (Biostat 140.623)!
- Please pick up today's handouts

- Two lecture sections. Please note:
  - Overflow Room (W5008)
  - Sommer Hall (E2014)

    Section .01- Dr. Marie Diener-West

    MPH, DrPH, MSPH, undergraduates, post-docs, and special students

  - Sheldon Hall (W1214)

    Section .02 - Dr. Leah Jager

    PhD, ScM, and MHS students

Biostatistics 140.623 Course Syllabus

- Page 2 – Faculty Lecturers, Lectures and Lab
- Page 3 – Lab Instructors and TAs
- Page 4 – CoursePlus, Books, Calculators, Computing Packages
- Page 5 – Course Policies, Exam Policy
- Page 6 – Course Grading, Academic Ethics Code
- Page 7 – Disability Support Services,Course Objectives
- Page 8 – Course Schedule

Biostatistics 140.623 Faculty

- Two lecture sections:
  140.623.01- Dr. Diener-West

  140.623.02 - Dr. Jager

- Overflow Rooms – W5008– with audio-video transmission

- Both lecture sections are using *Panopto* lecture capture system

Biostatistics 140.623 Labs

- Labs start TODAY
- Each student registers for one lab per week
- Lab instructors rotate through the 9 labs per week which are always in W5030
- R lab on Fridays at 3:30 pm in W5030

Marie Diener-West

Leah Jager

Junrui Di

Jason Ji

Claire Ruberman

Haoyu Zhang

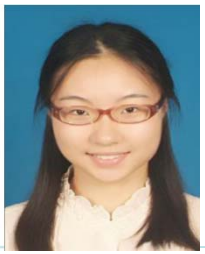
Biostatistics 140.623 Teaching Assistants

Ben Ackerman

Gege Gui

Ji Soo Kim

Madhuram Nagarajan



Yunwen Xu

Sophie Berube

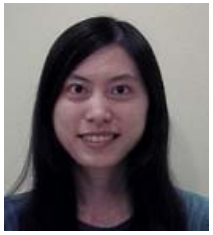
Prosenjit Kundu

Omar Mansour

Max Thayer

Yuchen Yang

Chih Kai Chang



Lauren Lan

George Mwinnyaa

Siruo (Sara) Wang

Brian Zhang

Weixiang Fang

Yuxin (Daisy) Zhu

M – F: 12:15-1:20 pm in W2009;

M-F 2:30-3:20 pm in W3025

Biostatistics 140.623 Policy for Problem Sets

- Problem sets may be worked on together and discussed. However, each student must write up the problem set individually using his or her own words. Copying work is not allowed.
- Each Problem Set must be submitted to the CoursePlus drop box by the due date/time or it will not be accepted.
- If you encounter a technical issue, please contact your faculty lecturer. Otherwise, NO late submissions will be accepted.
- A student has the opportunity to raise an “Unsatisfactory” to a “Satisfactory” performance by correcting and resubmitting work after receiving feedback on the problem set. However, initial submission of an incomplete problem set will not be considered for correction and resubmission.

Biostatistics 140.623 Exam and Due Dates

- Midterm Exam – **Feb 20**
- Final Exam – **Mar 15**

  You are already aware of these dates

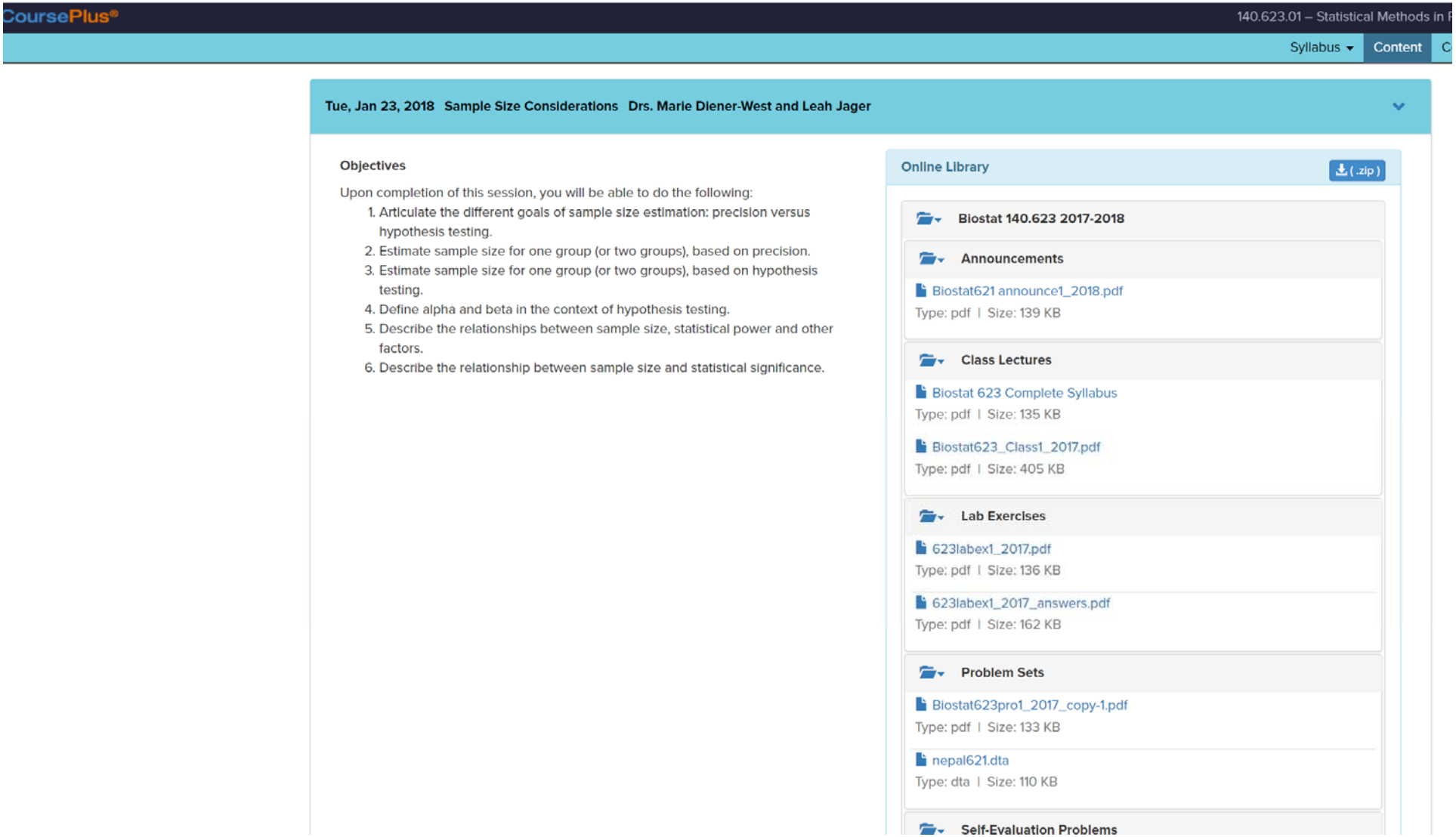
- Problem Set 1 due **Feb 1**

- Quiz 1 via Quiz Generator on **Feb 6**

Topics in Biostat 140.623

- Sample size, significance level, and statistical power
- Propensity scores
- Survival analysis and Cox regression model
- Life table analysis and Poisson regression model
- Other regression models
- Special topics

Biostat 140.623 CoursePlus Content



Biostat 140.624

- Fourth Term taught by Dr. James Tonascia
- Combination of review and new topics in lectures
- Quizzes, no problem sets! (Sometimes an optional exam).
- The course revolves around students' completion of a complete (exploratory through multivariable) data analysis and write-up of a self-identified data set of your choice.
- Start looking for a data set now!

Biostat 140.622

- Final Exam and Score Cover Sheet returned to you after lecture TODAY

- Review of the final exam on Thursday, January 25 at 5:00 pm in Sommer Hall.

Delta Omega
Honorary Society in Public Health

Save the Date

Delta Omega Poster Competition 2018

Abstract Submission Deadline: **February 09, 2018, at 11:59pm EST**

The Alpha Chapter of the Delta Omega Public Health Honor Society calls ALL students and postdoctoral fellows to submit your abstracts to the Poster Competition 2018. Submission of abstracts will be accepted January 9th-February 9th.

Compete to win cash prizes in each category (Laboratory Research, Applied Research, Practice & Policy)

The overall winner will be supported to present his or her poster at APHA in the year following the competition. See competition rules, past year winners and other at: http://www.jhsph.edu/alumni/alumni-associations/delta-omega/poster-competition/

All abstracts that meet the submission criteria (are complete, represent student work) will be accepted automatically.

New Course: **Epidemiologic Practice Methods for Population Health Research (340.664)**

- Logistics: 4th Term, 2 credits, Wednesdays 8:30 – 10:20

- Objectives: Introduces core quantitative epidemiologic techniques used to monitor/optimize population health and to target/address health inequities. Divided into 4 modules:
  - Weighted Survey Analysis
  - Calculating Life Expectancy
  - Estimate Preventable Deaths
  - Application of Conceptual Frameworks in Epidemiology

- Course will be taught in Stata and R; students may choose which program they use.

- Appropriate for students with a strong foundation in Epidemiology & Biostatistics, for example: (Epi Methods or Epi Inference 1 & 2, Biostats 621 & 622)

Third Term Course:
Health Systems Research and Evaluation in Developing Countries

- 221.638.01

- For those interested in learning more about methods specific for health systems research.

- The class meets on Tuesdays and Thursdays from 1:30 – 3:20 pm.