

STAT011: Statistical Methods I

Spring 2021 | Swarthmore College | T/Th 11:45a-1:00p

Professor: Amanda Luby

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www.swarthmore.edu/NatSci/aluby1

Course Zoom Link

Meeting ID:

Passcode:

Office Hours

On Zoom: Tues/Wed 3-4 pm

On Slack: anytime

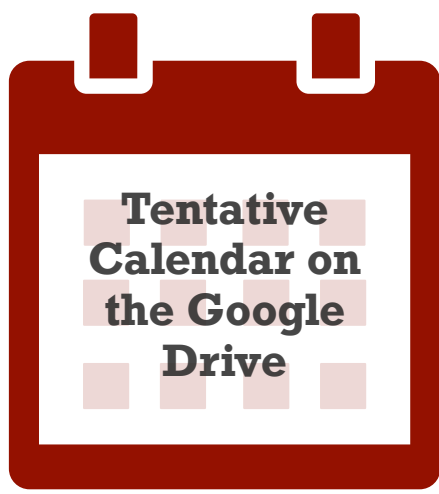
By appointment: bit.ly/prof-luby-oh

Materials

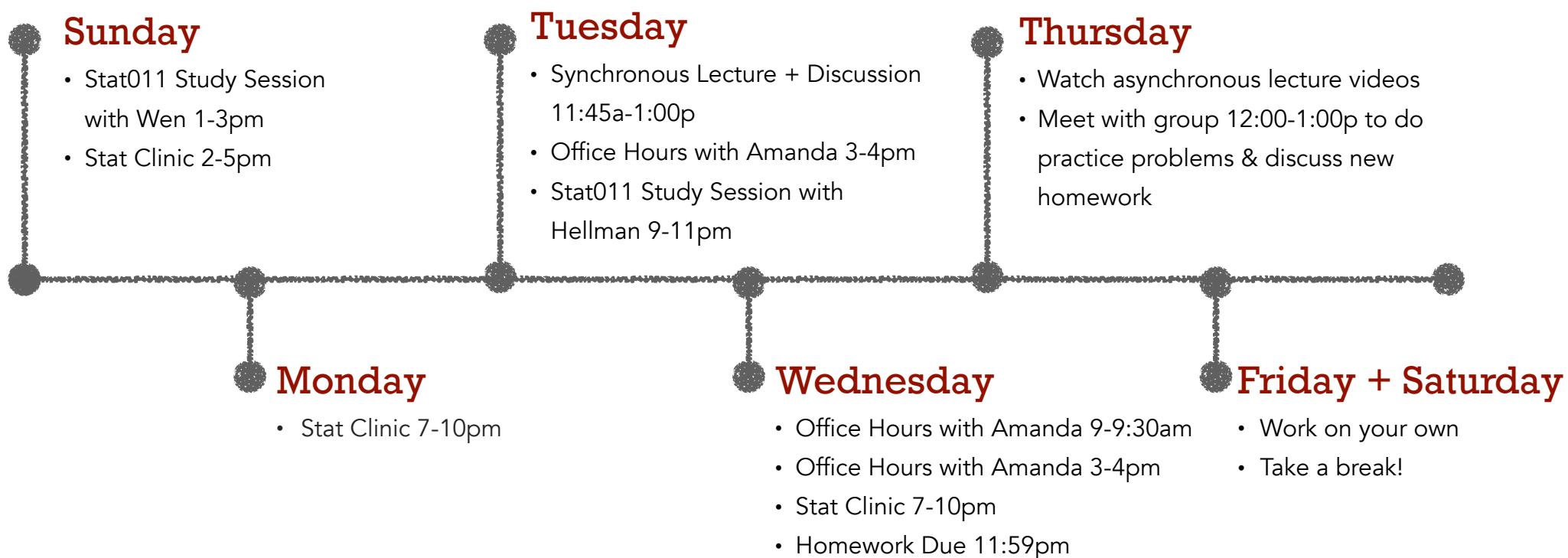
- *Stats: Data and Models* by DeVeaux, Velleman, and Bock
- Writing pad or tablet

Other Tools

- Gradescope
- Moodle
- [Google Drive](#)
- [RStudio Server](#) (+ [VPN](#))
- [Slack](#)



This course is a practical introduction to statistical methods. STAT 011 will prepare you to perform basic data analyses using the statistical software package R. Topics include exploratory data analysis, design of surveys and experiments, hypothesis testing and confidence intervals, and an introduction to linear regression. Applications will be drawn from the humanities, social sciences, public policy, medicine, and the sciences.



Assessment

25% Homework	20% Exams	15% Participation	15% Final Exam	25% Final Project
Weekly-ish, each with 2 parts: (1) Concepts and word problems (2) Data Analysis in R	Exam 1: March 11 Exam 2: April 20 Each with 2 parts: (1) Multiple Choice (timed) (2) Take-home data analysis	Jamboards + presenting + attendance	Cumulative, with same format as first two exams	Group data analysis presentation + paper

At some point, be sure to read the full syllabus for all of the course policies + more tips!