STAT011: Statistical Methods I

Spring 2022 | Swarthmore College | T/Th 8:30 or 9:55

Professor: Amanda Luby
aluby1@swarthmore.edu
www.swarthmore.edu/NatSci/aluby1

Course Zoom Link
Meeting ID:
Passcode:

Office Hours
Tues/Wed 3-4 pm (*tentative*)
On Slack: anytime
By appointment: bit.ly/prof-luby-oh

Textbook
- *Stats: Data and Models* by DeVeaux, Velleman, and Bock

Academic Support
Laura Dandridge
ldandri1@swarthmore.edu
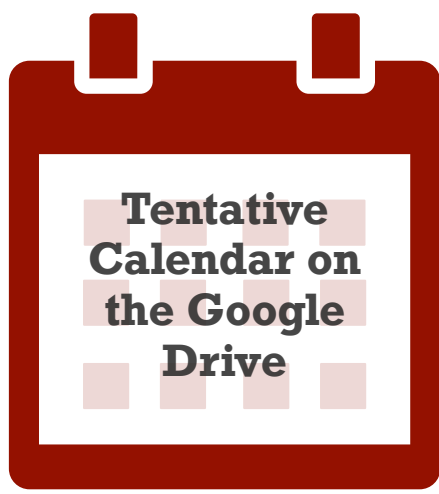By appointment: calendly

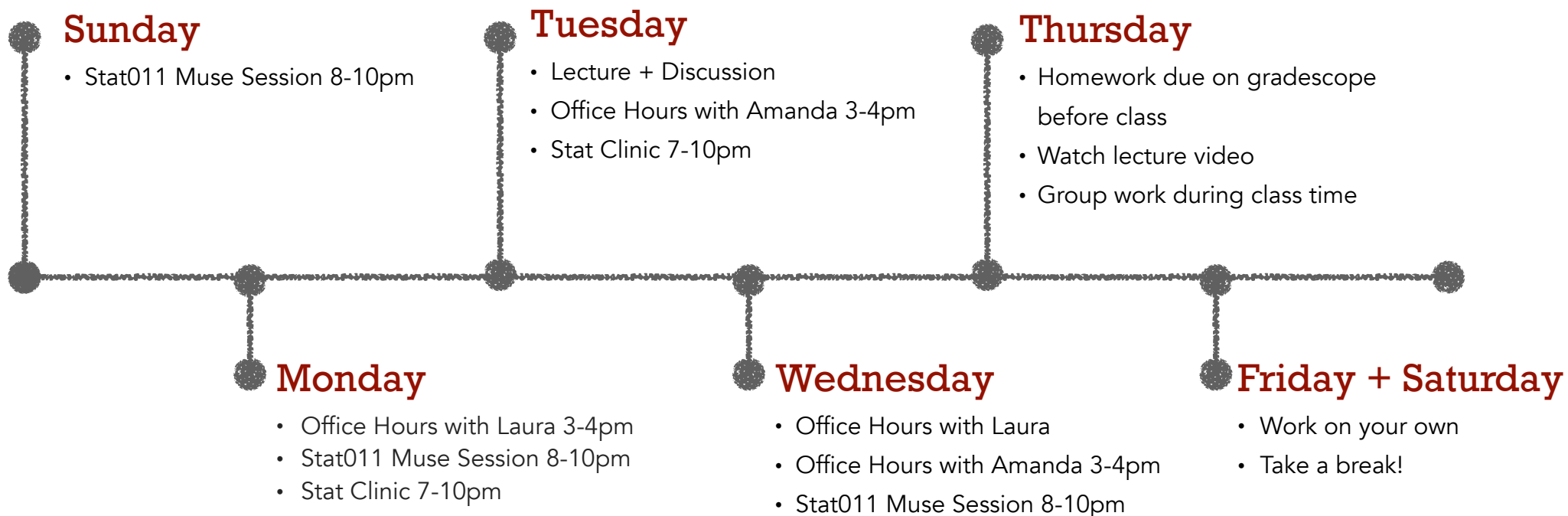## Other Tools
- Gradescope
- Moodle
- Google Drive
- RStudio Server (+ VPN)
- Slack

Tentative Calendar on the Google Drive

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.

Sunday
- Stat011 Muse Session 8-10pm

Monday
- Office Hours with Laura 3-4pm
- Stat011 Muse Session 8-10pm
- Stat Clinic 7-10pm

Tuesday
- Lecture + Discussion
- Office Hours with Amanda 3-4pm
- Stat Clinic 7-10pm

Wednesday
- Office Hours with Laura
- Office Hours with Amanda 3-4pm
- Stat011 Muse Session 8-10pm

Thursday
- Homework due on gradescope before class
- Watch lecture video
- Group work during class time

Friday + Saturday
- Work on your own
- Take a break!

Assessment

30% Homework	20% Exams	10% 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: Feb 24 Exam 2: April 7	Attendance + Preparation + Group work + Class discussions + Etc.	Scheduled by the registrar	Group data analysis poster session + paper

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