STA402L: BAYESIAN MODELING

DUKE UNIVERSITY, SPRING 2026

	Day	Time	Location
Lectures	Wed/Fri	11:45am–1:00pm	Old Chem 116
Lab 1	Thu	1:25pm–2:40pm	Old Chem 101
Lab 2	Thu	3:05pm–4:20pm	Old Chem 101

	Contact	Office Hours	Location
Omar Melikechi	oem2@duke.edu	W/F: 10:00am–11:00am	Old Chem 122
Yihao Gu	yihao.gu@duke.edu	TBD	TBD
Sonya Eason	sonya.eason@duke.edu	TBD	TBD

Course website. https://omelikechi.github.io/sta402spring26/

Textbook. "*A first course in Bayesian statistical methods*" by Peter Hoff. Duke students can download an electronic version for free from Duke Library.

Additional reading (optional). "*Bayesian data analysis*" by Andrew Gelman, John Carlin, Hal Stern, David Dunson, Aki Vehtari, and Donald Rubin.

Homework. Homework assignments are posted on the course website. Homework solutions must be uploaded to the course Gradescope page as a single PDF file. 25% of each assignment's total score will be deducted per day after that assignment's due date. Regrade requests for a particular assignment must be made within one week of receiving your grade on that assignment.

Lab. Lab exercises are to be completed and turned in as part of homework.

Exams. There will be two midterms and one final. The final exam is on Friday, May 1, 2026 from 2:00pm to 5:00pm. There will be no make-up exams.

Course grade. Homework (25%), Midterm 1 (25%), Midterm 2 (25%), Final (25%).