

Syllabus

MATH 2780 Section 101, Spring 2026

TuTh 3:00 am - 4:45 pm, Cudahy Hall 128

Instructor: Daniel Rowe

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Office Hours: TuTh 2:00 - 3:15 pm in Cudahy Hall 313

Textbook: A Second Course in Statistics: Regression Analysis, 8th Edition, by William Mendenhall and Terry T Sincich.

Prerequisite: MATH 1700 or an equivalent introductory statistics course.

Course Description: Basic concepts of supervised learning, simple linear regression, multiple linear regression, diagnostic analysis, model selection, logistic regression, classification and regression trees (CART), random forest and use of statistical software R.

Homework: Homework will be assigned regularly through D2L.
No late homework will be accepted.

Projects: There will be two mid-term projects and one final project.

Project 1: Ch. 1-4 Due **Feb 12**, Project 2: Ch. 5-8 Due **Mar 19**, Final Project: Ch. 9-12 Due **May 7**

There will NOT be any make-up projects. There will not be any extra credit.

Grading Policy: Homework 50%; Project 1 15%, Project 2 15%; Final Project 20%.

The final grade is based the scale:

MATH 2780 Scale:
92% - 100% (A)
88% - 92% (A-)
86% - 88% (B+)
80% - 86% (B)
78% - 80% (B-)
76% - 78% (C+)
70% - 76% (C)
68% - 70% (C-)
66% - 68% (D+)
60% - 66% (D)
56% - 60% (D-)
< 56% (F)

Academic Honesty: This course will expect all students to follow University and College statements on academic honesty found in the Bulletin.