

## **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:

<b>MATH 2780 Scale:</b>
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.