MATH 234 - ADVANCED CALCULUS II

Semester: Spring 2025
Instructor: Ferit Öztürk; *office: tb260-b; ferit.ozturk@boun*

Course webpage: `feritozturk.github.io/here/s25m234.html`

Assistants: Cem Yalım Özel; *office: tb121*
PS schedule tba.
office hours: tba.

Exams & Grading: (35 %) Midterm exam 1   tba
(35 %) Midterm exam 2   tba
(30 %) Final exam   tba

No make-up for midterms unless...
Make-up for final exam covers all topics.
A student may take ONLY ONE make-up.

Course Schedule: Tue @TB310, Thr @M1171; 15:00-17:00

Textbook: *Advanced Calculus*, G. B. Folland; online edition;
free online: sites.math.washington.edu// folland/Homepage/AdvCalc24.pdf

Topics: **R***iemann Integrals*
Multiple integrals,
Change of variables,
Improper integrals
S*tokes's Theorem*
Surface integrals,
Green's, Divergence Theorems
I*nfinite Series*
Convergence tests
F*unctions Defined by Series and Integrals*
Sequences and series of functions,
Examples