

Math 317 syllabus and grading policy

Text

- **Primary Text:** [Feldman and Rechnitzer](#)
 - **Secondary text:** [Whitman](#), primarily chapters 13 and 16
 - **Secondary text:** [Strang](#), primarily chapters 12 and 15
 - **Secondary text:** James Stewart, *Multivariable Calculus Edition 7E*, primarily chapters 13 and 16
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Topics

1. **Vector valued functions of one variable:**
Parameterized curves, velocity, acceleration, arc length.
Includes curvature, normal and binormal vectors, tangential and normal components of acceleration.
 2. **Vector valued functions of several variables:**
vector fields, line integrals, conservative fields, fundamental theorem of line integrals, Green's theorem, gradient, curl, divergence, parameterized surfaces, surface area, surface integrals, Stoke's theorem, divergence theorem.
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Grading

- There will be one midterm, **Friday Oct 13th**
- There will be 5 quizzes
- The final exam is scheduled for TBA. **No calculators will be allowed on any of the exams.**
- **Final grade computation.** It is given by which ever is greater,
 $\text{Quizzes} * 15\% + \text{Midterm} * 35\% + \text{FinalExam} * 50\%$
OR
 $\text{FinalExam} - 10$.
The second option is your **safety net**: even if you perform very badly on the midterm/quizzes, you can still get a good grade in the class by doing well on the final.
- Final grades **will then be scaled** to be commensurate with historical averages.
- X factor: at the end of the grading process, I may move a few grades up by one or possibly two points. These will be awarded based on some X factors: for example, class room participation, extra problems, or drastic improvement over the course of the semester.

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