

Math 251.510
Engineering Math III**Course Description****Catalog Description.**

Engineering Mathematics III. (3-0). Credit 3. Vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Stokes' theorems. Prerequisite: MATH152 or equivalent.

The learning objective of the course is mastery of the material. We will cover much of chapters 11-14 of the text. Topics include three-dimensional analytic geometry and vectors, partial derivatives, multiple integrals, and vector calculus.

Instructor and Class Information

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Exam, Homework, and Quiz Policy

Calculators will not be permitted on examinations. The final examination will be comprehensive. Please bring your Texas A&M student ID with you to all exams.

Online homework via Webassign is required in this class. Homework will be due weekly. For more information regarding online homework visit <http://www.math.tamu.edu/courses/eHomework/>.

No late homework will be accepted for any reason. However the two lowest homework scores will be dropped before averaging.

Short quizzes will be given typically once per week. No make-ups will be given for quizzes, but the three lowest scores will be dropped before averaging.

Exam Schedule

- The midterm examination will be at 7:30-9:30 p.m., Wednesday, February 22 in HELD 113.
- The final examination will be at 1:00-3:00 p.m., Monday, May 7 in HELD 107.

Tentative Schedule

Week 1	§11.1-11.4	Week 6	Midterm	Week 11	§14.4
Week 2	§11.5-11.7	Week 7	§13.2-13.4	Week 12	§14.5-14.6
Week 3	§11.8, 12.1-12.2	Week 8	§13.5-13.9	Week 13	§14.7
Week 4	§12.3-12.6	Week 9	§13.10-13.11	Week 14	§14.8
Week 5	§12.7, 12.8, 13.1	Week 10	§14.1-14.3	Week 15	Review

Make-up Policy

Make-ups are subject to university policy. There are no make-ups for homework and quizzes, but there is provision to drop the two lowest scores (homework) and three lowest scores (quizzes) before averaging. In accordance with university regulations, make-ups for missed exams will be allowed only for a university approved excuse in writing. Whenever possible, students should inform the instructor before an work is missed.

Americans with Disabilities Act (ADA) Policy Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that

all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services Office, in Room B118 of Cain Hall or call 845-1637.

Academic Integrity Statement

An Aggie does not lie, cheat, or steal or tolerate those who do. The Honor Council Rules and Procedures are available on the web at <http://aggiehonor.tamu.edu>.