

Course Syllabus: MAT 282 Calculus II

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Course

Mat 282-WB Calculus II (4 credits)

Instructor Information

Sumithira Sukumar
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office:
phone:

Office Hours

Tutors available in E174.

Text

Calculus 9th Edition, by Larson Houghton Mifflin Company

Prerequisite

C or better in Calculus I (MAT 281) or placement.

Description

This course is a continuation of Calculus I (MAT 281) and begins with a study of numerical integration. Techniques of integration are applied to the following topics: transcendental functions, (including their derivatives), area of region

between two curves, volume, integration by parts, trigonometric substitution, partial fractions, and improper integrals. Sequences and series are examined with an emphasis on determining convergence or divergence. Taylor and Maclaurin series will also be studied. Prerequisite: Grade of C or better in Calculus I (MAT 281) or placement.

Homework

Homework is the most essential part of learning mathematics. You will be assigned text problems for each lecture. Try every homework question, if you get stuck, review the notes and/or consult the textbook. If you are still stuck on a question make a post so that you can ask a class mate. I will review posts throughout the week. You may also contact [Smarthinking](#). Homework will not be collected but is the models for quizzes and exams.

Tutoring

Tutoring is available via instant message 24 hours a day at Smarthinking.com. Your user name is bunkerhillonline and password is online. If you are able to be on campus, tutoring is also available in E174.

Class Participation

Class Participation

You are required to make two posts per week. These posts may be in the form of a summary, one of your interpretations, a question or even an answer to a classmates question. But it should be relevant to the course and thoughtful. Other students will be able to view your posted comments. These posts will count as 5% of your course grade. **Please make all questions about the course material in the form of a post and not by email.** Use email for grading and administrative questions.

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Quizzes

You will have a biweekly quiz consisting of 8 multiple choice questions. These will reflect questions from the homework and examples in the notes.

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Evaluation

There will be a midterm and a final exam that will be held on campus. The percentages for your grade are as follows; quiz average is 35%, midterm 30%, final 30% and class participation 5%. **Any student who does not pass the final exam (70% or better) must retake the course. You may qualify for a single retake of the final only if you have passed the midterm, have a passing quiz average and are up-to-date on your posts.**

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Calculators

Calculators may be used during quizzes but may not be used during mid term or final exam.

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IP Grade

A grade of IP (In Progress) will be assigned only for documented medical or other similar outstanding reasons.

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