

# CALCULUS III

MATH-2163-003

FALL 2008

**Instructor:** Dr. A. Raghuram.

**Contact Information:**

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Office Hours: 1:30 to 3:00 p.m. on Mondays, and 2:00 to 3:30 p.m. on Fridays.

**Course website:** <http://www.math.okstate.edu/~araghur/fall2008/math2163>

**Textbook:** Calculus, 5th Edition, James Stewart.

**Goals, Objectives and Prerequisites of Course:** This is the third course in the basic calculus sequence of courses for scientists and engineers. The prerequisites are Calculus I and II. We will cover most of chapters 13, 15, 16 and 17 from the textbook. This includes vectors and geometry of space; multivariable calculus like partial derivatives and multiple integrals and some applications; some advanced topics from vector calculus.

**Homework:** Homework will be collected once a week and is due in class every Wednesday. No late submissions please. Each homework will be worth 15 pts. In all I expect to collect about twelve or thirteen homeworks in the entire term and the best ten will be taken for grading purposes; and so for a maximum total of 150 pts.

**Exams:** There will be two midterm exams worth 100 pts each. These will be held in class. The dates will be announced in class and well in advance. There will be no quizzes. The final exam will be worth 150 pts.

**Grading:** The break up of points is as follows: Midterm exams:  $100 \times 2 = 200$  pts. Homework: 150 pts. Final exam: 150 pts. The maximum possible total is 500 pts. I do not grade on a curve and what you earn is what you will get. The following table gives the minimum percentages that guarantees the corresponding grades:

60	70	80	90
D	C	B	A

**Attendance:** I will not be taking a daily attendance or roll call. However, you will be responsible for knowing what is discussed and the announcements made in class. It helps to keep in mind that there is a high correlation between attendance and success.

**Tips on doing well:**

- (1) It is essential to keep up what is being covered in class. A general principle to follow is to skim through up-coming section(s). This is extremely helpful and you will not succumb to “what’s going on?” feeling.
- (2) For every hour of class you should devote at least two hours of study time. Doing homework regularly is an easy way of staying with the class and improving your grades.
- (3) Work Hard and Be Happy !!

**Make-Up policy for exams:** No make-up exams will be given for unexcused absences from exams. Substantial documentation justifying the absence will be required and must be acceptable to me. For non-medical emergencies, make-ups will only be given for serious and verifiable reasons.

**Other resources:** For this course you will not need a hand calculator. For exams calculators, cell phones, and other technological paraphernalia will not be allowed. The Mathematics Learning Resource Center (MLRC) can provide tutoring and help with many math courses. For more details go to <https://www.math.okstate.edu/mlrc>

**Students with disabilities:** Please read the paragraph on *Office of Student Disability Services* in the OSU syllabus attachment for Fall 2008.

**Classroom Etiquette:** I will expect a high level of academic decorum to be maintained in class. Everyone should treat each other’s opinions and views with respect. Misconduct in class will not be tolerated. *Academic dishonesty is not condoned nor tolerated at Oklahoma State University.* Please read the section on *Academic Integrity Policy* in the OSU syllabus attachment for Fall 2008.

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*Teachers open the door. You enter by yourself. –Chinese Proverb.*