

# Syllabus for Math 151

## Engineering Mathematics I

### Fall 2005

Sections 501–503

**Instructor:** Volodymyr Nekrashevych

**Office:** Milner 223

**Office hours:** Wednesday 10:30–11:30 AM and Thursday 9:30–10:30 AM or by appointment.

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**Home-page:** <http://www.math.tamu.edu/~nekrash>

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**Class hours:** TR 11:10–12:25      HELD 107

**Sections:**

501	M 12:40–1:30	BLOC 137	W 12:40–1:30	BLOC 125
502	M 1:50–2:40	ANIN 317	W 1:50–2:40	BLOC 130
503	M 10:20–11:10	ENPH 213	W 10:20–11:10	BLOC 130

**Teaching Assistant:** Luke Oeding; email:[oeding@math.tamu.edu](mailto:oeding@math.tamu.edu)

**MATH 151 web page:** The web page of the course is

<http://www.math.tamu.edu/~nekrash/teaching/05F/M151.html>

The Mathematics Department has a web page for Math 151. Its URL address is

<http://calclab.math.tamu.edu/docs/math151>

You can find there: Weekly schedule of the course, suggested homework problems, common exam room assignments, past Math 151 exams, weekly review session schedule, *Week in Review via streaming video* and other information.

**Course Description.** Credit 4. This course will cover vectors in two dimensions, differentiation and integration of functions of one variable, and applications such as work, velocity/acceleration, optimization (max/min), and curve sketching. The course meets twice per week in lecture and twice per week in recitation. One of your recitation meetings is designed to discuss questions over homework or lecture. The other recitation meets in the computer laboratory where the computer package Maple will be introduced. The goal of the laboratory portion of the course is to show how problems that are too difficult to solve hand, can be solved with the help of the computer. The prerequisite for this course is either Math 150 (precalculus) or a good high school mathematics background that includes algebra II, analytic geometry and trigonometry.

**Texts.** *Calculus: Early Vectors*, by Stewart et al, published by Brooks/Cole. The computer laboratory will also use *Calclabs with Maple*, also published by Brooks/Cole.

**Grading.** Your grade will be determined by three exams, a *cumulative* final exam, and a laboratory grade. The weights of each of these are as follows.

Exam I	Exam II	Exam III	Final Exam	Quizzes	Lab reports	Total
150 pt	150 pt	200 pt	250 pt	150 pt	100 pt	1000
Sept. 29	Oct. 27	Nov. 29	Dec. 14	weekly	tba	

Exams I, II and III are common exams (same exam is given for all sections of Math 151) and are administered in the evenings from 7:30-9:30pm. The increased weights of the third and final exams reflect the cumulative nature of the course.

I may curve any grade and will then compute the course grade by the following rule: *A* for at least 900 points, *B* for at least 800 points, *C* for at least 700 points, *D* for at least 600 points and *F* for less than 600 points.

**Make-up policy:** Make-ups for missed quizzes and exams will only be allowed for a university approved excuse in writing. Wherever possible, students should inform the instructor before an exam or quiz is missed. Consistent with University Student Rules, students are required to notify an instructor by the end of the next working day after missing an exam or quiz. Otherwise, they forfeit their rights to a make-up.

**Scholastic dishonesty:** Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see University Student Rules.

Remember the Aggie Code of Honor: “*An Aggie does not lie, cheat, or steal or tolerate those who do.*”

**Copyright policy:** All printed materials disseminated in class or on the web are protected by Copyright laws. One xerox copy (or download from the web) is allowed for personal use. Multiple copies or sale of any of these materials is strictly prohibited.

**Americans with Disabilities Act (ADA) Policy Statement:** The following ADA Policy Statement (part of the Policy on Individual Disabling Conditions) was submitted to the University Curriculum Committee by the Department of Student Life. The policy statement was forwarded to the Faculty Senate for information.

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 B116 of Cain Hall or call 862-4570.