

Math 152 (Calculus II), Sections 504-506

Spring 2011

Instructor: Dr. Mariya Vorobets

Class hours : MWF 10:20–11:10, HELD 107

Web page: <http://math.tamu.edu/~mvorobet/Math152/S11/>

Office: Milner 004 (phone: 845-0849, e-mail: mvorobet@math.tamu.edu)

Office hours: TR 11:15 AM–12:45 PM, or by appointment

Recitations:

504 R 8:00–8:50 CE 006

505 R 9:35–10:25 CE 223

506 R 11:10–12:00 CE 223

Labs:

504 T 8:00–8:50 BLOC 123

505 T 9:35–10:25 BLOC 124

506 T 11:10–12:00 BLOC 124

Teaching assistant: Fang Wang; e-mail: fangwang@math.tamu.edu

Learning Outcomes: This course is to provide students with quantitative and problem-solving skills of integral calculus, power series, and 3-D vectors. At the conclusion of this course, students should be able to:

- Apply techniques of integration to a variety of applications, including engineering applications
- Understand and explain convergence of sequences and infinite series
- Apply power series to a variety of applications, including engineering applications
- Understand and apply vector operations in 3-dimensions, including dot and cross product
- Use Computer Algebra Systems such as Matlab to solve non-routine problems

Prerequisite: MATH 151 or equivalent.

Texts:

- J. Stewart, CALCULUS. Early Vectors, Aggie Edition, Thompson Publishing, Brooks/Cole, ISBN 0534493483
- A. Gilat, MATLAB: An Introduction with Applications, 3rd Edition, Wiley Publishing, ISBN 0470108770

Course Web Page. The course web page will be my main source of communication to you aside from class and office hours. Check the course page regularly for announcements, exam information and the course schedule.

The Mathematics Department has a web-page for Math 152

<http://www.math.tamu.edu/courses/math152/>

Here you can find a description of the course, approximate weekly schedule, past exams, help session schedules and other information.

Email Policy. Check your official TAMU email account EVERY day. You are responsible for any information I send via email. Because of the privacy rights, I cannot discuss grades via email or over the phone. Please include your name and the section number in the subject line.

Online homework. Homework will be assigned online on the Webassign system for each section and will be due regularly. You will be required to purchase an access code for these assignments. Instructions are available at <http://www.math.tamu.edu/ehmwk/>

You may use scratch paper, calculators etc. on the online homework. The deadlines are programmed into the computer system, so submitting your homework well before the deadline is recommended. If you submit your homework late, the computer will automatically give you a zero for the assignment and not record your answers. You are responsible for remembering to do the homework. The lowest five homework grades will be dropped at the end of the semester.

Suggested homeworks. Selected problems from your textbook will be assigned but NOT graded. You are strongly recommended to do all of them which will provide a valuable practice for both on-line HWs and exams. For list of suggested HWs see:

<http://www.math.tamu.edu/courses/math152/currenthw.html>

Computer labs. Computer labs will be assigned in section each week with breaks for the exams. These assignments will be done in a group. Groups will be assigned in section during the first week of classes.

Quizzes. Quizzes will be given regularly, almost every week (except exam weeks) during the recitation meeting on Thursdays. All of them are mandatory, although, a couple of worst grades will be dropped at the end of the semester. That is why, NO MAKE UP QUIZZES.

Each student has to buy pack of 15 ScanTron Forms 815E, and turn in to the TA before the 1st quiz.

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

Exam I	Exam II	Exam III	Final Exam	Homework	Quizzes	Lab reports	Total
15%	15%	20%	25%	5%	10%	10%	100%
Feb. 17	March 24	Apr. 26	May 10	weekly	weekly	tba	

You must bring either your student ID or your driver's license to each of the above exams. There will be no extra credit under any circumstances. Exams I, II and III are common exams (same exam is given for all sections of Math 152) and are administered in the evenings from 7:30-9:30 PM. An examination room would be announced in class and posted on the course website as soon as it is assigned.

A two-hour comprehensive FINAL examination will be given on Tuesday, May 10, at 8:00 - 10:00 in the classroom.

I may curve any grade and will then compute the course grade by the following rule: A for at least 90% points, B for at least 80% points, C for at least 70% points, D for at least 60% points and F for less than 60% points.

Help Sessions and Week-in-Review. The Mathematics Department offers help sessions for Math 152 students on Sunday–Thursday, 8-10 PM in BLOC 117. See

<http://www.math.tamu.edu/courses/helpsessions.html> for more information.

Also there will be a week-in-review conducted by Amy Austin each Monday, 5:45-7:45 PM in HELD 100. Problems will be posted before each session. See

<http://www.math.tamu.edu/~amy.austin/livewirmath152.html> for week-in-review information.

Make-up Policy. No make-ups will be given without written evidence of an official University excused absence (see *University Student Rules*). In addition, you must notify me **NO LATER** than the end of the second working day after the missed assignment:

... the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible (e.g. accident or emergency) the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class. (Section 7.3 of the *University Student Rules*)

*****If no such notice is given, the rights to a make-up are forfeited.** Specifically, in the case of injury or illness, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the injury or illness. I will NOT accept the “Explanatory Statement for Absence from Class” form as sufficient written documentation of an excused absence.

Late Work Policy. Late work (for which you do not have a University approved excused absence) will NOT be accepted. This includes all written and online assignments.

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 I grant permission. If you cheat on an assignment, you will receive a zero. Also, you will be reported to the University.

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

For more information about the Honor Council Rules and Procedures visit the web site: <http://www.tamu.edu/aggiehonor>

Copyright notice. All course materials (both printed and web-based) are protected by U.S. Copyright Laws. No multiple copies can be made without written permission by the instructor.

Students with disabilities. 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 Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>