# Math 151 (Calculus I), Sections 817-820
# Fall 2011

### Instructor: Dr. Mariya Vorobets

**Class hours :** MWF 3:00 – 3:50, BLOC 169

**Web page:** `http://math.tamu.edu/~mvorobet/Math151/F11/`

**Office:** Milner 005, e-mail: `mvorobet@math.tamu.edu`

**Office hours:** MW 9:30 –11:00, or by appointment

**Recitations:**

| | | |
|---|---|---|
| 817 | R 11:10–12:00 | CE 006 |
| 818 | R 3:55–4:45 | BLOC 113 |
| 819 | R 2:20–3:10 | BLOC 123 |
| 820 | R 3:55–4:45 | BLOC 113 |

**Labs:**

| | | |
|---|---|---|
| 817 | T 11:10–12:00 | BLOC 123 |
| 818 | T 3:55–4:45 | BLOC 124 |
| 819 | T 2:20–3:10 | BLOC 123 |
| 820 | T 3:55–4:45 | BLOC 124 |

**Teaching assistant.** Timothy Rainone; e-mail: `rainone@math.tamu.edu`

**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 MatLab 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.**

- 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 151

`http://www.math.tamu.edu/courses/math151/`

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 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. For more information see `http://www.math.tamu.edu/ehmwk/`

**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/math151/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 Thusdays. 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% |
| Sept. 27 | Oct. 27 | Nov. 29 | Dec. 14 | 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 151) 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 Wednesday, December 14, at 8:00 - 10:00 AM 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 151 students. See
`http://www.math.tamu.edu/courses/helpsessions.html` for more information.
Also there will be a week-in-review conducted by Amy Austin. Problems will be posted before each session. See
`http://www.math.tamu.edu/\~amy.austin/livewirmath151.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`