

**MTH 172 – Calculus II**  
**Fall 2015**

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Office Hours: MWF 9–9:50; 11–11:50; TR 1–1:50; drop in, or by appointment  
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Textbook: *Calculus Early Transcendentals*, 7<sup>th</sup> Edition, James Stewart, Brooks/Cole 2012  
Other: Coursepack of class notes available in CRC  
Class notes will be posted on the class Moodle page after class

**Course Prerequisite:** MTH 171 or equivalent with a C– or better

**Course Objectives:**

- ◇ Complete the mathematical foundation for further study in mathematics, basic sciences, or engineering.
- ◇ Provide a thorough introduction to the theory and applications of integral calculus and sequence/series.
- ◇ Develop new problem solving skills and enhance critical thinking abilities.

**Exams and Grading:**

◇ Homework	15%	<b>IMPORTANT: NO EXTRA CREDIT</b>
◇ Exams 1/2/3/4	50%	(each exam 12.5% or 16.67%***)
◇ Gateway Exam	10%	Wednesday, 9/23/15 ( <i>subject to change</i> )
◇ Final	25%	Wednesday, 12/9/15, 10:15–12:15

**Homework**

- ◇ Homework will be a mixture of Webassign and “paper” problems.
  - Self-registration key: stmartin 2124 9606
- ◇ Homework may be done in groups (each student must hand in an assignment).
- ◇ Homework *may* be an in-class assignment. These can not be made up.
- ◇ Assigned problems are on a separate handout as well as on my webpage.
- ◇ Due dates will be announced in class.
- ◇ You **must** show your work to receive full credit (where applicable).
- ◇ **Late homework will be penalized/not accepted.**
  - Homework will be considered late if not in my office by **3:30** on the due date unless prior arrangements have been made.
  - Homework will **not** be accepted after the assignment is returned to the class unless prior arrangements have been made.

**Exams 1/2/3/4:**

- ◇ Make-up exams will **not** be possible without prior arrangements—and the reason for missing an exam must be **compelling** and perhaps more importantly, **documented**. Exams taken after the scheduled date will be more difficult.
- ◇ Exams will resemble homework problems and problems done in class.
- ◇ TI-89’s or higher (or equivalent) will NOT be allowed during exams.
- ◇ \*\*\*The lowest exam 1/2/3/4 score will be dropped **IF**

$$(\text{homework average}) \times (\text{percentage of submitted assignments}) > 50\%$$

### Gateway Exam:

- ◇ Will consist of problems evaluating definite and indefinite integrals **without** a graphing calculator. The Gateway exam is thirty minutes.
- ◇ Like Exams 1/2/3/4, a make-up for the Gateway will **not** be possible without prior arrangements—and the reason for missing the exam must be **compelling** and **documented**.
- ◇ **You must score 75 or better on the Gateway to pass MTH 172.**
- ◇ Students who do not pass will have two additional attempts outside of class.
  - Passing on the second attempt earns 90% of the score.
  - Passing on the third attempt earns 80% of the score.
- ◇ Passing the Gateway does *not* guarantee passing the class.

### Final Exam:

- ◇ Will be cumulative.
- ◇ TI-89's or higher (or equivalent) will NOT be allowed during the final.

### General Philosophy/Attendance:

- ◇ College prepares you for a professional position.
- ◇ In the working world, **you** are responsible for your career and **you** are accountable for your decisions. For example, class attendance is expected (just as you are expected to go to work), but not required.

### Important Dates:

Last Day to Change/Add a Class	September 4, 2015
Labor Day (Holiday)	September 7, 2015
<b>First Exam</b>	<b>September 11, 2015</b> ( <i>subject to change</i> )
<b>Gateway Exam</b>	<b>September 23, 2015</b> ( <i>subject to change</i> )
<b>Second Exam</b>	<b>September 30, 2015</b> ( <i>subject to change</i> )
Fall Break (Holiday)	October 12–13, 2015
<b>Third Exam</b>	<b>October 21, 2015</b> ( <i>subject to change</i> )
<b>Fourth Exam</b>	<b>November 10, 2015</b> ( <i>subject to change</i> )
Last Day to Withdraw From a Class	November 13, 2015
Thanksgiving Break	November 27, 2015
Last Day of Classes	December 3, 2015
Final Exam	December 9, 2015, 10:15–12:15

### Students with Disabilities:

If you need course adaptations or accommodations because of a disability, if you have a medical and/or safety concern to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.

### For those of you who plan to take MTH 271/322/353/357:

If you do not earn a C– or better in MTH 172 this semester, you will **not** be allowed to take MTH 271 (Vector Calculus), MTH 322 (Differential Equations), MTH 353 (Linear Algebra), and/or MTH 357 (Probability and Statistics) until you do earn a C– or better in MTH 172!!