

Math 109-01, Calculus with Review II, Fall 2014
OSS 327 MWF 8:15-9:20

Instructor: Amy DeCelles

Email: adecelles@stthomas.edu

Webpage: <http://personal.stthomas.edu/dece4515/>

Office: OSS 203

Office phone: 2-5695

Office hours: MWF 11-12, Tu 2-3, Th 4-5, and by appointment

Prerequisites: Successful completion (C- or better) of Calculus with Review I (Math 108).

Credits and Workload Expectations: 4 credits: 8-10 hours per week outside the classroom.
Recommendation: 1.5 hours prep for each class, 1 hour practice after each class, 30 minutes review and write after each class.

Course Materials and Resources:

- Textbook: *Calculus I with Precalculus*, 3th Edition, by Larson and Edwards
- WebAssign: online practice problems, etc. Class key: stthomas 3293 6783
- *Mathematica* Software: <https://www.stthomas.edu/irt/students/desktopsupport/software/>
- **Math Resource Center (MaRC, OSS 235)** : free drop-in peer tutoring, group study areas, solution manuals, WebAssign tutorials, *Mathematica* help, ...

Course Objectives:

- Gaining factual knowledge (terminology and methods: basic integration methods, exponential and logarithmic functions, trigonometric and inverse trigonometric functions, differentiation and integration of these functions)
- Learning fundamental principles, generalizations, and theories (measuring continuous accumulation with integrals, fundamental theorem of calculus, etc.)
- Learning to apply course material (modeling with functions, applications of integrals)
- Developing skill in expressing myself orally or in writing (clear written solutions and oral presentations of problems)

Regular Coursework: To prepare for class you will be assigned reading, along with **preparatory work** consisting of reading questions and discussion problems. You will also be assigned online **practice problems** related to material that we have already discussed in class. Online assignments are due one hour before class starts. You are permitted five attempts for each problem. For each topic, you will also write up one **quality solution** to a problem from the book, after you have had a chance to practice similar problems. In-class **participation** and **presentations** will be also be graded.

STEM Learning Communities: All students are encouraged to participate; a full semester of participation will earn you three perfect scores, averaged in to your grade for quality solutions.

Missing Class, Late Work: In-class participation in group work and contribution to class discussions are expected of all students. During class, students will be assigned to write solutions to discussion problems on the board in pairs. Each student may decline twice during the semester without a negative impact on their grade. Reading questions and quality solutions are due at the beginning of class, and late work is not accepted; it may certainly be submitted before the due date, if arrangements have been made with the professor in advance. The scores for the lowest two reading assignments and the lowest two quality solutions will be dropped. Extensions on WebAssign homework may be granted if requested before the assignment is due.

Missed Exams: Make-up midterm exams or quizzes may be given to students with legitimate excuses such as serious illness, university sponsored events, etc., as long as the make-up exam can be taken within a reasonable time frame. If it is not possible to schedule a make-up exam within a reasonable time frame, the grade for the midterm may be prorated from the final exam. Written documentation may be required. Rescheduling the final is not possible except under very extreme circumstances.

Incompletes: Grades of I are normally not given in this course. However, they may be permitted due to extenuating circumstances if (i) the majority of the course work has been completed at a level of C or better and (ii) the student demonstrates the ability to complete the remaining coursework outside of the classroom. In such cases, a well-documented petition must be submitted before the last day of classes. Please see the university policies on [withdrawals](#) and [incomplete grades](#).

Final Course Grade: The overall score for this course will be computed as outlined below. Final letter grades will be assigned based on the overall score, with the two major components, mastery work and exams also being considered separately. In particular, the final letter grade will not be higher than one letter grade above the level of the work on written solutions or the work on exams. Exceptional performance on the final may also be taken into account.

- Preparation, Participation, and Practice (10%): reading questions, discussion problems, boardwork, WebAssign
- Mastery Work (35%): quality solutions, quizzes, formal in-class presentations
- Midterm Exams (30%): tentatively Mon Sept 22, Fri Oct 17, and Mon Nov 24
- Final Exam (20%): cumulative; **1:30-3:30 pm Thurs Dec 18**
- Best Exam (5%): at the end of the semester the score for the best exam will contribute an extra 5% towards the overall score

Disability Accommodations: Qualified students with documented disabilities who may need classroom accommodations should make an appointment with the Disability Resources office. Appointments can be made by calling 651-962-6315. You may also make an appointment in person in Murray Herrick, room 110. For further information, you can locate the Disability Resources office on the web at <http://www.stthomas.edu/enhancementprog/>.