

Math 200-01/04, Multivariable Calculus, Spring 2018
MWF 8:15-9:20 OSS 214 (Section 01), 12:15-1:20 OSS 227 (Section 04)

Instructor: Amy DeCelles

Email: adecelles@stthomas.edu

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

Office: OSS 203

Office phone: 2-5695

Tentative office hours: MWF 9:30-10:30, Th 4-5, and by appointment

Course Prerequisites: Successful completion (C- or better) of Math 114, or its equivalent.

Credits and Workload Expectations: 4 credits: 8-10 hours per week outside the classroom.

Course Materials and Resources:

- Textbook: *Calculus: Single and Multivariable*, 7th ed., Hughes-Hallett, McCallum, et. al.
- *Mathematica* Software: available on computers in OSS or for student download. See <https://www.stthomas.edu/its/students/personallyownedcomputers/software/>
- **Math Resource Center (MaRC, OSS 235)** : free drop-in peer tutoring, group study areas, solution manuals, *Mathematica* help, ...

Course Objectives:

- Gaining a basic understanding of the subject (e.g. factual knowledge, methods, principles, generalizations, and theories)
- Learning to apply course material (to improve thinking, problem solving, and decisions)
- Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course
- Developing skill in expressing oneself orally or in writing

Assignments: To prepare for class you will be assigned reading, along with **reading questions** and **discussion problems**. After we have covered a topic in class, you will be assigned a **problem set**, consisting of the discussion problems and some additional problems. Mastery of the material will be demonstrated through weekly **writing assignments**.

Collaboration and consultation: I encourage you, when working on homework, to collaborate with fellow students, to reread the textbook, and to ask the professor or the MaRC tutors for help. You are also free to consult other textbooks or online resources for general information on the topic. However, you may not consult any worked solution to an assigned homework problem. This includes but is not limited to: the student solution manual, the instructor solution manual, WileyPlus, other students' written homework, and any online solution. If in doubt about the acceptability of a certain kind of collaboration or consultation, ask the professor.

Late Work: Late work is typically not accepted. The lowest three scores in each daily assignment category (RQ, D, P) and the single lowest weekly writing assignment score will be dropped at the end of the semester. Extensions may be granted if requested before the due date, and work may certainly be submitted before the due date, if arrangements have been made with the professor in advance. If there is a serious, unforeseeable reason for missing more than three days of class, it is the student's responsibility to contact the professor as soon as possible and to make appointments with the professor and with Academic Counseling upon returning to classes to make a plan for making up missed work.

Missed Exams: Make-up midterm exams 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 granted due to extenuating circumstances especially 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 should be submitted to the professor 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, writing assignments 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 writing assignments or the work on exams. Exceptional performance on the final may also be taken into account.

- Preparation and Practice (10%): reading questions, discussion preparation, problem sets
- Mastery Assignments (30%): ten writing assignments throughout the semester
- Quizzes (10%): six ten-minute quizzes throughout the semester
- Midterm Exams (20%): tentatively Mon Mar 5 and Wed Apr 18
- Final Exam (25%): cumulative; **1:30-3:30 pm Thurs May 17**, location TBA
- 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: Academic accommodations will be provided for qualified students with documented disabilities including but not limited to mental health diagnoses, learning disabilities, Attention Deficit Disorder, chronic medical conditions, visual, mobility, and hearing disabilities. Students are invited to contact the Disability Resources office about accommodations early in the semester. Appointments can be made by calling 651-962-6315 or 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/>.