Math 2205 Calculus II Section 03
Syllabus – Spring 2015

Instructor: Dr. Stefan Heinz
Office: Ross Hall 214
Email: heinz@uwyo.edu
Phone: 766-4203
Office Hours: MR 11:15 am-12:45 pm or by appointment
Class: MWRF 10:00 am - 10:50 am in CR 103
Course Website: `www.uwyo.edu/calculus/2205`
Section Website: `http://www.uwyo.edu/heinz/teaching.html`

Prerequisites: Grade of C or better in MATH 2200 or equivalent.

Textbook and WebAssign: We use the textbook *Calculus, Early Transcendentals* by James Stewart, 7th Edition, ISBN 978-0-495-96224-3. Also, most of the homework will be done through the software called WebAssign. Go to `www.webassign.net` and register using the class key **uwyo-6594-2740**.

You must purchase access to WebAssign if you have not already done so in a previous semester. The easiest option is to buy access bundled with the textbook at the UW bookstore. You may also buy access directly at `www.webassign.net` after you have set up your account, but this will not come with a hardcopy version of the textbook.

Purchasing a physical copy of the textbook is highly recommended for ease of use and for availability during class. However, an ebook copy will be available through WebAssign to all students.

Homework: In addition to the problems on WebAssign, homework problems may be assigned. These are intended to be written out neatly on paper and handed in.

Exams: All four exams are common to all coordinated sections of Math 2205 and will be administered outside the regularly scheduled class time (see below). Attendance is required and a make-up exam will only be administered in extreme cases and only if there is documentation from a proper authority, such as a note from a physician in the case of illness. University excused absences must be cleared through the Dean of Students Office (766-3296) and with me at least one week before the exam is to be administered.

No graphing calculators will be allowed on the exams.

Grading Policy: Your percentage grade is determined by the following:

WebAssign	12%	
Homework	14%	
Exam 1	18%	Thurs Feb 19, 5:15 pm – 7:00 pm
Exam 2	18%	Thurs Mar 12, 5:15 pm – 7:00 pm
Exam 3	18%	Thurs Apr 16, 5:15 pm – 7:00 pm
Exam 4	20%	Tues May 12, 3:30pm – 5:30pm

The location of the exams will be announced in class the week of the exam.

You can estimate your letter grade by using the following scale: $\geq 90\%$ is an A, $80\% - 89\%$ is a B, $70\% - 79\%$ is a C, $60\% - 69\%$ is a D, and $<60\%$ is an F. Plus/minus grades will not be awarded for Math 2205. You must achieve a C or higher to use this course as a prerequisite for other math courses.

Getting Help: You are encouraged to work in groups as much as possible on homework. Often, having a second perspective helps in the understanding process. Other sources of help include

Supplemental Instruction Sessions: Math 2205 has dedicated sessions through the SI leader Adar Westling. These are informal sessions where students work together to review topics and get help specifically for Math 2205. See the course webpage for more information.

Math Assistance Center: in Ross Hall 29 (northwest corner in bottom floor). This provides walk in tutoring for 1000 and 2000 level math classes.

STEP: There are several places you can receive help for classes, including evening one-on-one tutoring, e-Tutoring, tutors in Washakie and the Engineering Buildings, helps with how to study, etc. See `www.uwyo.edu/step` for more information.

Goals of Math 2205: Calculus, one of the classical topics in mathematics, is the study of change. It is useful both in scientific fields and in applied studies from engineering to the life sciences. The primary goals of this course are to master the fundamental concepts and techniques of integral calculus in one variable, and to develop problem solving and critical thinking skills. By the end of this course, students should be able to

- Use algebraic, graphical and numerical skills and thinking to solve problems that involve concepts of integral calculus.
- Apply integral calculus concepts to a variety of applications, such as computing volumes of a solid, lengths of a curve, or work.
- Use algebraic, graphical, numerical skills, and critical thinking to solve problems that involve the convergence of sequences or series.
- Use parametric or polar representations of functions to analyze problems.
- Manipulate and compare graphical, numerical and algebraic representations of mathematical relationships.
- Read and understand mathematics, think critically, and express mathematical concepts precisely in writing.
- Apply the knowledge gained in this course to other situations and disciplines.
- Be prepared to take Calculus III, Applied Differential Equations I, and/or Elementary Linear Algebra.

Academic Dishonesty and Classroom Conduct: The University of Wyoming is built upon a strong foundation of integrity, respect and trust. All members of the university community have a responsibility to be honest and the right to expect honesty from others. Any form of academic dishonesty (see UW Regulation 6-802) is unacceptable to our community and will not be tolerated.

You are expected to avoid any behaviors that would be disruptive in class. I reserve the right to ask you to leave or to put away any devices that are not helpful should I deem it necessary. Persistence in such behavior may get you dropped from the course. Please see the document entitled *Students and Teachers – Working Together* produced by the UW College of Arts and Sciences for more information.

Disability Statement: If you have a physical, learning, or psychological disability and require accommodations, please let me know as soon as possible. You must register with, and provide documentation of your disability to University Disability Support Services (UDSS) in SEO, room 330 Knight Hall. 766-6189, TTY: 766-3073.

The policies in this syllabus are subject to change. Minor changes will be announced in class and substantive changes shall be communicated in writing.