Math 2210 Calculus III Section 02
Syllabus – Summer 2013

Instructor: Keivan Hassani Monfared
Office: Ross Hall 207
Email: khassani@uwyo.edu
Office Hours: By appointment
MathLab Hours: MW 2:00pm - 3:00pm
Class: MTWRF 12:10pm - 1:50pm in Agriculture Bldg 2018
Class Website: http://uwstudentweb.uwyo.edu/k/khassani/CalculusIIISu2013.html

Prerequisites: Grade of C or better in MATH 2205 or Advanced Placement credit in MATH 2205.

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 6655 7622**.

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 recommended for ease of use and for availability during class. However, an ebook copy will be available through WebAssign to all students.

Homework and Quizzes: 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. Quizzes may also be given in class to check your understanding.

Exams: There are two exams, including a final exam. All exams will be given during class time. Attendance is required when an exam is administered 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.

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

WebAssign Homework Paper Homework and Quizzes	25%	
Exam 1	25%	Friday July 12th
Exam 2	25%	Friday July 26th
Final Exam	25%	Friday August 9th

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. You must achieve a C or higher to use this course as a prerequisite for other math courses.

Course Supervisor: Come to me if you are unhappy about some aspect of the course. In the event that a problem remains unresolved after our discussions, talk to Dr. N. Clements, the Calculus Supervisor, (RH 304, 307-314-9360, calculus@uwyo.edu).

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. You are also welcome to stop by my office or call me at any time to see if I am available. Additionally, the tutors in the Math Lab in Ross Hall 29 (northwest corner on bottom floor) will be able to help you. Math Lab is open MTWR 11:00 am - 4:00 pm (Closed Fridays, July 1, July 2, and July 4).

Finally, Tau Beta Pi, the Engineering honor society, offers free tutoring in many engineering, mathematics and science courses. See wwweng.uwyo.edu/societies/tbp for more information.

Goals of Math 2210: 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 goals are to master the fundamental concepts and techniques of differential and integral calculus in more than one variable, and to develop problem solving and critical thinking skills. By the end of this course, students should be able to

- Demonstrate understanding of the behavior of vectors, vector-valued functions and functions of several variables.
- Use derivatives of multidimensional functions in a variety of applications, such as optimization and curvature.
- Apply the various techniques of multi-variable integration, including changing coordinates, to a variety of applications.
- Understand the various relationships between derivative and the integral, including Green's, Stokes', and the Divergence Theorems
- 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 Applied Differential Equations I and a wide variety of other upper-division math courses.

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.