Instructor: Professor Man-Chung Yeung
Office: Ross Hall 213
Email: myeung@uwyo.edu
Phone: (307) 766-4012
Office Hours: MWF 2:00pm - 3:00pm or by appointment
Class: MTWF 12:00pm - 12:50pm in CR142
Section 08 Website: http://www.uwyo.edu/mathmyeung/math2200/index.html

Course Supervisor: Regarding any difficulties regarding either the content or the administration of this course, you should first consult your instructor. If the instructor is not available or unable to help, you should next contact the Math 2200 Course Supervisor: Dr. Eric Moorhouse, Ross Hall 216, 666-4394, calculus@uwyo.edu.

Prerequisites: The prerequisite for Math 2200 is either a C or better in MATH 1405 or MATH 1450, a Mathematics Placement Exam score of 5 within one year prior to the start of the course, or ACT math score of 27. You must earn a C or better in this course to be admitted in Calculus II.

Textbook and Software: For this course you will need:
- Access to Pearson/MyMathLab. By default, you will register for this access through the WyoCourses site for your section of Math 2200 and you will be billed automatically. Through the UW Bookstore, we have negotiated the best price available for you and this direct access will suffice for the entire course sequence Calculus I-II-III. During the first two weeks of classes, you have the opportunity to opt out of this agreement as explained on the instructions (e.g. if you have already paid for access to MyMathLab, possibly in a previous semester) but after a couple of weeks, opting out will no longer be possible.
- A scientific non-graphing calculator such as a TI-30X.
- (Recommended) A physical copy of the textbook, Calculus, Early Transcendentals by Briggs & Cochran, 2nd Edition, is highly recommended. You will have access to an electronic version through MyMathLab whether you purchase the physical book or not. You are required to read all relevant sections of the textbook preferably before coming to class.

Exams: All four exams are common to all coordinated sections of Math 2200 and will be administered outside the regularly scheduled class time (see below). Attendance is required and a make-up exam will only be administered only if there is documentation from a proper authority, such as a note from a physician in the case of illness. If you know that you will be missing an exam, please talk to your instructor or the course coordinator at least one week before the exam will be administered. If you have any questions about the exam time, please discuss this with your instructor or the course coordinator (calculus@uwyo.edu).

On Exams, you may use a scientific non-graphing calculator. Graphing calculators and notes may not be used on exams under any circumstances. The final exam will be comprehensive. Midterm Exams I, II and III, and the Final Exam are scheduled at the dates/times listed below; and locations will be announced later during the semester.

Homework:

Written Homework: At least weekly you will be assigned written homework out of the textbook or other sources.

MyMathLab Homework: Online homework will be administered through your account with Pearson MyMathLab. It is your responsibility to login to the site regularly and mind the due dates for these assignments, typically one assignment for every 1-2 sections covered in the textbook (every couple of days). On these assignments you will be permitted an unlimited number of tries on each question, using any aids available. Please take advantage of this opportunity to honestly learn the material (i.e. don’t randomly guess at answers, or accept answers directly from other students).

Optional Quizzes/Review in MyMathLab: In addition to online homework, a set of optional review quizzes and practice tests are available through the Pearson MyMathLab software. These are provided to help you in your personal review, and will not count towards your grade in the class. Again, please take them seriously as a means to preparing for the exams.
Grading Policy: Your percentage grade is determined by the following:

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
<td>Thurs Sept 21, 5:15–7:00 pm</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
<td>Thurs Oct 19, 5:15–7:00 pm</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100</td>
<td>Thurs Nov 16, 5:15–7:00 pm</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100</td>
<td>Wed Dec 13, 1:15–3:15 pm</td>
</tr>
<tr>
<td>MyMathLab Homework</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>Written Homework</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>600</strong></td>
<td></td>
</tr>
</tbody>
</table>

You can estimate your letter grade by using the following scale: 90–100% is an A, 80–89% is a B, 70–79% is a C, 60–69% is a D, and 0–59% is an F. Plus/Minus Grades will not be awarded, except in very rare circumstances upon the discretion of the instructor. You must achieve a C or higher to use this course as a prerequisite for other math courses.

How to be Successful in Calculus:

Time Management: Calculus is a Four Credit class. This means you should be spending 8 to 12 hours a week on this course outside of the time in class. Most weeks you will be spending this time on doing your MyMathLab homework, and working on and writing up the Written Homework.

MyMathLab: Students are sometimes tempted to use online calculators and computational engines to compute their online homework for them. Those that use such resources are not using MyMathLab in a way that will help them to learn. Getting a few problems wrong on MyMathLab and then asking for help on that problem will help you to master the material to do well on the exams.

Written Homework: The primary purpose of written homework is to provide feedback on your mathematical writing skills. When you submit your work, make sure that your work is organized, properly spaced out and easy to read.

Getting Help: One of the most important skills a student can learn is recognizing early that they are confused with some concept or skill in the class. Once you recognize you need help, first check through your materials, such as class notes, to see if the answer is there. If you cannot solve it yourself, please seek help. There are lots of resources available to you to help you succeed.

Study Groups: Meet with some of your classmates and help each other with questions. Learning from your peers is one of the best ways to learn.

Office Hours: My office hours (subject to change as noted above) are MWF 2:00pm - 3:00pm. Please seek me outside of class if at all possible; and if these times are not convenient, we should be able to arrange an alternative time. I am here to help you.

The Math Assistance Center (MAC): The MAC is a free drop-in tutoring center for students enrolled in 1000 and 2000 level math courses. It is located in Ross Hall 29 (northwest corner, on bottom floor). They are open Monday-Thursday 10am-5pm and Friday 10am-1pm. It’s also a great place to study, work on homework, or meet with study groups. They have copies of current textbooks for students to borrow while there as well as several desktop computers, a printer, and two study rooms.

Supplemental Instruction (SI): SI is a series of out-of-class study sessions. The SI leader for this course is Venkatesh Deshpande (vdeshpan@uwyo.edu). Weekly sessions and office hour are both held in the MAC. It’s a great way to practice the material and work with other students to master content. For the SI schedule and access to other materials join the SI WyoGroup for this course by going to http://tinyurl.com/uwmath2200.

STEP Tutoring: The STEP Tutoring Program offers walk-in one-on-one tutoring for Calculus students in Coe Library. Hours are Sunday-Thursday 6:00pm to 10:00pm. Check in at the Research Help Desk on the main level. Online tutoring (eTutoring) is also offered. For more information visit http://www.uwyo.edu/studentaff/step/tutoring/

Tau Beta Pi: The Engineering Honor Society provides tutoring for a variety of math and engineering classes. See http://www.uwyo.edu/ceas/current-students/Tutoring.pdf for more information.

Walk-In Academic Coaching The Center for Advising and Career Services in 222 Knight Hall offers walk-in coaching to any student. They can help on a variety of topics, such as Note Taking, Time Management, Exam Preparation, Textbook Reading, Staying Motivated, Managing Finals, etc.
Student Learning Center in Washakie: The Student Learning Center (SLC), located in the lower level of the Washakie Center, offers free academic support services to students on a drop-in basis Sunday through Thursday. Please see http://www.uwyo.edu/reslife-dining/slc/ for more information.

It is important that you try a variety of different services. If you do not receive the help you need at that time, please try it again or try a different service. Don’t be shy. Make sure you get the help you need!

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 Eric Moorhouse, the Math 2200 Supervisor, (RH 216, 307-766-4394, calculus@uwyo.edu).

Goals of Math 2200: This course fulfills the Quantitative Reasoning 2 (QB) or Qualitative (Q) requirement of the University Studies Program. QB and Q courses develop a student’s numerical, logical, geometric, algorithmic and critical thinking skills as well as their ability to integrate these ways of thinking with verbal, written and creative thinking skills. Students will demonstrate mathematical and logical skill needed to formulate, analyze and interpret quantitative arguments in a variety of settings.

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 differential 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 limits and derivatives.
- Apply differential calculus concepts to a variety of applications.
- Manipulate and compare graphical, numerical and algebraic representations of mathematical relationships involving limits and derivatives.
- Calculate integrals using both the definition of the integral, and the Fundamental Theorem of Calculus.
- 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 II.

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. Refer to the A&S College policy document Students and Teachers—Working Together (http://www.uwyo.edu/pols/courses/students-teachers.pdf).

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.

UW Mathematics Redline Attendance Policy: Students who miss both of the first two class meetings may be administratively dropped without warning and lose their place in the course. Students are always responsible for the accuracy of their own schedules.

Students registered for a course that they do not intend to keep should drop it so that the space is available for other students and faculty will have an accurate course roster. In most instances, students are not automatically dropped from a class roster for non-attendance. UW policies and deadlines for drop/add and withdrawal are strictly enforced.

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