**Spring 2014 Math 1410 (002) Calculus I Syllabus**

CRN 20987  
12:00-12:50 MWF  S 139  
12:30-1:20 T  S 139  
Instructor: Dr. Heather Coughlin  
Office: S 109E  
Phone: 667-3444  
E-mail: hcoughlin@csustan.edu

**Office Hours:** Tue 10-10:50; Wed 9-9:50; Fri 1-1:50. *Also by appointment.*

**Warning:** I reserve the right to make changes to the syllabus as needed during the term by announcing them in class and on blackboard.

**Prerequisites:** Math 1080, OR Math 1100, OR their equivalent, with a C- or better.

**General Education:** This course satisfies General Education area B3.

**TEXT:** *Single Variable Calculus, 7th edition* by James Stewart.

**Student Learning Objectives:** We will cover most of chapters 1 - 5. By the end of the course, students will be expected to understand and compute: limits, derivatives, and basic integrals; understand the relationships between limits, derivatives, and integrals; and use derivatives and integrals in various “real-world” applications including related rates and optimization.

**Grades:** This class will be graded using plus/minus grading. Your total course percentage will be translated to a letter grade as follows:

- 90-100%: A- or above, 80-89%: B- or above, 70-79%: C- or above,
- 60-69%: D- or above, 0-59%: F or above.

The *course grade* is based on:

- **Homework:** 15%  
  Due Tuesdays
- **Exam 1:** 18%  
  (Tuesday, February 18)
- **Exam 2:** 18%  
  (Wednesday, March 26)
- **Exam 3:** 19%  
  (Wednesday, April 30)
- **Final exam:** 30%  
  (Wed, May 21, 11:15am - 1:15pm)

**Homework:** Assignments are given in class and will be listed on blackboard. You are expected to complete all problems and understand the concepts behind them. You should consider the problems I assign as the bare minimum. I strongly recommend you do additional problems. The assignments are due, stapled, at the beginning of class every Tuesday. Late homework will not be accepted. See the Homework Guidelines Sheet for further restrictions. I will NOT answer homework questions on Tuesdays for the assignment being turned in. Each assignment is worth 100pts: 30-50 for completeness/adherence to the guidelines, and 70-50pts for accuracy on selected problems. The lowest homework score will be dropped.
**Exams:** There will be 3 in-class exams tentatively scheduled as above. Other information about the exams will be announced in class.

**Final Exam:** The cumulative final exam will be on Wednesday, May 21, 11:15am - 1:15pm in S 139. DO NOT MISS IT!!

**Class Participation:** Attendance is important to your success. You are expected to be an active member of this class. If you must miss class (or are tardy), it is your responsibility to find out what you missed. Any disruptive behavior interfering with the learning environment of others will not be tolerated and may lead to disciplinary action and/or removal from class.

**Late Work Policy:** I have a firm policy of not accepting late work. If alternate arrangements need to be made, you must complete the work before the due date. If you cannot make it to an exam due to documented illness or the like, let me know in advance by phone or e-mail. Make-ups will be given only under these circumstances. I do reserve the right to refuse make-up requests. The only exceptions to this policy are documented medical emergencies and the like (verifiable). I do not give early exams to accommodate vacation schedules, so please make your holiday travel plans accordingly. I do reserve the right to refuse make-up requests.

**Academic Honesty:** I consider academic honesty to be at the core of the University’s activities in education and research. Cheating is an attack on the efforts of myself and fellow students and, above all, on the cheater’s integrity. Those caught cheating will be dealt with to the full extent allowed under University policy including, but not limited to, receiving a zero score and reporting to the Coordinator of University Discipline.

**Cell Phone Policy:** During class time, your cell phone, or equivalent, is to be silenced and out of sight. Any use of a cell phone during class may result in your removal from the class for that day. If you attempt to use your cell phone during an exam, I will consider you to have finished your test and will collect your exam at that time. Exceptions may be made only if you discuss your situation with me prior to the start of the exam, in this case, your cell phone must be set to vibrate/silence or quietest agreed upon setting.

**Accessibility:** I strive to make my courses as accessible as reasonably possible. I will work within reason to make appropriate academic accommodations as necessary. Academic accommodations are available to students who are registered with the Office of Disabled Student Services. Students must file all appropriate paperwork and Disability Resource Services (MSR 210, 667-3159) and notify me of the appropriate accommodations.

**Students in Athletics:** If you are a student athlete, it is your responsibility to provide me with a letter signed by your coach listing all of the days in which you will be absent. Accommodations will be made only if I receive the letter from your coach at least 7 business days in advance, with appropriate exceptions for the first seven business days of class.
Supplemental Instruction (SI): This semester we have the amazing opportunity to offer Supplemental Instruction (SI) for Calculus I. We are offering (two sets of) two 50-minute sessions per week. One of the two SI Leaders (who are trained senior mathematics majors) will be attending our class as a student on Tuesdays.

SI offers facilitated group-centered activities designed to strengthen your calculus knowledge and study skills. With more than 30 years of research in the US, it has been shown that students who regularly attend/participate in SI tend to earn grades a full letter grade higher than those who do not. It is not tutoring, and is not homework question sessions. Though, you will be able to bring questions, simply not homework questions. All students are highly encouraged to attend.

SI Sessions: Locations and times will be announced in class later this week.

Note: Due to the funding grant requirements for SI, your attendance in SI sessions will be taken. Additionally, your performance on exams and your final course grade will be used, anonymously, for comparison purposes in evaluating the SI program. Anonymous means that you will be assigned a number, and all information will be recorded by your number and not your name, not your student ID number. If you have questions, contact Dr. Coughlin (hcoughlin@csustan.edu), in Science I, Room 109E.

MDTP (Mathematics Diagnostic Testing Project): During the second class period (Tuesday, January 28, 2014), each student will take the MDTP Calculus Readiness diagnostic exam. The purpose of the diagnostic is to test your precalculus knowledge. We will use the results to determine your level of need to participate in the ALEKS supplement described below. This would be in addition to your possibly attending the SI sessions described above.

ALEKS: Traditionally, prerequisite knowledge is a huge struggle for students in calculus. The major reason students cannot pass calculus is that they have not mastered the necessary precalculus (college algebra and trigonometry) skills to be successful in calculus. Therefore, we highly recommend participating in a 6-week ALEKS online course designed to refresh and boost your precalculus knowledge. For those students that score below a certain level on the MDTP test, we STRONGLY encourage you to take the ALEKS course. The cost is less than $45 for six weeks. Information on the cut score on the MDTP to take ALEKS will be given at the end of the week, as well as instructions on how and where to purchase ALEKS.
General Suggestions:

- Don’t use the fact that I drop one homework to blow it off. You might need the drop later on in case you get sick or do not do well. You will also need to know that material for the exams!

- Some of the homework exercises may be time consuming, so DO NOT put off the homework until the last minute.

- Keep all homework assignments. They are the best study materials for the exams.

- Participate in class, ASK QUESTIONS, make use of my office hours. The material really builds on the sections previous to it, so it is important for you to understand the previous and current sections before trying to understand the next section. If you get behind or stuck, see me or work with other students RIGHT AWAY.

- Form a study group with others in the class. Work together on homework but everyone must join in and work. *Know the difference between valid group work and plagiarism.*

- If you think you’ll need extra help, get it ASAP!

Important dates: (See Schedule of Courses or Academic Calendar)

- Last day to drop a class: Feb 7
- Last day to change grade options (CR/NC): May 2
- No classes: March 31, April 21-25

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Math 1410 Homework Guidelines

- Write clearly on 8.5 × 11 paper. You may write in either pencil or pen (though I highly recommend pencil). If you use ink that bleeds through or write hard, please use only one side of the paper. If you use a spiral notebook, tear off those annoying little tabs (failure to do so will result in a 10 point deduction).

- Work in NEAT column(s), at most 2 per side this is not a contest to see how much you can fit on one piece of paper. Leave at least one line between problems.

- Always write the problem number and enough of the statement of the problem to know what is being solved. This will aid you in studying for exams.

- If the problem involves several steps, either circle, box, or highlight your final answer. The grader may deduct points if he/she doesn’t know where your problem ends.

- **Show your work correctly and clearly.** No one should have to squint at, or decipher what you have written. Not only will the grader have to read your assignments, you will have to study from them. If you make a mistake, erase it completely or cross it out neatly. Note: if the grader cannot read your homework she/he will not grade it and will give you no credit for the assignment.

- If the problem involves a graph or drawing, sketch it neatly and label appropriately. Graphs should be big enough so that the graph and the labels are clearly understood. Feel free to tape or glue graphs/drawings into your homework (say if you use graph paper), or attach graphs/drawings at the end of your assignment with the reference clearly stated in the appropriate problem.

- If you use your calculator significantly for a problem, state what you punch in and the answer the calculator gives you. Please note that you will be given no credit if the problem calls for an exact answer and you state a calculator approximation.

- “**Explain**” means one or two sentences. All will be graded for grammar and spelling.

- **Staple** all pages together. I will not bring a stapler to class; it is your responsibility to have your homework stapled. Failure to staple homework will result in a deduction of 5 points.

- Please **print** your name, and the HW number and/or sections due at the top right corner of the top sheet. Do not fold your homework.

- You should consider the problems I assign to be the absolute minimum work given to help you grasp the material. You should do as many problems as needed so you feel comfortable with the material. You may ask me about any problem, whether it is assigned or not.

- It might be a good idea to work out some of the problems on scratch paper as a rough draft, and then re-write a neat final version. That way if you get stuck on a problem in the middle, you don't have to leave a blank space for it and then run out of room when you go back to finish the problem.