Math 150: Single Variable Calculus  
Spring 2014 Sections 1-6  

Instructor: Renee Thompson  
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Phone: 619-594-1665  
Office: GMCS 592  
Office hours: MWF 8am-8:50, MW 1:00-1:50 or by appointment 
Lecture: 
- MWF 9:00 – 9:50 SEE 1401 - sections 1-3  
- MWF 12:00-12:50 GMCS 301 - sections 4-6  
GTA: Saenal Kim  
Office: GMCS 528  
Office Hours: W 1:00-2:00, Th 10:30-11:30  
Email: saenalkim90@gmail.com

Course Description: From Catalog: Algebraic and transcendental functions. Continuity and limits. The derivative and its applications. The integral and the fundamental theorem of calculus. Knowledge of algebra, geometry, and trigonometry as demonstrated by either (1) satisfactory completion of Mathematics 141 with a grade of C (2.0) or above; or (2) satisfaction of the Entry-Level Mathematics requirement and qualification on the Mathematics Departmental Precalculus Proficiency Examination. Proof of completion of prerequisites required.

Student Learning Outcome Statements
Students will be able to identify different types of functions by their graphical and algebraic representations, and make inferences about properties such as limits at infinity, asymptotes, discontinuities, and inverses.

Develop conceptual understanding and procedural proficiency regarding the introductory ideas of measuring rates of change.

By the end of the course students will be able to explain geometric, algebraic, graphical and real-life interpretations of the derivative and integral.

Text (required): Calculus: Early Transcendentals 10th ed. By Anton, Bivens, and Davis. This text is available in hard copy or online through the publishers. There will be a WileyPlus registration code with your text (or for purchase online) that you will need to set up a WileyPlus account to access homework assignments and other features offered by the publisher. Homework assignments will be completed online. You will access WileyPlus via Blackboard.

Homework: All homework is done through the WileyPlus website. You will access this through our class page on Blackboard. You will need to register/enroll in Wileyplus through Blackboard as well. Research shows that doing homework improves understanding and overall success (duh!). You will be given multiple opportunities (5) to input the correct answer. Problems completed after the due date but prior to the date of the final exam are good for half-credit

Tutoring: There is a math tutoring lab available. Location/Schedule: TBD  
Students are also encouraged to use other sources to help prepare for this class. These include (but are not limited to) online sites (google, youtube, itunes, WolframAlpha, etc), private tutors, study groups, etc. but work must be you own.
Grades Breakdown:  
- Homework 10%  
- Quizzes (best 5 out of 6) 10%  
- Midterms (best 4 out of 5) 60%  
- Final Exam: 20%  

Course grades:  
93-100% A,  
90-92% A-,  
87-89% B+,  
83-86% B,  
80-83% B-,  
77-79% C+,  
70-76% C,  
67-69% D+,  
60-66.44% D  
0 – 59% F.  

Note, there is no C- or D-. There is also the opportunity for a lab attendance bonus added to your final semester percentage of 2% for 0-1 absents and 1% for 2-3 absents from the lab. Four or more absents from lab is no bonus.

We will be covering Chapters 1 – 5 in the text. But, we will start with a little review of trigonometry and some function concepts. The tentative course outline is:

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**THIS SCHEDULE SUBJECT TO CHANGE**

<table>
<thead>
<tr>
<th>Week</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Wed/Thur lab</th>
<th>Fri</th>
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<tbody>
<tr>
<td>1</td>
<td>1/20/14</td>
<td>Intro/Graph/Fn Comp</td>
<td>Quiz 0/Intro to WileyPlus</td>
<td>Exp &amp; Log fns/Inv Fns</td>
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<td>2</td>
<td>1/27/14</td>
<td>Trig Values/Intro to Calc/1.1</td>
<td>1.1/1.2 Last day to add/drop</td>
<td>1.2/1.3</td>
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<tr>
<td>3</td>
<td>2/3/14</td>
<td>1.3/1.4 Last day to add/drop</td>
<td>Quiz 1/1.5</td>
<td>1.6</td>
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<td>2/10/14</td>
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<td>2.2</td>
<td>Review for Ex 1</td>
<td>Exam 1</td>
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<tr>
<td>5</td>
<td>2/17/14</td>
<td>2.3</td>
<td>2.4</td>
<td>Quiz 2</td>
<td>2.5</td>
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<td>6</td>
<td>2/24/14</td>
<td>2.6</td>
<td>3.1</td>
<td>review for Ex 2</td>
<td>Exam 2</td>
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<tr>
<td>7</td>
<td>3/3/14</td>
<td>3.2</td>
<td>3.3/3.4</td>
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<td>3.4</td>
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<td>3.6</td>
<td>4.1/4.2</td>
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<tr>
<td>9</td>
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<td>4.3</td>
<td>Ex 3</td>
<td>No Class (NCAA tourny)</td>
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<td>10</td>
<td>3/24/14</td>
<td>4.3/4.4</td>
<td>4.5</td>
<td>Quiz 4</td>
<td>4.5/4.6</td>
</tr>
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**SPRING BREAK**

| 11   | 4/7/14 | 4.8 | 5.1 | Review for Exam 4 | Exam 4 |
| 12   | 4/14/14 | 5.2 | 5.4 | Quiz 5 | 5.5 |
| 13   | 4/21/14 | 5.6 | 5.3/5.9 | 5.7 |
| 14   | 4/28/14 | 5.8 | Review for Exam 5 | Exam 5 |
| 15   | 5/5/14 | Review for Final Exam | Review for Final | Thur/Last Day of classes/Review for Final |

Final Exam: Saturday May 10: 8:00 - 10:00am room TBD

**Expected behavior:**  
This is a large class so any un-“classlike” behavior will not be tolerated. Students are expected to treat the instructor, TA, and their fellow students with respect. This includes, but is not limited to, arriving on time, not leaving early, not talking during the lecture or when a classmate is asking or answering a question. Angry, resentful, or disrespectful comments spoken in class diminish class morale and weaken the enjoyment of the class.
No cheating of any kind will be tolerated. This includes plagiarism in written assignments, copying others’ work during exams and passing others’ work as one’s own. Sanctions that align with University policy will be assigned based on infraction.

THIS IS MY BIGGEST PET PEEVE: You must leave your cell phone off or silent (no vibrate or ringtone). If you are observed texting during class, you will be asked to leave. I understand situations may present themselves where you may need to respond to a call, but you MUST inform the instructor prior to the start of class if that is the case.

EXAMS AND QUIZZES: You will not be permitted to use any electronic devices on exams or quizzes. While I do drop your lowest exam score, you MUST take all 5 exams. I do not curve exam grades (except for the Final exam). What I do offer on exams is the opportunity of doing test corrections, in my office, in my presence or with the TA. You will have one week from the date the exam is returned to do the corrections except for the Chapter 5 exam, you will only have until May 8th. Corrections will earn back half the points you missed on each problem you received less than full credit. The only problems not eligible are the extra credit problems that are offered on each exam.

Accommodations for students with disabilities: The instructor of this course enthusiastically supports the work of Student Disability Services in providing authorized accommodations for eligible students. Therefore, students who receive SDS accommodations are encouraged to identify themselves to the instructor. It is critical that all students understand that the instructor will respect and accommodate a student’s particular needs and work to protect all students’ confidentiality regarding disability or other personal hardship issues.

Student privacy and intellectual property: Federal Law (FERPA) imposes important obligations on instructors to ensure the confidentiality of student grades and other evaluation of student work. The instructor of this course will not distribute or post grades in a way that allows anyone other than the individual student to access them. In addition, university policy grants to students intellectual property rights to work products they create as part of a course unless they are formally notified otherwise.

Any amendments to this syllabus will be announced either in class or via Blackboard.

I do hope you are all successful in this course. Not to discourage you but the fail rate for Calculus I is, unfortunately, very high. This course is a prerequisite to many other courses which means you must achieve a C or better to move on (a C- is not good enough). As with so much in life, you get out what you put in. So, put your best effort into this and all of your classes. I will be available as much as I can outside of class (and office hours) to help.