Date: Fall 2013
Course Title: Calculus and Analytic Geometry I
Course Number: MTH 190

I.   Faculty Information

- A. Instructor: D. Monbrod
- B. Office Location: 4148 U
- C. Mailbox Location: 4148
- D. Phone: 708-596-2000 ext. 2342
- E. Office Hours: _____
- F. Email: dmonbrod@ssc.edu
- G. InfoPage: The syllabus can be viewed here http://learn.ssc.edu/dmonbrod

II.   Course Identification

- A. Credit Hours: 5
- B. Total Contact Hours: 5 – Lecture;   0 – Lab
- C. Days/Hours/Place Course Meets: TTR 7-9:20PM Room 4254
- D. Prerequisite: Qualifying score on the placement test or MTH 169 with a grade of "C" or better and successful completion of high school geometry or MTH 096. (A grade of "B" or better in MTH 169 is recommended.) This is a college transfer course. Consult the Transfer Center for more details.
- E. Catalog Description: Basic terminology, limits, derivatives of algebraic and trigonometric functions, applications of the derivative, antiderivatives, definite integrals and applications of integration. A graphing calculator is required. Symbolic manipulators are not permitted on tests and quizzes.

III.   Textbooks/Supplies

- A. **Required**: *Webassign* access code. The text we are using will be viewable within Webassign.com. Exercises within Webassign are based on Larson, Roland E. and Edwards, Bruce H. Calculus of a Single Variable, 9th ed., Brooks/Cole, 2010.

  Webassign course id: **southsuburbancollege 9953 4585**

- B. **Optional** A hardcopy version of the text is not required but can be purchased either in the SSC bookstore or elsewhere. Some students purchase an older edition of the text for reference.
- C. **Required**: Any version of TI83 or TI84 graphing calculator or its equivalent. No symbolic manipulators allowed.

IV.   Course End Competencies

The student will be able to:
A. Analyze mathematical problems in order to formulate a correct problem-solving approach.
B. Integrate the necessary algebraic skills with the theory of calculus to arrive at the appropriate conclusion.
C. Find derivatives of algebraic, exponential and logarithmic functions.
D. Find both definite and indefinite integrals and use them in applications.
E. Use a calculator to find numerical integrals and derivatives.
F. Identify the correct use of symbols of calculus.
G. Translate symbols into verbal form and verbal form into symbolic form.
H. Give the meaning of symbols in own words and use symbols in a new situation.
I. Translate calculus problems into symbolic form.

V.   Classroom Policies/ Procedures

A. A student who does not officially withdraw from the course by the deadline set by the College will receive whatever grade they have earned. This may be a grade of "F".
B. No food or drink is allowed in the classroom.
C. **ATTENDANCE IS REQUIRED**. If you must miss a class, it is your responsibility to find out what you missed that day.
D. Tardiness: :
   - Keep in mind that most quizzes will be given at the start of the class period.
   - If a quiz or test is in progress when a student comes in late, that student will not be given extra time to work on the quiz or test.
   - If a student arrives late during a test after another student has finished his test and left the room, the late student will not be allowed to take the test and will receive a zero on that test.
   - No one is allowed to leave the room during a test or quiz unless you have a doctor's note describing the medical condition that necessitates your leaving.

E. Cheating: All graded work including tests, quizzes, assignments, and homework is to be done by the individual student alone unless it is stated that group work is allowed. Tests and quizzes are closed-book and closed note. No person is allowed to use a cell phone or any other mobile device, including the classroom computers, while taking a quiz or test. Any person implicated in cheating will receive a score of zero (0) on the test/quiz/assignment for the first incident. A student's second incidence of cheating will result in a failing grade for the course. Take-home assignments are to be done by the individual alone. (A student may be asked to explain his or her work as a verification of authenticity.) In addition, all students must adhere to SSC's **Academic and**

Student Codes of Conduct, which can be found in the current college handbook.

The following are disruptive and not allowed in class:

- Eating food or drinking beverages.
- Using cell phone devices during class time—texting, surfing, calling, etc.
- Using electronic music playing devices with or without ear phones.
- Talking loudly (at a level that interferes with the instructor's speaking) while the instructor is speaking to the class or while a student is trying to talk to the instructor
- Talking during a test or quiz.
- Sleeping
- Children are NOT allowed in the classroom. Children are NOT to be allowed in hallways unless accompanied by an adult.

Anyone who violates these rules may be asked to leave the class for the period and will be counted as absent.

VI.   Grading

A. **Tests**: There will five unit tests and a comprehensive final exam. Tests will be announced about a week in advance. **NO MAKE-UP TESTS WILL BE GIVEN FOR ANY REASON. NO EXCEPTIONS.**
If your final exam score is higher than your lowest unit test score (not including a zero gotten as a result of cheating), then the final exam score will replace that unit test score in the average of the unit tests. If a student misses an exam, then 90% of the final exam score will be used in place of the zero unit exam score. If and when multiple choice/scantrons are used on tests, after a test is turned in, you will not be allowed to change the scantron answers for any reason. Make sure you select the answer you want *before* you turn in the test. The **FINAL EXAM IS MANDATORY**. If there is a valid reason, a student may arrange to take a scheduled test ahead of time if time that is convenient for both instructor and student can be arranged.

B. **Quizzes**: There will be about 6-10 quizzes given in class throughout the semester. These quizzes will normally be given about every week-and-a-half, and they may or may not be announced in advance. **NO MAKE-UP QUIZZES WILL BE GIVEN FOR ANY REASON**. **NO EXCEPTIONS.**
With the exception of a zero gotten as a result of cheating, *the two lowest scored quizzes will not be counted in the quiz average.*

C. **Homework**: Assignments will be completed on the Webassign website. To receive credit for the Webassign homework, you must keep a record of your homework assignments to turn in. For problems that require written work you must keep a neat and detailed record of your work to turn in at the time of each test. If a student does not turn in this written portion of the homework,

that student will not get credit for the electronic portion of the homework. Students should strive to have the problems done before the next class meeting whenever possible, although the due date will be at the time of the respective unit tests. Your progress on the homework exercises will have a big impact on your success in this class, as we will discuss some of the homework in class and you will be tested and quizzed on the underlying concepts covered in the homework exercises.

D. **Extra Credit**: Will be announced if any becomes available.

E. Grade Breakdown

		Scale Used
Tests	60%	A 90-100%
Quizzes	5%	B 80-89%
Homework	10%	C 70-79%
Final Exam	25%	D 60-69%
		F 0 – 59%

VII. Help

Keep in mind that you need to study on average 2 hours outside of class for every 1 hour the class meets.   Free tutoring is available in the Academic Assistance Center (2264). Come to class prepared to ask/answer questions. Discuss homework with your classmates when possible. Forming study groups can also be helpful. We may not have time during class to answer all of your questions regarding homework.   Do not wait until you fail a test or quiz before you seek help. See me during office hours for help.

VIII.   Schedule/Outline*

Tuesday	8/20	1.2, 1.3
Thursday	8/22	1.4
Tuesday	8/27	1.5, 2.1
Thursday	8/29	2.2
Tuesday	9/3	2.3
Thursday	9/5	**Test 1 on Chapter 1 Chapter 1 HW Due**
Tuesday	9/10	2.4
Thursday	9/12	2.5
Tuesday	9/17	2.6
Thursday	9/19	3.1, 3.2
Tuesday	9/24	3.3
Thursday	9/26	**Test 2 on Chapter 2 Chapter 2 HW Due**
Tuesday	10/1	3.4
Thursday	10/3	3.5
Tuesday	10/8	3.6
Thursday	10/10	3.7
Tuesday	10/15	3.8, 3.9
Thursday	10/17	4.1, 4.2
Tuesday	10/22	4.3
Thursday	10/24	**Test 3 on Chapter 3 Chapter 3 HW Due**
Tuesday	10/29	4.4
Thursday	10/31	4.5, 4.6
Tuesday	11/5	5.1
Thursday	11/7	**Test 4 on Chapter 4 Chapter 4 HW Due**
Tuesday	11/12	5.2
Thursday	11/14	5.3
Tuesday	11/19	5.4, 5.5
Thursday	11/21	5.6
Tuesday	11/26	5.7, 5.8
Thursday	11/28	**No Class. Thanksgiving Holiday**
Tuesday	12/3	Review
Thursday	12/5	**Test 5 on Chapter 5 Chapter 5 HW Due**
Tuesday	12/10	**Final Exam 7- 8:50pm**
Thursday	12/12	Class does not meet

* Instructor reserves the right to alter the schedule if necessary to meet the needs of the class.

Math 190 Survey/Agreement

Name: _____

Have you met the prerequisites for this course? YES_____   NO_____. If no, you need to withdraw or explain why you are here_____.

Most recent math class taken: _____ When: _____
Where: _____Final grade received: _____

Intended Major: _____

Your next intended math course: _____

Average hours per week you plan to spend doing math homework: _____

Relevant comments:

Agreement

I have read and understand this syllabus and agree to abide by the rules, guidelines, and conditions outlined in it.

Student's
Signature_____Date_____

Return completed and signed survey to the instructor.