This course is the first of a three-course sequence consisting of MAC 2311, MAC 2312, and MAC 2313. This course includes the study of limits, differentiation and integration of algebraic, trigonometric and transcendental functions, and L'Hospital's rule. Course placement standards are available at Mathematics Course Performance Standards and in the math labs.

PREREQUISITES
MAC 1140 Precalculus and MAC 1114 Trigonometry or MAC 2147 Precalculus Algebra/Trigonometry with a grade of “C” or better or equivalent. Student enrollment in any mathematics course is contingent upon approval of the mathematics department. This means that students who have been misplaced may have their schedule changed. Students already with credit for MAC 2311 cannot subsequently get credit for MAC 2233.

TEXT
Calculus – Early Transcendental Functions, 8th Custom edition, Stewart-Pirnot-Özgener

MATERIALS
A graphing calculator is required; the TI-83 or TI-83 Plus or TI-84 Plus is strongly recommended and may be used during tests with the exception of those calculators with symbolic manipulation capabilities (e.g., TI-89, TI-92).

ADDITIONAL MATERIALS
There is a solution manual available in the bookstore. The manual contains solutions to selected problems from the exercise sets in the text. Tutoring is available in the Academic Resource Center (ARC).

TESTS
There will be four tests and a required comprehensive final exam. NO MAKE-UP TESTS, EXAMS, or QUIZZES WILL BE GIVEN.

GRADING
Your grade in the course is determined by the percentage of points earned during the semester. A grade of 60% or higher must be earned on the final exam in order to earn a grade of A, B, or C.

<table>
<thead>
<tr>
<th>POINTS</th>
<th>4 EXAMS</th>
<th>90 - 100% A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quizzes/Participation/Projects/Homework*</td>
<td>80 - 89% B</td>
</tr>
<tr>
<td></td>
<td>Final Exam (cumulative)</td>
<td>70 - 79% C</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>60 - 69% D</td>
</tr>
</tbody>
</table>

*Your instructor will choose the composition of these points

LATE WORK
No late work may be turned in for credit unless permission given by the instructor.

GORDON RULE
This course meets the Florida State Board of Education Rule Number 6A-10.30. For the purpose of this rule, a grade of “C” or better shall be considered successful completion.

ATTENDANCE
All late arrivals, early departures and absences must be discussed and cleared with the instructor. More than 3 hours of absences or excessive tardiness may result in your withdrawal from the course.

NO-SHOW POLICY
Students who do not drop a course that they have never attended will be reported as a No-Show by the course instructor during the No-Show period. This drop may have financial aid implications for the student who is dropped.

ELECTRONICS POLICY
Cell phone etiquette must be observed: In-class usage is restricted to emergency situations - this includes texting. Cell phones are not to be used during tests, not even as a calculator. Inform the instructor before class of any extenuating circumstances. The use of mobile devices (cell phones, beepers, tablets and other smart devices) in the classroom is determined by the
faculty member’s mobile device use guidelines for that particular class. Each faculty member
determines the acceptable
use of mobile devices in the classroom, from requiring the device be turned off to allowing the
use of mobile devices in classroom projects. Adhere to the expectations communicated by the
faculty member for that course.

**MISCONDUCT**

Students are required to adhere to statements regarding student misconduct outlined in official
State College of Florida publications including the Catalog and the Student Handbook. The
minimal consequence of failure to adhere to these statements is withdrawal from the course.

**TECHNICAL SUPPORT INFORMATION**

For technical issues with Canvas, contact Canvas technical support by clicking the question
mark icon in the lower left hand corner of the Canvas window and choosing “Report a Problem”
or “Chat with Canvas Support.” Also, Canvas support can be contacted via phone at 844-920-
2764.

For technical issues with My SCF, contact SCF technical support by calling 941.752.5357 or
emailing helprequest@scf.edu.

For technical issues with the publisher site, contact their technical support by
- MML 1.800.677.6337
- Connect 1.949.390.2095
- WebAssign 1.800.955.8275

**PROHIBITING RECORDING DEVICE**

The use of recording devices during class is prohibited, except when the use of such devices is
approved as an accommodation through the college Disability Resource Center. In such cases
the student must provide a copy of their Memo of Accommodation and meet with the instructor
to discuss how best to provide the approved accommodation.

**E-MAIL**

Students are required to communicate with their instructor using their official SCF email
address.

**WITHDRAWAL**

In accordance with the State College of Florida policy as stated in the college catalog, a student
may withdraw from any or all courses without the academic penalty of a "WF" grade by the
withdrawal deadline as listed in the academic calendar, Catalog or on the SCF website. A student
in an accelerated or short-term course may withdraw without the academic penalty of a "WF"
grade any time before the withdrawal deadline specific for the course. When a "WF" is entered,
it is recorded in the student's permanent record and calculated as an "F" in the grade point
average. SCF encourages the student to discuss a withdrawal with the instructor prior to
withdrawing. A student who withdraws from any or all courses can withdraw online. Students
should consult with the Financial Aid Services office prior to any course withdrawal.

Course withdrawals, after the deadline for the term or accelerated or short term course as
published in the academic calendar, will result in a grade of "WF" which is computed in the term
and cumulative GPA. Appeal request forms, accompanied by an explanation and documentation
detailing major extenuating and documented circumstances, should be directed to the
appropriate campus Dean, who has the final approval/dis-approval authority. If the appeal is
granted, the "WF" grade would be changed to a "W" without GPA consequences. Forms can be
obtained from the respective campus advising centers.

Effective Fall 1997, the state mandates a student will be permitted a maximum of three
attempts per course. An "attempt" is defined as registration in a class after the end of the
registration period.

A student must take responsibility for initiating the withdrawal procedure. If this procedure is
not followed, a grade of "WF" may be recorded for the student and "F" calculated in the grade
point average.

If a "WF" is entered, it will be recorded on the permanent record and calculated as "F" in the
grade point average.

All withdrawal policy statements apply to part-time as well as full-time degree credit and
developmental credit students.
In accordance with the State College of Florida policy as stated in the college catalog, students may withdraw from any course or all courses without academic penalty of a WF by the withdrawal deadline as listed in the State College of Florida academic calendar. The student must take for initiating the withdrawal procedure. Students are strongly encouraged to talk with their instructors first before taking any withdrawal action.

In addition, students should note that faculty may also withdraw students for violating policies, procedures, or conditions of the class, as outlined in individual class syllabi, and such action could affect financial aid eligibility.

**STATEMENT OF PLAGIARISM**

Plagiarism is the use of ideas, facts, opinions, illustrative material, data, direct or indirect wording of another scholar and/or writer—professional or student—without giving proper credit. Expulsion, suspension, or any lesser penalty may be imposed for plagiarism.

**DISABILITY RESOURCE CENTER**

State College of Florida, in accordance with the Americans with Disabilities Act, will provide classroom and academic accommodations to students with documented disabilities. Students are responsible for registering with the Disability Resource Center (DRC) in order to receive academic accommodations. Reasonable notice must be given to the DRC office (typically 5 working days) for accommodations to be arranged. It is the responsibility of the student to provide each instructor with a copy of the official Memo of Accommodation.

DRC Contact Information: Email: drc@scf.edu Phone: 941-752-5295
http://scf.edu/StudentServices/DisabilityResourceCenter/

**STATEMENT OF NONDISCRIMINATION**

State College of Florida, Manatee-Sarasota (SCF) is an equal opportunity and access institution that does not discriminate on the basis of sex, race, religion, age, national origin/ethnicity, color, marital status, disability, genetic information, sexual orientation and any other factor prohibited under applicable federal, state, and local civil rights laws, rules and regulations in any of its educational programs, services or activities, including admission and employment. Direct inquiries regarding nondiscrimination policies to: Equity Officer, 941-752-5323, PO Box 1849, Bradenton, FL 34206.
http://www.scf.edu/Administration/HumanResources/DiversityEquity/equalopportunity.asp

**RELIGIOUS OBSERVANCES**

Students who expect to be absent due to religious observances must provide their instructor with advance notification, in writing, of the purpose and anticipated length of any absence by the end of the second week of classes. At that time, the instructor and student will agree upon a reasonable time and method to make up any work or tests missed.

**DEPARTMENT CHAIR INFORMATION**

If a student encounters a problem in the course, they should work with the professor to resolve it. If the student needs help and the professor is unable to help or is unavailable, contact, based on your campus, Kim Ghiselin (Bradenton), Angelique Medvesky (Lakewood Ranch), or Stephanie Cook (Venice).
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<thead>
<tr>
<th>Week</th>
<th>Sections</th>
<th>Topics Covered</th>
<th>Suggested Homework Assignments</th>
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<tr>
<td>1</td>
<td>M 8/20–F 8/24</td>
<td>Pre-test, Review 2.1</td>
<td>Chapter 1 Review The Tangent and Velocity Problems</td>
</tr>
<tr>
<td>2</td>
<td>M 8/27 – F 8/31</td>
<td>2.2, 2.3, 2.4</td>
<td>The Limit of a Function Calculating Limits The Precise Definition of a Limit</td>
</tr>
<tr>
<td>3</td>
<td>*M 9/3 – F 9/7 *M 9/3 – Labor Day Holiday-College Closed</td>
<td>2.5, 2.6, 2.7</td>
<td>Continuity Limits at Infinity; Horizontal Asymptotes Derivatives and Rate of Change</td>
</tr>
<tr>
<td>4</td>
<td>M 9/10 – F 9/14</td>
<td>2.8, Review Test 1</td>
<td>The Derivative as a Function</td>
</tr>
<tr>
<td>5</td>
<td>M 9/17 – F 9/21</td>
<td>3.1, 3.2, 3.3</td>
<td>Derivatives of Polynomials and Exponential Functions The Product and Quotient Rules Derivatives of Trigonometric Functions</td>
</tr>
<tr>
<td>6</td>
<td>M 9/24 – F 9/28</td>
<td>3.4, 3.5, 3.6</td>
<td>The Chain Rule Implicit Differentiation Derivatives of Logarithmic Functions</td>
</tr>
<tr>
<td>7</td>
<td>M 10/1 – F 10/5</td>
<td>3.7, 3.9, 3.10</td>
<td>Rates of Change Applications Related Rates Linear Approximations and Differentials</td>
</tr>
<tr>
<td>8</td>
<td>M 10/8 – *F 10/12 *F 10/12 All College Day-No Classes</td>
<td>3.11 Review Test 2</td>
<td>Hyperbolic Functions</td>
</tr>
<tr>
<td>9</td>
<td>M 10/15 – F 10/19</td>
<td>4.1, 4.2</td>
<td>Maximum and Minimum The Mean Value Theorem</td>
</tr>
<tr>
<td>10</td>
<td>M 10/22 – F 10/26</td>
<td>4.3, 4.4, 4.5</td>
<td>How Derivatives Affect the Shape of a Graph Indeterminate Forms and L’Hospital’s Rule Summary of Curve Sketching</td>
</tr>
<tr>
<td>11</td>
<td>M 10/29 – F 11/2</td>
<td>4.7, 4.8</td>
<td>Optimization Problems Newton’s Method</td>
</tr>
<tr>
<td>12</td>
<td>M 11/5 – F 11/9</td>
<td>4.9, Review Test 3</td>
<td>Antiderivatives</td>
</tr>
<tr>
<td>13</td>
<td>*M 11/12 – F 11/16 *M 11/12 – Veteran’s Day Holiday-College Closed</td>
<td>5.1, 5.2, 5.3</td>
<td>Areas and Distances Definite Integral The Fundamental Theorem of calculus</td>
</tr>
<tr>
<td>15</td>
<td>M 11/26 – F 11/30</td>
<td>5.5, Review Test 4</td>
<td>The Substitution Rule</td>
</tr>
<tr>
<td>16</td>
<td>M 12/3 – F 12/</td>
<td>Review for Final Exam</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>M 12/10 – R 12/13</td>
<td></td>
<td></td>
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</tbody>
</table>

**FINAL EXAMS**

Note: The Final Exam Schedule can be viewed at: [www.scf.edu/Academic/FinalExamSchedule.asp](http://www.scf.edu/Academic/FinalExamSchedule.asp)

Final Grades Due at 2:00 pm