Instructor: Bradenton campus
Office: Math Office: 27-108
Phone: Math Office Phone: 752-5224
E-mail: 
Office Hours: Math Lab Hrs: See below
Instructor’s Website:

COURSE DESCRIPTION: Topics in this course include methods of solving ordinary differential equations, linear equations and systems of linear equations. The emphasis is on first and second order differential equations and their applications. The methods include operators, undetermined coefficients, variation of parameters, Laplace transforms, and series solutions. Course performance standards are available at http://www.scf.edu/Academics/MathematicsScienceTechnologyBusiness/Mathematics/MathematicsCoursePerformanceStandards.asp and in the Math Labs.

PREREQUISITES: MAC 2312, Calculus II 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.

TEXT: A First Course in Differential Equations 10th edition, by Dennis G. Zill

MATERIALS: A graphing calculator is required; a TI-83, TI-83 Plus, TI-84 Plus, or TI-86 is strongly recommended. Calculators can be used during exams with the exception of those calculators with symbolic manipulation capabilities (e.g., TI-89, TI-92, TI-nspire)

ADDITIONAL MATERIALS: There is a solutions manual available in the bookstore. The manual contains solutions to selected problems from the exercise sets in the text.

EXAMINATIONS: There will be three exams and a required comprehensive final examination. NO MAKE-UP EXAMS 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 better must be earned on the final exam in order to pass the course.

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<th>POINTS</th>
<th>SCALE</th>
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<tr>
<td>3 EXAMS</td>
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<td>STUDY GUIDES</td>
<td>100</td>
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<td>Final Exam (cumulative)</td>
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<td>0 - 59% = F</td>
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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 unexcused absences or excessive tardiness may result in your withdrawal from the course.

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. Electronic devices, such as iPods, Blackberries, etc. are not permitted to be used or worn during class.

WITHDRAWAL: 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, by the withdrawal deadline listed in the State College of Florida academic calendar. For this semester’s date, see the Academic Calendar. Students should take responsibility to initiate the withdrawal procedure but are strongly encouraged to talk with their instructors 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.

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.