

**Salisbury University Department of Mathematical Sciences****MATH 311 : Differential Equations I  
Syllabus (Tentative)**

**Description:** Solutions of first and second order equations and their applications: separable, exact, homogeneous, linear. Numerical and series solutions of ordinary and partial differential equations. 4 Hours  
Credit: Meets four hours per week.

**Prerequisites:** C or better in MATH 202.

**Intended Audience:** Majors in Mathematical or Physical Sciences and students in the Dual-Degree Engineering Program.

**Objective:** To study differential equations and their applications.

**Textbooks:** *Fundamentals of Differential Equations*, Sciences

- **Writing Across the Curriculum:** Students will be expected to communicate mathematics and mathematical ideas effectively in speech and writing. At the University Writing Center, trained consultants are ready to help you at any stage of the writing process. In addition to the important writing instruction that occurs in the classroom and during professors' office hours, the Center offers another site for learning about writing. **All students are encouraged to make use of these important services.**
- **NOTE:** Once a student has received credit, including transfer credit, for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it.