Course Description: This course includes theory and application of ordinary differential equations including classification, initial and boundary value problems of one variable, exact equations, methods of solving higher-order linear equations, second-order equations with constant coefficients, series solutions, systems of linear equations, Laplace transforms and existence theorems.

Prerequisites: MATH 175 with a grade of ‘C’ or better, or permission of the instructor.


Course Objectives: The student will demonstrate a working knowledge of the material covered in Chapters 1-5, 7, 8, and 13 of the textbook. Refer to the tentative schedule on the back.

Policies and procedures:

a. You will not be able to attend my class if you are not registered.
b. You are expected to attend class. If you do miss class, you are responsible for any information that was put out.
c. Dropping the course is your responsibility. Do not expect me to drop you if you stop attending.
d. Good math skills are built through numerous exercises, so homework will be assigned throughout the semester.
e. Students will be subject to a failing grade if caught cheating on an exam.
f. Your homework will be handed in on your own paper and stapled if needed.
g. Late homework will receive a 60% unless prior arrangements are made ahead of time.
h. A graphing calculator is required in this course.

Outcomes Assessment: Daily assignments, chapter tests, and a comprehensive final exam will be used to assess how well students achieve the course objectives. "As part of departmental analysis of outcomes in this course and its place in the Mathematics program, student completion of the pre-requisite, success in the current course, success in subsequent courses and student satisfaction will be reviewed by the instructor. A report containing this information will be submitted by department faculty to determine what, if any, changes can be made to improve the course in terms of content, focus, and instruction."
**Grading Procedure:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter exams</td>
<td>60%</td>
</tr>
<tr>
<td>Homework assignments and projects</td>
<td>20%</td>
</tr>
<tr>
<td>Final exam (comprehensive)</td>
<td>20%</td>
</tr>
</tbody>
</table>

**a.** Homework: I will assign homework once a week and collect it at the beginning of the next week. You will also have Maple projects that count as homework.

**b.** Chapter exams will be given in the Campus Testing Center (GRM 230). The exams are taken on your own time.

- Exam 1 will cover chapters 1 and 2.
- Exam 2 will cover chapters 3 and 4.
- Exam 3 will cover chapters 5.
- Exam 4 will cover chapters 7.

**c.** The Final exam will be given in class on **Tuesday, May 11, 2010 from 12-2 pm.** Final will cover chapters 1 – 5, 7, 8, and 13.

**Additional Aids:**

- **a.** Videotapes and DVD’s available in Library (GRM 131).
- **b.** Tutoring available in Math Lab (SHL 207).

**E-Mail:** CSI uses Google E aglemail. Since e-mail is the primary source of written communication with students, all registered CSI students get a college email account. Students can check their CSI e-mail online at [http://eaglemail.csi.edu](http://eaglemail.csi.edu). More information can be obtained at the College of Southern Idaho website, [www.csi.edu](http://www.csi.edu). Messages from instructors and various offices such as Admission and Records, Advising, Financial Aid, Scholarships, etc. will be sent to the students’ CSI accounts (Not their personal e-mail accounts). **It is the student’s responsibility to check their CSI e-mail accounts regularly.** Students must check their CSI e-mail accounts regularly to avoid missing important messages and deadlines. At the beginning of each semester free training sessions will be offered to students who need help using their CSI e-mail accounts.

**Disabilities:** Any student with a documented disability may be eligible for related accommodations. To determine eligibility and secure services, students should contact the coordinator of Disability Services at their first opportunity after registration for a class. Student Disability Services is located on the second floor of the Taylor Building on the Twin Falls Campus. (208)732-6250 (voice) or (208)734-9929 (TTY), or e-mail Candida Darling, [cdarling@csi.edu](mailto:cdarling@csi.edu).

**Student’s Responsibility:** During the first two weeks of the term, a student may drop a course or completely withdraw without its being recorded on the student’s official transcript. After the first two weeks a “W” will be recorded in any course the student drops.

**On-line Course Evaluation Statement:** To help instructors continually improve courses, students are strongly encouraged to go online to [http://evaluation.csi.edu](http://evaluation.csi.edu) and complete anonymous evaluations which open two weeks before the end of the course and close the last day of class. When students enter the site, they find evaluations for their enrolled courses. Thank you for this valuable input!