PROFESSOR: Dr. Daniel Joseph Galiffa  
E-MAIL: djg34@psu.edu  
OFFICE PHONE: 814-898-6090  
WEB PAGE: http://www.personal.psu.edu/djg34/  
OFFICE: Benson 86  
OFFICE HOURS: Mon., Wed. and Fri. from 12:10-1:10PM, & by appointment  
CLASS DAYS, TIMES & LOCATION: Mon., Wed. and Fri. from 3:35-4:25PM in NICK 171

Note: Please refer to the PSU policies regarding all options regarding; adding, dropping or withdrawing from a course before a decision is finalized.

TEXT: No text - class notes.

COURSE TOPICS: Course topics will be primarily selected from the following subject areas:

1. Numerical Methods For Solving ODEs (PDEs)  
2. Numerical Differentiation  
3. Numerical Integration  
4. Numerical Methods Of Linear Algebra

GRADING: There will be two areas that will comprise the student’s final grade:

1. Examinations: There will be a number of exams and the topics of which will be related to the subject areas described above. More specifically, the exam problems will come from the relevant lecture material, the assignments, the quizzes and the text. Students will be given one class period to finish each exam. Examination dates will typically be announced in class at least one week before the exams are administered. There will be a final examination.

2. Quizzes: There will be several quizzes that will cover the material discussed in lecture and the material from the assignments and the text. The nature of each quiz may vary; e.g., a ‘standard’ quiz, a pop quiz, group quiz or possibly a take-home quiz.  

There will be absolutely no make-up quizzes or examinations unless students have a documented legitimate excuse or attended a documented PSU event. Also, each examination will consist of a total of 100 (percentage) points.
Note: To attain full credit on any graded problems, sufficient work must be shown. Graphing calculators are strongly suggested for this course. I personally recommend the TI-89 Titanium™, the TI-Voyage™ 200 or the TI-Nspire™ CAS. Additionally, used TI-92+™ may be purchased online for a minimal fee - this is my personal favorite graphing utility.

**GRADING SCALE:**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>$\geq 92$</td>
</tr>
<tr>
<td>A-</td>
<td>(90, 92)</td>
</tr>
<tr>
<td>B+</td>
<td>(88, 90)</td>
</tr>
<tr>
<td>B</td>
<td>(82, 88)</td>
</tr>
<tr>
<td>B-</td>
<td>(80, 82)</td>
</tr>
<tr>
<td>C+</td>
<td>(78, 80)</td>
</tr>
<tr>
<td>C</td>
<td>(70, 78)</td>
</tr>
<tr>
<td>D</td>
<td>(60, 70)</td>
</tr>
<tr>
<td>F</td>
<td>(0, 60)</td>
</tr>
</tbody>
</table>

**FINAL GRADE:** A student’s final grade will be determined as follows:

- Exam Average: 70%
- Quizzes, Assignments & Projects: 25%
- Attendance 5%

**ACADEMIC INTEGRITY:** The Penn State Erie policies on academic integrity will be strictly enforced. Academic integrity is a basic guiding principle for all academic activity at the University, and all members of the community are expected to adhere to this principle. Specifically, academic integrity is the pursuit of scholarly activity in an open, honest, and responsible manner. It includes a commitment not to engage in or tolerate acts of falsification, misrepresentation, or deception. Such acts violate the fundamental ethical principles of the University community and undermine the efforts of others.

Violations of academic integrity are not tolerated at Penn State Erie. Violators will receive academic sanctions and may receive disciplinary sanctions, including the awarding of an XF grade. In cases such as these, an XF grade is recorded on the transcript and states that failure of the course was due to an act of academic dishonesty. All acts of academic dishonesty are recorded so those repeat offenders can be sanctioned accordingly. For a more complete description refer to the URL below.

- Source: [http://www.behrend.psu.edu/faculty/academics/integrity.htm](http://www.behrend.psu.edu/faculty/academics/integrity.htm)

“I wish everyone success in this course and look forward to ANOTHER productive semester!”
Disabilities and Learning Differences:

Counseling and Psychological Services:
http://psbehrend.psu.edu/student-life/student-services/personal-counseling

Title IX:
http://titleix.psu.edu/resources-penn-state-erie-the-behrend-college/

DISCLAIMER: At anytime in this course the aforementioned statements of the syllabus may be amended at the discretion of the professor Dr. Galiffa. If this is to occur, students will be notified in a timely manner during a regularly scheduled class period only. It is the student’s responsibility to ascertain this information in the case of an absence.