Math 241 - Course Syllabus
Calculus 2
Section 3: MWF11:00-11:50am
Congdon Hall 140

Course Description

Math 241: The definite integral, the fundamental theorem, applications to geometry, physics, economics, and probability. Introduction to modeling. Reconstructing a function from its derivative. Solutions to elementary differential equations. Study of sequences and series.

Welcome to Calculus 2! In the previous calculus class you took, you studied derivatives, which allowed you to take a function and determine its rate of change. So, does knowing all about derivatives mean you have mastered calculus? Not quite! Often, we only know how a quantity is changing, and we’d like to know how much change has occurred. For example, if you know the velocity of an object, you may want to find its position at a given time, or if you know how quickly water is leaking from a tank, you may need to determine how much water has leaked out after 10 minutes. In order to tackle problems such as this, we need a way to “undo” the derivative. This semester, we’ll focus our study on integration, which is just the process we need to solve these problems.

Basic Information

Instructor          Dr. Jenny G. Fuselier
Office              153 Congdon Hall
Phone               (336) 841-9342
E-mail              jfuselie@highpoint.edu
Web Page            http://math.highpoint.edu/~jfuselie
Office Hours        MWF 9-10am, TTh 11:00am-12:00pm, or by appointment
Required Calculator TI-89 or TI Voyage 200

Evaluation and Grading

- **Homework:** A list of homework problems will be posted online (Blackboard) for each section of the book. These homework problems will not be collected or graded, but are designed to give you practice on the course concepts. Graded homework will be given online using WebAssign. You should try the homework problems in the book and check answers in the back before attempting the graded WebAssign problems.

- **Quizzes/Classwork:** There will occasionally be short quizzes in class (some may be unannounced), and there may be occasional classwork to be turned in. *No makeups will be given on these assignments.*
• **Exams:** There will be 3 in class exams during the semester. Homework problems (book and WebAssign), as well as your notes from class will be _excellent_ preparation for all exams. The tentative dates for these exams are February 15, March 17, and April 14.

• **Final Exam:** The final exam for this course is **Saturday, May 1, 1:30pm-4:30pm.**

• **Grading:** Your grade will be determined by the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Grades</th>
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</thead>
<tbody>
<tr>
<td>Homework/Quizzes/Class Work</td>
<td>15%</td>
<td>$98 \leq A+ \leq 100$</td>
</tr>
<tr>
<td>Exams</td>
<td>60%</td>
<td>$78 \leq C+ &lt; 80$</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
<td>$92 \leq A &lt; 98$</td>
</tr>
</tbody>
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Policies

• **Attendance Policy:** You are expected to attend every class and be on time. Attendance will be taken each day, though it will not count as a portion of your grade.

• **Electronic Devices in Class:** Cell phones, PDAs, etc. should all be turned off prior to the start of class. I expect that you _will not_ be texting, sending emails, using Facebook, surfing the web, etc. during class. This is disrespectful to both your instructor and your classmates. If a student’s phone makes noise during a test, that student will receive an **F** on the test.

• **Make-Up Policy:** Make-ups for missed class events will not be given. If you know in advance you will be missing an exam, you may contact me in advance to schedule a make-ahead. If you must miss an exam, it is your responsibility to contact me no later than 24 hours past the time of the exam to explain your absence. For those with one necessary absence (e.g. illness, death in the family, etc), your grade on the final exam will be used to replace the missed exam score.

• **Honor Policy:** All students should be familiar with, and abide by, the Honor Code. Copying work done by others, whether in or out of class, is cheating and will not be tolerated. If cheating is observed during an in-class event or plagiarism is discovered on an assignment, the student will receive a grade of zero for that event. The event will also be reported to the Dean of Students. For details on the Honor Code, see http://www.highpoint.edu/campuslife/sga/

• **Academic Accommodations:** Students who require classroom accommodations due to a diagnosed disability must submit the appropriate documentation to Mrs. Irene Ingersoll, Coordinator for Disability Support, 405 Smith Library. Please inform her of your need for accommodations at the beginning of the semester. It is your responsibility as a college student to advocate for yourself. Accommodations are not retroactive.

• **Copyright Policy:** All printed materials disseminated in class or on the web are protected by Copyright laws. One xerox copy (or download from the web) is allowed for personal use. Multiple copies or sale of any of these materials is strictly prohibited.
- **Course Evaluations:** You will receive an email towards the end of the semester asking you to complete evaluations online for this course. Please complete them by the date indicated. (Yes, I really do read them!)

**Additional Information**

- A tentative schedule for the course is posted at http://math.highpoint.edu/~jfuselier/math241, and will be updated as we progress through the course.

- I will periodically send emails to your HPU accounts, and I will also update Blackboard frequently with class information. You need to be consistent in checking these sources in order to receive all necessary course announcements.

- **How to get help in this class:**
  - First, *please* ask questions in class! I will make every effort to answer your questions and get you back on track with the material, and asking questions in class will help to keep you from getting behind.
  - Please stop by my office hours if you have questions, or make an appointment with me if necessary.
  - Meet your classmates and form study group - this is a great way to stay on top of the material.

- If you have a question about the grading of an exam, you are responsible for contacting me *within one week* after receiving the graded assignment.

- The last day to drop this course without record is January 19. The last day to drop with a W grade is March 19.