
Prerequisite: Math 1225. If you have credit for Math 1205, you should take Math 1206 (not Math 1226).

Online Information and Resources:

- **Scholar**: The course contract, syllabus, daily course notes, and other materials essential to this course can be found on our class Scholar site. You are responsible for all announcements made on Scholar.
- **Course Website**: [http://www.math.vt.edu/courses/math1226](http://www.math.vt.edu/courses/math1226)

Common Time Final Exam:

- Friday, May 8, at 4:25-6:25 pm
- The final exam is a required class meeting that will not be rescheduled for discretionary reasons, including conflicts with work schedules and with classes and exams at other colleges.

Grading:

Your final grade in the course is based on the following work.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passing the BST</td>
<td>0%</td>
</tr>
<tr>
<td>WebAssign Quizzes</td>
<td>8%</td>
</tr>
<tr>
<td>Written Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Tests (3)</td>
<td>60% (20% each)</td>
</tr>
<tr>
<td>Project</td>
<td>2%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

A 90% will guarantee an A-, 80% a B-, 70% a C-, and a 60% a D-.

Grading Appeals:

Specific grading disputes (points totaled incorrectly, partial credit appeals, missing assignments on Scholar, etc) should be brought to my attention within **1 week** of return of the assignment. Coming to me within this period does not guarantee a grade change, only my consideration. Appeals outside of this timeframe will not be considered.
WebAssign Quizzes:

WebAssign quizzes will be assigned twice weekly. One will be due Sunday and the other will be due Wednesday. You will have three attempts at each quiz, and the highest of your three grades will be used. I will drop your lowest two quiz grades.

Written Assignments:

There will be an assignment due in class each Friday. You are encouraged to work together on homework assignments, however your final write-up must be done independently. No late assignments will be accepted. To account for this, your two lowest written assignment scores will be dropped.

Project and Matlab

A project will be assigned during the semester that will require the use of Matlab. Matlab is available for purchase through the University, but it is not required that students obtain their own copy. Matlab is available on all computers at the Math Emporium.

Course Notes

Course notes will be fill-in-the-blank and will be available on the course Scholar page weekly. Students are responsible for bringing a copy of the notes to class.

Exams and Makeup Policy:

There will be 3 tests and a common-time final exam. The tests will be given during a regular class meeting. The use of calculators is not permitted on these exams. You must take tests on the specified date. In general, makeup exams will not be given. If a student misses an exam for reasons that are serious, unavoidable, and beyond the student’s control, the situation will be handled on an individual basis. If it is to your benefit, your grade on the final exam will replace your lowest test grade. Below are the tentative test dates. The Final Exam date is fixed.

| Test 1       | Friday, February 13 |
| Test 2       | Tuesday, March 17   |
| Test 3       | Friday, April 17    |
| Final Exam   | Friday, May 8, at 4:25-6:25 pm |

Honor System:

The Virginia Tech Honor System will be strictly enforced. Tests (including the final exam and WebAssign quizzes) must be solely the individual’s work. Homework, however, may be completed in collaboration with others, but should be written up on an individual basis. It is your responsibility to seek clarification if there is any question about how the Honor Code applies to a given assignment.

Classroom Courtesy:

You and your classmates are entitled to learn in an atmosphere of mutual respect, and freedom from distractions and disturbances. The following guidelines are in effect for this class.

- Students are expected to arrive on time and stay until class is dismissed.
• If you know ahead of time that you will be late or must leave early, please let me know in advance, sit as near the exit as possible, and enter or leave quietly.

• Talking to classmates during class, aside from group assignments, is disruptive to those around you and will not be tolerated.

• Laptops used as a tablet PC are permitted provided they are used in the flat, tablet position. Open laptops are not allowed.

• Cell phones must be silent or turned off. That goes for anything else electronic that makes noise.

Attendance:

Class attendance will be taken daily and kept for Mathematics Department records. Students are responsible for course materials and announcements covered in class.

Disability Statement:

If you need adaptations or accommodations because of a documented disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.

Caution:

If you are not on the class roll that comes out after the last add date, you are not in the class. It is your responsibility to make sure you are attending the proper section. Simply attending a section will NOT entitle you to be placed on its roll.

Basic Skills Test:

• The Department of Mathematics requires each student enrolled in Math 1226 to successfully complete, at the beginning of the term, an online Basic Skills Test covering very basic concepts from Math 1225.

• Practice problems will be available to all students (not just students enrolled in Math 1226) a week before classes start. To access practice problems click on the “Enter Practice System” button in the menu on the Math 1226 homepage. Once you are logged in, choose Calculus BST (Practice) (Spring 15) and then choose the Available Unit Practice Math 1226 Basic Skills Test (401).

• The actual Basic Skills Tests will become available to all students enrolled in Math 1226 on the first day of classes (Tuesday, January 20) at 10:00 am. Test availability will end on the last day to add classes (Monday, January 26).

• The deadline for successfully completing the BST is Monday, January 26. (On January 26, a student must begin the BST no later than 10:30 pm and finish the test by midnight.)

• Some details regarding the test and the departmental policy follow:
  – The primary goal of the Basic Skills Test is to get students quickly and purposefully active in doing mathematics they have already seen in differential and integral calculus, though they may have forgotten some of the material over summer/holiday breaks. The test will require a quick and timely review of those basic skills from differential and integral calculus that are essential for success in Math 1226.
The Basic Skills Test is administered as a computer-based proctored test in the Math Emporium. (Students should request a “proctored test” when checking in at the Math Emporium, and should bring to the testing area only a writing instrument and student ID—no calculators, notes, or scrap paper.) The Basic Skills Test is comprised of 6 multiple-choice questions covering differentiation (product rule, quotient rule, trig functions, chain rule, max/min) and basic integration. A score of at least 5 correct is passing.

A student may make six total attempts at the proctored, on-the-record tests, during the published proctoring hours in the Math Emporium. There is no restriction on the number of BSTs that can be attempted in one day. (Note: **A proctor must begin each on-the-record Basic Skills Test** for the student.) The Basic Skills Test is available from January 20 to January 26, 2015. The proctoring schedule for the duration of the Basic Skills Test is:

<table>
<thead>
<tr>
<th>Must start the test within</th>
<th>Must finish the test by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday: 2:00 PM - 9:30 PM</td>
<td>11:00 PM</td>
</tr>
<tr>
<td>Monday: 10:00 AM - 10:30 PM</td>
<td>midnight</td>
</tr>
<tr>
<td>Tuesday: 10:00 AM - 10:30 PM</td>
<td>midnight</td>
</tr>
<tr>
<td>Wednesday: 10:00 AM - 10:30 PM</td>
<td>midnight</td>
</tr>
<tr>
<td>Thursday: 10:00 AM - 10:30 PM</td>
<td>midnight</td>
</tr>
<tr>
<td>Friday: 10:00 AM - 2:30 PM</td>
<td>4:00 PM</td>
</tr>
</tbody>
</table>

Students in Math 1226 are urged to take the Basic Skills Test during the first few days of classes so that they will have maximum flexibility in making course schedule adjustments should that become necessary.

Students receive immediate results upon submitting the Basic Skills Test for grading. Hints are provided for each problem when the graded test is returned to the student. All past tests are available to the student for review at any time.

Daily updates of student pass/fail status are available to instructors of all Math 1226 sections.

All students in Math 1226 who have not passed the Basic Skills Test are so informed by the second week of classes. The message, email or written, explains that the student cannot receive a passing grade for the course and that the instructor cannot make exceptions. Appeals may be made to the Department of Mathematics.

All students have unlimited access to practice problems via “Practice System.” The practice Basic Skills Test problems are constructed identically to the actual test problems, are accessible from anywhere, and are independent of the platform. Practice problems will be available a week before classes start.