MATH 1226 – Calculus – Spring 2015
CRN 19572: MWF 12:20 – 1:10 pm in Holden Auditorium and Tues 2-2:50 pm in Robeson 210

Instructor: Ross Thompson
Office: 461-S McBryde
E-mail: shosta@vt.edu

Office Hours:
- Monday: 11:10 am to 12:10 pm
- Tuesday: 3:00 pm to 4:00 pm
- Wednesday: 11:10 am to 12:10 pm
- Thursday: 2:00 pm to 3:00 pm
- Other hours by appointment

Prerequisite: The prerequisite is Math 1225 or an equivalent course. If you have credit for Math 1205, you should take Math 1206 (not Math 1226).

Text: Calculus: Early Transcendentals, 7th edition, by James Stewart

WebAssign: The class will use WebAssign for regular homework assignments. If you already purchased the Stewart textbook for 1225 or 1226 during a previous semester at Virginia Tech, you do not have to buy a new book and can use your current WebAssign account.

If you do not already have the textbook and WebAssign code from a previous calculus course here at Virginia Tech, it will be cheapest for you to buy a new textbook bundled with the WebAssign code.

Do not purchase WebAssign or the textbook through WebAssign's website. The university bookstore has negotiated a better price.

Here are the textbook bundle purchase options available at the on campus bookstore. All three options include lifetime of edition electronic access to the textbook and a WebAssign code which is required for the class. Any of these 3 textbook options will be sufficient for the course.

Electronic Book Bundle contains - WebAssign code w/eBook - $76.25
Loose Leaf Bundle contains - Loose Leaf Book w/WebAssign code w/eBook - $99.10
Hardback Bundle contains - Hardback Book w/WebAssign code w/eBook - $142.30

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: The grade will be based upon three tests (each contributing 20%); the comprehensive final exam (20%); the Basic Skills Test that you must pass (contributing 0%); and other work (20%), which may include homework, quizzes, in-class work, and writing assignments. (Homework may include hand-written, MATLAB, and WebAssign problems; quizzes may be pop and/or take-home.)

A final score of 90% will guarantee an A-, 80% a B-, 70% a C-, 60% a D-, and anything below 60% an F. Plus and minus will be assigned at my discretion.

Calculator Policy:
Students will not be allowed to use calculators for exams or in class quizzes. Calculators may be used on WebAssign assignments and written homework, but I strongly encourage students to use them as little as possible in order to prepare for exams.

Honor System:
The Virginia Tech Honor System will be strictly enforced. Tests (including the final exam) and quizzes must be solely the individual’s work. Students may collaborate on homework assignments, but each student must turn in their own work.

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 26, 2015. The proctoring schedule for the duration of the Basic Skills Test is:

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<th>Day</th>
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<tr>
<td>Sunday</td>
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<td>Monday</td>
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<td>Friday</td>
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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.
Make-up Policy:
Make-up tests or quizzes will not be given. For an excused absence from a test, a portion or all of the final exam will substitute for that test grade. Late work will not be accepted. (Exceptions to the late-work policy may be made for individuals in the event of serious illness or personal emergency at the instructor’s discretion; contact the instructor immediately if such a situation arises. Exceptions generally will be made only if the instructor is notified about any emergency prior to the due date of any affected graded work.)

Attendance & Communication:
Attendance will be taken. Students are responsible for all announcements made in class. Students are also responsible for information delivered via Scholar or email.

Web Information:
- **Course Policy Sheet**: The information on this course policy sheet, as well as other information, is available on the course scholar page at: http://scholar.vt.edu
- **1226 Information**: Much information for all Math 1226 classes is available at: http://www.math.vt.edu/courses/math1226/.
- **Emporium Information**: Please see http://www.emporium.vt.edu.

Special Needs Students:
If you are a student with special needs or circumstances, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please meet with me during office hours or schedule an appointment for another time.

Caution: If you are not on the class roll that comes out after the last “add” date, immediately check your schedule and start attending the proper section. By simply attending a section, you will not be placed on its roll.