

## MATH 2260, Spring 2010: Calculus II for Scientists and Engineers (88-756)

---

INSTRUCTOR	Dr. Christopher Drupieski, cdrup@math.uga.edu								
TIME & PLACE	Boyd GSRC Room 323, MWF 10:10–11:00am, Boyd GSRC Room 304, R 9:30–10:45am								
OFFICE HOURS	T 12:45–1:45 pm, WTh 1:30–3:00 pm, and by appointment.								
TEXTBOOK	<i>University Calculus</i> by Hass, Weir & Thomas (ISBN 0-321-35014-6).								
COURSE PAGE	<a href="http://www.math.uga.edu/~cdrup/101math2260/">http://www.math.uga.edu/~cdrup/101math2260/</a>								
COURSE INFORMATION	<p>I have three goals for this course. First (and foremost), to continue your preparation in the basic Calculus material necessary for a career in science or engineering. Second, to teach you to be a better writer of mathematics. Third, to help you become a better reader of unfamiliar technical literature (e.g., a math textbook). We will work on the second and third goals through homework and classwork assignments.</p> <p>The prerequisite for this course is a strong knowledge of the material from Math 2250 (the material covered in Chapters 1–5 of the text, which you should review as needed). This semester we will cover Chapters 6–8 and 10 of the text. A tentative schedule is posted on the course web page.</p>								
ATTENDANCE	<p>Students are expected to attend classes regularly.</p> <p>University policy states that a student who incurs an excessive number of absences may be withdrawn from the course. (The Math Department defines “excessive” to be four or more unexcused absences.) I will count an absence as excused if you clear it with me ahead of time, or, in the case of personal or family emergency, if you provide some form of documentation (e.g., doctor’s note) upon your return.</p>								
GRADING	<p>Student performance will be evaluated based regular written and online homework, three in-class exams, and a comprehensive final exam. Final grades will be weighted as follows:</p> <table><tr><td>20%</td><td><b>WeBWorK</b></td></tr><tr><td>10%</td><td><b>Written Homework, Classwork</b></td></tr><tr><td>45%</td><td><b>Midterm Exams (3)</b></td></tr><tr><td>25%</td><td><b>Final Exam</b></td></tr></table> <p>Final overall course grades of at least 90, 80, 70, 60 will guarantee letter grades of at least A–, B–, C–, D, respectively. Exact cutoffs for other grades will be determined after all coursework has been graded, and may depend on the distribution of student grades within the course.</p>	20%	<b>WeBWorK</b>	10%	<b>Written Homework, Classwork</b>	45%	<b>Midterm Exams (3)</b>	25%	<b>Final Exam</b>
20%	<b>WeBWorK</b>								
10%	<b>Written Homework, Classwork</b>								
45%	<b>Midterm Exams (3)</b>								
25%	<b>Final Exam</b>								
HOMEWORK	<p>The majority of graded homework in this class will be assigned through the WeBWorK online homework system. WeBWorK assignments are intended to help you practice those Calculus problems that are largely computational in nature. The number of problems assigned each week through WeBWorK will vary, but will typically fall in the range of 20–25 problems. Problems assigned through WeBWorK will be due on Fridays. To access WeBWorK, follow the link on the course web page.</p> <p>The WeBWorK system provides immediate feedback as to the correctness of your answers. It may also permit you multiple attempts to solve a problem. The downside to WeBWorK is that the computer cannot point out the errors in your work. For this reason, I encourage you to get help when you are stuck on a WeBWorK problem. Blind guessing is a waste of your time.</p> <p>In addition to the online homework, there will be weekly written homework assignments (typically due on Mondays). These assignments will be shorter, usually 4–5 problems in length. On the written homework, I am as much if not more concerned with how you wrote your solution than I am with whether you reached the correct final answer. Written homework assignments will be posted on the course web page.</p> <p>A detailed set of guidelines for written homework solutions is posted on the course web page. If I feel that your written homework solution does not meet my (high) standards, I may ask you to rewrite all or part of the assignment. In that case, the corrected version will be due by the next class period.</p> <p>Finally, a list of additional practice problems will also be posted on the course web page. The practice problems are for your benefit, and will not be collected.</p>								

LATE WORK	<p>Since everyone deserves a second chance, students may submit up to one written homework assignment late without penalty. <i>No other late work will be accepted!</i> On the other hand, there is no limit to the number of extensions you may request for individual (online or written) homework assignments. I will typically honor a request for an extension if it is made for good reason, and if it is made at least 24 hours before the deadline. (Requests within the 24 hour window will not be honored.)</p> <p>In order to accommodate those students who may miss a homework deadline due to an excused absence, I will drop one or two written homework assignments at the end of the semester. The final overall WeBWork score will also be modestly curved.</p>
EXAMS	<p>There will be three in-class exams and a comprehensive final exam. The in-class exams are (tentatively) scheduled for <b>February 11</b>, <b>March 18</b>, and <b>April 15</b>. The Final Exam is scheduled for <b>May 5, 8–11am</b>, <i>so plan accordingly!</i> An unexcused absence from any exam will result in a grade of zero for that assignment. If you miss a midterm exam due to an excused absence, then your final exam will be weighted more heavily to compensate. Final exams may (only) be rescheduled in cases of emergency.</p> <p>During exams, I reserve the right to provide assigned seating, and to require you to leave all books, bags, jackets, phones, etc. at the front of the room. The use of any cell phone or other unauthorized aid during an exam will be reported as cheating.</p>
WITHDRAWALS	<p>Any student may withdraw from the course with a grade of WP until after the week of the first in-class exam. After that point, any student withdrawing from the course will receive a grade of WF unless he or she has a marginally passing (D) average in the course, taking into account all relevant data (written and online homework scores, exam scores, and attendance).</p>
HONESTY	<p>All students are expected to abide by UGA’s academic honesty policy. If I suspect that you have acted dishonestly in completing a homework assignment or exam, I will report it, following university procedures. The university expects all students to live up to the highest standards of academic honesty and ethics, and there are severe punishments for students who violate those standards.</p> <p>You may (in fact, are encouraged to) discuss how to do homework problems with other students, but the work you turn in must be your own doing. Outright copying of another student’s work will be considered as cheating.</p>
CALCULATORS	<p>Calculators are very useful tools. We will occasionally make use of calculators and computers in class. Calculators can also become terrible crutches. Too many students use calculators to preform simple calculations that they should be able to do by hand. You may find it convenient to use a calculator or a computer while doing the homework, but calculators will be neither necessary nor permitted on exams.</p>
ACCOMODATIONS	<p>If you have a disability or health condition that you believe merits accommodation (e.g., extra time on exams), please make an appointment to see me as soon as possible, and at least one week before the first exam, so that we can discuss the situation.</p>
SEEKING HELP	<p>It is easy for a student to get lost once he or she has fallen behind in this course. If you feel yourself falling behind, or if there is material you don’t understand, please take advantage of the many resources available to you:</p> <p><b>My office hours:</b> I am available in my office at regularly scheduled times, and also by appointment. I will be happy to answer your questions.</p> <p><b>Your peers:</b> You should always try a problem on your own first. But if you are truly stuck, seek help from your peers, especially on the homework.</p> <p><b>Tutoring:</b> Various free tutoring services are available. I will post links on the course web page.</p>
COURTESY	<p>As a courtesy to me and to your classmates, please turn off and put away all cell phones and computers during class time. If I observe you using a cell phone during class, I will ask you to leave. Also, please refrain from entering class late or leaving class early. If this is something you must do, please talk to me about it ahead of time.</p>
CHANGES	<p>It may be necessary to modify this syllabus as the semester progresses. Any changes will be accompanied by appropriate announcements.</p>