Policy Sheet

Course
Math 2214, Intro Differential Equations CRN (index number) 93966

Prereq
Math 1114 and Math 1206

Instructor
Peter A. Linnell

Book

Office
McBryde 516

Telephone
231-2764 and 951-5279

E-mail
linnell@math.vt.edu

Room
McBryde 307 at 8:00 a.m., MWF

Office Hrs
Monday, Wednesday, Friday 10:05 a.m. to 11:00 a.m. and 2:30 p.m. to 3:30 p.m.

In case of difficulty, try office at other times, or make an appointment, or telephone me, or E-mail me. E-mail is a good method of contacting me.

Webpages
You will find my webpage for this course at http://www.math.vt.edu/people/plinnell/2214/

On this webpage I will put announcements, handouts which I have previously distributed in class, some solutions, useful links, class roll and grades. To access the class roll and grades, you will need your 9 digit id number and a password which I will give you; you will also need the password I give you to access some other material such as solutions. Most handouts I will post on my webpages in HTML format (for immediate online viewing) and PDF format (for better quality viewing or printing). All handouts will be distributed in class, but if you do not get a handout through missing class or lose one, you must obtain it from my webpages – I will not bring copies to subsequent classes (I won’t follow this policy in the first week, because many students will be adding late).

Assessment
Three fifty minute tests 50 points each
Final exam 100 points
Homework 50 points
Emporium quizzes 50 points
Total 350 points

Tests
will be on Friday September 19, Friday October 17, and Friday November 14.

The final exam consists of two parts; one part is on Monday December 15, 7:45 a.m.–9:45 a.m. in McBryde 307 (i.e. as according to the “Fall Timetable of Classes”) and will be conventional. The other part of the final will be an online multiple choice test taken in the Emporium, which can be taken any time during exam week when proctoring is available (more information about this nearer the time). The Emporium part is common to all sections of this course (in particular, I do not set the problems). The two parts of the final will be given equal weight (so 50 points for the conventional part and 50 points for the Emporium part).
I will grade according to the following scale:

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<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>321–350</td>
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<tr>
<td>A–</td>
<td>307–320</td>
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<tr>
<td>B+</td>
<td>293–306</td>
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<tr>
<td>B</td>
<td>279–292</td>
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<tr>
<td>B–</td>
<td>266–278</td>
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<tr>
<td>C+</td>
<td>253–265</td>
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<tr>
<td>C</td>
<td>240–252</td>
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<tr>
<td>C–</td>
<td>227–239</td>
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<td>D+</td>
<td>214–226</td>
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<td>D</td>
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<td>D–</td>
<td>188–200</td>
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**Homework**  The homework will in some cases involve Matlab (or if you prefer Mathematica). You may (are even encouraged) to discuss the homework between yourselves; however copying is, of course, forbidden. Homework which is handed in late will receive at most half credit (zero credit if received after I have given out solutions to the class).

**Emporium Quizzes**  These will be proctored online quizzes taken in the Emporium. There will be 8 of them, and the lowest score will be dropped. There will be two quizzes before the first test, two between the first and second test, two between the second and third test, and two after the third test. There will be approximately 10 problems on each quiz. Details on how the quizzes are administered can be found on my webpages.

**Tests**  These will be fairly traditional, so in particular they will be closed book.

**Make-ups**  There will be no make-ups. If it is impossible for a student to take a test, then the score on the final exam will be used to determine the score for the missed test (e.g. if 76 is scored on the 100 point exam, then 38 will be awarded for the missed 50 point test). The student must obtain my permission before! the test to use this option. Also at the end of the semester, your lowest test score will be replaced with the score determined from your final exam in the same manner as above, if it is to your benefit. However if you miss a test, then that counts as your lowest test score.

**Roll**  As according to departmental rules, roll will be taken every day. However it will not affect the grades, except when deciding final course grades in borderline cases. For example if a student finishes with 292\frac{1}{2} points and has a good attendance (at most 2 absences) then I will give B+, whereas if the student has a poor attendance (at least 6 absences), then I will give B.

**Syllabus and Objectives**  This will be based on the Math Departmental assignment sheet: thus the homework there will not be collected, but will be what the tests and exam are based on. The objective of this course is to learn some of the basic methods of solving differential equations which come up naturally in physics, and then to give some applications. The theory of differentiation, integration and matrices from Math 1205, 1206 and 1114 will be used extensively. Math 2214 is a prerequisite for Math 3414, Math 4445, Math 4564 and many courses from other departments.

**Duplicates**  This course duplicates Math 2216, Math 2514, Math 4544.