Syllabus–Math 110.107
Calculus II for Biological and Social Sciences, Fall 2006

General Information

Instructor: Matthew Blair
Email: mblair@math.jhu.edu
Course Website: http://www.math.jhu.edu/~mblair/107.html
Office: Kreiger 220
Office Hours: Wednesday 1:30-3:30 pm in Kreiger 220, and by appointment.


Meeting times/location

Lecture: Monday, Tuesday, and Wednesday at 10 am in Olin 305.

Recitation Sections:
Section 1: Thursday, 9 am, Shaffer 302 (Agarwala)
Section 2: Thursday, 9 am, Gilman 14 (Cutrone)
Section 3: Thursday, 10:30 am, Gilman 20 (Agarwala)
Section 4: Thursday, 12 pm, Shaffer 202 (Cutrone)

Course Description

Separable differential equations, basic linear algebra, multivariable calculus, stability of equilibrium solutions of differential equations, conditional probability and independence, random variables, linear regression. This corresponds to most of the topics in chapters 8-12 of Neuhauser.

Grading Scheme

Your course grade will be determined by the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15 %</td>
</tr>
<tr>
<td>Midterms</td>
<td>45 %</td>
</tr>
<tr>
<td>Final</td>
<td>40 %</td>
</tr>
</tbody>
</table>

Exams

The largest portion of your total grade will be determined by your performance on three exams, two midterms and a final exam. More information regarding date and the content of the midterm will be provided in class as the time approaches. The final exam will be held on Friday, December 15, 9 am-12 pm, location to be announced. Calculators are not to be used during examinations.

There will be no make-up exams. If an exam is missed with a valid excuse, the grade for that exam will be a weighted average of the grades obtained on subsequent exams. The grade for an unexcused exam will be a zero. The Academic Advising Office provides letters for excused absences.
Homework

A strong commitment to solving problems outside the classroom is crucial for your success in this course. Homework will be collected weekly during recitation, except on the weeks of the midterms. Assignments will be posted on the course website. **Late homework will not be accepted.** You are encouraged to work with others on homework, however you must write up each assignment on your own.

On each assignment, only a few select problems will be graded thoroughly. However, your assignment will be checked for completeness as well, to make sure that all parts have been worked out. It is very important that you **show your work** on each assignment, as your grades will largely be based on what you have demonstrated, not the answer on the bottom line. Please take care to hand in a neat, legible assignment and staple the pages together in the corner.

You are also expected to read the textbook outside of class. Reading sections in the book before they are discussed in class will help you to get the most out of class time and to stay on top of the material.

Math Help Room

The math help room is an excellent place to get help outside of office hours. It is staffed with experienced tutors that can answer your questions and assist you with homework problems. It is located in Krieger 213 and open 9 am - 9 pm Monday-Thursday and 9 am - 5 pm on Friday.

Special Aid

Students with disabilities or other special needs who require accommodations must be registered with the disability coordinator in the Office of Academic Advising. Arrangements for testing accommodations should be made well in advance, at least one week before the date of the examination.

Academic Integrity

The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Ethical violations include cheating on exams, plagiarism, reuse of assignments, improper use of the Internet and electronic devices, unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition.

Report any violations you witness to the instructor. You may consult the associate dean of students and/or the chairman of the Ethics Board beforehand. See the guide on “Academic Ethics for Undergraduates” and the Ethics Board web site (http://ethics.jhu.edu) for more information.