Math302: Differential Equations with Applications
Course Information

Lecturer: Chengbo Wang (cwang@math.jhu.edu)
Course Webpage: http://math.jhu.edu/~cwang/302F09/
Office Hours: Krieger 222, Thursdays 3:00--5:00 PM, or by appointment
Lecture 1: MWF 12:00 PM--12:50 PM, at Olin 305
Lecture 2: MWF 1:30 PM--2:20 PM, at Krieger 205

Sections: You must enroll in a specific section, where your homework and exams will go.

<table>
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<tr>
<th>Sec.</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Office</th>
<th>Hours</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>T 1:30-2:20</td>
<td>Ames 234</td>
<td>A. Karami</td>
<td>Krieger 112</td>
<td>TBA</td>
<td>akarami@math</td>
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<td>2</td>
<td>T 3-3:50</td>
<td>Maryland 310</td>
<td>M. McGonagle</td>
<td>Krieger 200</td>
<td>TBA</td>
<td>mcgonagle@math</td>
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<td>3</td>
<td>Th 3-3:50</td>
<td>Hodson 316</td>
<td>M. McGonagle</td>
<td>Krieger 200</td>
<td>TBA</td>
<td>mcgonagle@math</td>
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<td>4</td>
<td>T 4:30-5:20</td>
<td>Maryland 114</td>
<td>L. Xiao</td>
<td>Krieger 201</td>
<td>TBA</td>
<td>lxiao@math</td>
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<tr>
<td>5</td>
<td>Th 1:30-2:20</td>
<td>Bloom 272</td>
<td>A. Karami</td>
<td>Krieger 112</td>
<td>TBA</td>
<td>akarami@math</td>
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<tr>
<td>6</td>
<td>Th 3-3:50</td>
<td>Bloom 176</td>
<td>L. Xiao</td>
<td>Krieger 201</td>
<td>TBA</td>
<td>lxiao@math</td>
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We anticipate covering Chapters 1-3, 6, 7 and 9, and selected material from other chapters.

Grading Policy: 15% Homework, 25% Each Midterm, 35% Final Exam. Grades will be distributed on a curve, if necessary, to ensure that A-level work is rewarded with an A-level grade.

Regrades: Disputes regarding homework grading should be discussed with your TA. You will have an opportunity to review midterm exams in sections. If you believe a grading error was made, return the test paper to your TA at the end of the class period, together with a note explaining which problem is in dispute and what correct work of yours was overlooked.

Homework: Homework will be assigned in class and posted on course homepage, and will be collected on the Monday of the next week, before class.
The following rules apply to homework:

- Turn in homework on time. No late homework sets will be accepted.
- Study groups are encouraged, but homework has to be written down independently.
- Write clearly, stable your homework, with your name clearly at the top. The grader might choose not to grade your homework if it is too messy.
- The lowest score will be dropped when computing your overall homework grade.
**Exams:** There will be two 50 minutes in-class Midterm examinations. The final exam will be held on Friday, Dec 11, 9-12 Noon, location to be announced later.

Exams are closed book, closed notes. There will be no make-up exams. You are expected to attend class and take exams as they are scheduled. If you have time conflicts with an exam or need special arrangements, you must notify the instructor in writing at least one week in advance. For excused absences (for mid-terms), the grade for a missed exam will be a weighted average of the grades for all subsequent exams. Unexcused absences count as a 0. Documentation of illness etc. must be obtained from the Office of Academic Advising.

**Additional Supports**

**Math Help Room** at Krieger 213: Monday--Thursday from 9AM--9PM and Fridays from 9AM--5PM.

**The Learning Den:** Free Small Group Tutoring, Dunning Hall, 3rd and 4th floor, Schedule Information: [http://www.jhu.edu/~advising/tutor.html](http://www.jhu.edu/~advising/tutor.html), tutoring@jhu.edu

**JODE Applets:** There are a number of Java Applets designed to help you understand the behavior of ODEs on a visual level. By taking the work out of producing diagrams and slope fields, this enables you to play with examples and look for patterns without getting bogged down in detailed computations.

**Special Aid**

If you are a student with a disability or believe you might have a disability that requires accommodations, please contact Dr. Richard Sanders, in Student Disability Services, 385 Garland, (410) 516-4720, studentdisabilityservices@jhu.edu.

To arrange for testing accommodations, the request must be submitted to the instructor at least 7 days (including the weekend) before each of the midterms. You may make this request during office hours, after class or by sending me an email.

**Academic Ethics**

Cheating is wrong. Cheating hurts our community by undermining academic integrity, creating mistrust, and fostering unfair competition. The university will punish cheaters with failure on an assignment, failure in a course, permanent transcript notation, suspension, and/or expulsion. Offenses may be reported to medical, law, or other professional or graduate schools when a cheater applies.

Violations can include cheating on exams, plagiarism, reuse of assignments without permission, improper use of the Internet and electronic devices unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition. Ignorance of these rules is not an excuse.

The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. See the guide on "Academic Ethics for Undergraduates" and the Ethics Board Web Site (http://ethics.jhu.edu/) for more information.