

**SYLLABUS FOR MA 30300, DIFFERENTIAL  
EQUATIONS AND PARTIAL DIFFERENTIAL  
EQUATIONS FOR ENGINEERING AND THE  
SCIENCES, FALL 2017**

Instructor: Baiying Liu

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Office hours: M, W, 1:15-3:15 PM.

Lecture when and where:

MWF 9:30 – 10:20, UNIV 219 (for section 074)

MWF 10:30 – 11:20, UNIV 219 (for section 075)

**Course website:**

Under <http://www.math.purdue.edu/~liu2053/math303-2017.html>, you can find this syllabus as well as some other info about the course.

The department course webpage is <https://www.math.purdue.edu/academic/courses/coursepage?subject=MA&course=30300>.

The WebAssign student login page is <https://www.webassign.net/wa-auth/login>. Your name will appear on the classlist only after you log in, so, please log into your WebAssign account during the first week.

**Textbook:**

Boyce-DiPrima, Elementary Differential Equations and Boundary Value Problems, 10th edition, with WebAssign Plus 1 Semester Set. <https://www.amazon.com/dp/1119075297>.

Note that you have the option of buying an e-book from WebAssign.

**Calculators:**

Calculators are NOT allowed on tests and quizzes. All quizzes and exams will be closed book, closed notes, with no paper or electronic devices allowed.

**Homework:**

Online homework (Webassign) is due by Thursday evening 11:58 PM.

Hand-Graded homework is due every Friday at the beginning of class.

**No late assignments will be accepted.**

The homework due in any given week is the homework corresponding to the material of the previous week. Homework must be readable and **must be stapled**. Illegible scribbling will receive no credits from the grader.

You are encouraged to attempt all the questions and discuss with your classmates. However, the write-up must be of your own.

### Quizzes:

There will be some quizzes given (basically biweekly) in the last 10-15 mins of the class on Friday (will be announced one-week ahead in class and online in WebAssign).

### Midterms:

There will be two evening midterms,

1. **Thursday, 08:00-09:00 PM, Oct. 5th, at ARMS 1010.**
2. **Thursday, 06:30-07:30 PM, Nov. 9th, at ARMS 1010.**

There are no make-up exams. In extreme situations, at most one midterm could be missed upon permission of the lecturer. And the missing midterm score will be the average of another midterm and 50% of the final exam.

Due to the University policy, for each evening midterm exam, one class time will be canceled. So, **NO CLASSES on 9/18 and 11/20.**

### Final Exam:

The Final Exam will be given during the Final Exam Week. The location and date of the final will be announced in class.

There are no partial credits for multiple choices problems in either midterms and final exam.

### Course Grade:

Your course grade will be determined using the following distributions:

|                                        |     |
|----------------------------------------|-----|
| Homework (Online + Hand-Graded) + Quiz | 20% |
| 2 Midterms, 20% each                   | 40% |
| Final Exam                             | 40% |

The worst 6 homework, quizzes scores will be dropped.

### Statement for Students with Disabilities:

In this mathematics course accommodations are managed between the instructor, student and DRC Testing Center. Students should see instructors outside class hours before or after class or during office hours

to share your Accommodation Memorandum for the current semester and discuss your accommodations as soon as possible. For more information, see <http://www.math.purdue.edu/academic/courses/ada>.