

MA 226, Spring 2023 (Tue/Thu 9:30–10:45AM @ LSE B01)

- **Instructor:** Yu-Shen Lin
Office: CCDS 507
Email: yslin@bu.edu
- **Office hours:** Tue 3-4pm, Wed 9:30-11:30, Thu 1-2:30pm.
- **Sessions:** Tue 2pm-2:50pm, 3:35pm-4:25pm
Wed 9:05-9:55am, 10:10am-11am, 4:40-5:30pm.
- **TF: TBD**
Office hour : TBD
- **Other Resources:**
 1. The tutoring room
- **TextBook:** Differential Equations, by P. Blanchard, R. L. Devaney and G. R. Hall, 4th edition. The ISBN is ISBN 978-1133109037. A copy is available on reserve at the BU science & engineering library.
- **Story time:** There is no requirement of attendance for the course. Instead, I will have a 5 minutes story time before the class about real life applications of mathematics (may or may not directly related to MA 226). I wish I can convince everyone of you at the end of the semester that math can be fun and useful.
- **Homework:**
 1. There will be weekly homework assignment (except for the first two weeks). You either turn in physical HW, collected at the beginning of your discussion section or upload it to Blackboard before Tue 11:59pm the same week. **Late assignments will not be accepted unless with letter from dean/doctor due to family/medical emergency. Especially for those who tend to turn in the homework online, you may want to submit the homework before the last minute!** Please write down **your name, BU ID, and discussion section** clearly at the top of the front page of each assignment.
 2. Each homework would worth 10 points including

- (a) **2 points for efforts:** You will get 2 points for finishing enough problems in each homework.
 - (b) **8 points for correctness:** Four of the problems will be graded and each problem would be 2 points. You will not be told which ones would be graded in advance.
3. **Two of your lowest written homework will be dropped.**
 4. You are encouraged to discuss/work on the homework together, but you must write up your final answers by yourself.

- **Exams:**

1. There are two midterms and one final. Both midterms are in the usual class meeting time and place. **Midterm 1 is on Feb 28 and Midterm 2 is on Apr 6. The final is TBD by the University Please understand that University policy states that you must take the final exam at the scheduled time.**
2. The exams will be close book and without calculators. A hand written index card of size 3" x 5" is allowed.
3. Out of sequence exams will only be offered due to a **medical/family emergency** documented by a note from a **doctor/dean** or isolation due to Covid-19.
4. If you feel that the exam is graded incorrectly, please submit the regrade request to Yu-Shen within one week after it is returned. The whole exam will be regraded.

- **Grades:**

The grades will be calculated base on the following: **Homework (20 %), First Midterm (20 %), Second Midterm (25 %) and Final exam (35 %)** There will be no extra credit project offered.

Syllabus The following is a tentative schedule of this semester and the corresponding sections in the textbook (subject to change).

wk	Date	Section in the Textbook
1	1/19	1.1
2	1/24, 1/26	1.2-1.5
3	1/31, 2/2	1.5-1.7
4	2/7, 2/9	1.7-1.9
5	2/14, 2/16	2.1-2.3
6	2/23	review, 2.4
7	2/28, 3/2	midterm I 2.5-2.6
8	3/7, 3/9	Spring Recess
9	3/14, 3/16	2.7, 3.1-3.2
10	3/21, 3/23	3.5-3.7
11	3/28, 3/30	4.1-4.3
12	4/4, 4/6	Review, Midterm II , 4.3
13	4/11, 4/13	4.4, 5.1
14	4/18, 4/20	5.2, 6.1-6.2
15	4/25, 4/27	6.3-6.4
16	5/2, 5/4	Review

Each week (usually on Wednesday) I will send out the homework announcement via Blackboard. Each homework may consists four parts:

1. Homework problems: these will come with * and you have to turn them in the sessions. These problems might appear in the exams.
2. Suggested (reading) problems: these are the problems that I suggest for practice and might appear in the exams.
3. Reading: this suggests the corresponding part of the textbook we cover from previous week.
4. Further reading/problems: we won't test you these but might help you have a further understanding of the material.