Syllabus for Math 242

1 Course Information

The topics covered in Math 242 are integration techniques and applications, series and approximations, and differential equations. In order to take the course you must satisfy one of the following:

- you must have passed Math 241,
- received a B or better in Math 215, or
- have obtained permission from the instructor.


The lectures will be held in 303 Keller Hall, Tuesday and Thursday 9:00-10:15am.

2 Instructor

Instructor: Dr. Achilles Beros

Email address: beros@math.hawaii.edu

Office: 306 Keller Hall

Office Hours: Monday 1:30pm-2:30pm, Tuesday 1:20pm-2:20pm and Thursday 1:20-2:20pm.

3 Grading

The course grade will be assigned based on 5 components.

- Midterm 1 (22.5%) (February 25, 2016, in class)
- Midterm 2 (22.5%) (March 31, 2016, in class)
- Homework (10%)
- Quizzes (15%)
- Final Exam (30%) (May 11, 2016, 12-2pm)

The exam dates and times are fixed. No makeup exams or alternate times will be possible. Genuine, documented medical/family emergencies will be considered on a case by case basis.

Quizzes and homeworks will be due weekly. The two lowest quiz scores and the two lowest homework scores will be dropped. There will be no makeup quizzes and no late homeworks.

The homeworks and quizzes will, in part, be graded on the clarity of your work. Make sure that you organize your thoughts and explain your work. For the homework, it useful to do a rough draft and then a final draft.
4 Policies

- The use of computational or network-connected devices (e.g., calculators, smartphones, tablets, laptops etc.) is strictly forbidden during in-class exams and quizzes.
- The midterms and quizzes are all closed book and closed notes. Whether a formula sheet will be allowed for the final exam will be announced later in the semester.
- The quizzes will be ten minutes long and will be conducted at the end of the recitation period.
- Homework will be due by the end of the recitation period.
- Discussion of homework assignments is permitted, but solutions must be written up independently.
- Answers without explanation or work justifying the answer will receive no credit.

5 Teaching Assistant

The teaching assistant for this course is Igor Nikitin. His office is 403C Keller Hall. His email address is igor@hawaii.edu.

6 Curriculum Schedule

The following is the intended weekly schedule for the curriculum. The dates are likely to change somewhat.

1. 1/12-1/14: §7.1 – 7.3
2. 1/19-1/21: §7.4 – 7.5
3. 1/26-1/28: §7.5 – 7.6
4. 2/2-2/4: §8.1 – 8.2
5. 2/9-2/11: §8.3
6. 2/16-2/18: §§ 8.4 and §8.6
8. 3/1-3/3: §9.2 – 9.3
9. 3/8-3/10: §9.4 – 9.6
10. 3/15-3/17: §9.7 – 9.8
11. 3/22-3/24: (No lecture, Spring Recess)
12. 3/29-3/31: §9.9 (Midterm 2 covering §9.1 – 9.8)
13. 4/5-4/7: §9.1 & § 16.1 – 16.2
14. 4/12-4/14: §17.1 – 17.2
15. 4/19-4/21: §17.5
16. 4/26-4/28: TBA
17. 5/3: Review

7 Homework Assignments

The homework problems for the semester are all on the course website http://math.hawaii.edu/~beros. Each Friday, the assignment due the following Friday will be selected from the posted problems.