Syllabus for Math 241

1 Course Information

The topics covered in Math 241 are limits, differentiation, applications of differentiation and integration. The prerequisites for Math 241 are Math 140, Math 215 or an appropriate placement exam.


The lectures will be held in 302 Keller Hall, Monday, Wednesday and Friday 11:30am-12:20pm.

2 Instructor

Instructor: Dr. Achilles Beros
Email address: beros@math.hawaii.edu
Office: 306 Keller Hall
Office Hours: Monday 3:30pm-4:30pm, Wednesday 10am-11am and Friday 3:30pm-4:30pm.

3 Grading

The course grade will be assigned based on 5 components.

- Worksheets (5%)
- Homework (10%)
- Quizzes (15%)
- Midterm 1 (15%) (September 14, 2016, in class)
- Midterm 2 (15%) (October 12, 2016, in class)
- Midterm 3 (15%) (November 16, 2016, in class)
- Final Exam (25%) (December 14, 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.

The following grades are guaranteed, although the cutoffs for the grades may go down:

- 85% guarantees an A- or better
- 75% guarantees an B- or better
- 60% guarantees an C- or better
• 50% guarantees an D or better

Homeworks will be due weekly on Friday in lecture. Quizzes will be administered at the end of the recitation period. The worksheets will be due during the recitation period before the quiz. The two lowest quiz scores, the two lowest homework scores and the two lowest worksheet scores will be dropped in order to allow for sickness or necessary absences. 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. The quizzes will always have two problems, one of which will be a problem from the week’s worksheet.

• Homework will be due by the end of lecture on Friday.

• 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 David Webb. His office is 412 Keller Hall. His email address is dwebb@math.hawaii.edu.

6 Curriculum Schedule

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

1. 8/22-8/26: 2.1, 2.2
2. 8/29-9/2: 2.3, 2.4
3. 9/7-9/9: 2.5, 2.6 (9/5 is a holiday)
4. 9/12-9/16: 3.1 (Midterm 1 on 9/14)
5. 9/19-9/23: 3.2, 3.3, 3.4
6. 9/26-9/30: 3.5, 3.6
7. 10/3-10/7: 3.7, 3.8
8. 10/10-10/14: 4.1 (Midterm 2 on 10/12)
9. 10/17-10/21: 4.2, 4.3, 4.4
10. 10/24-10/28: 4.5, 4.6
11. 10/31-11/4: 4.7, 5.1, 5.2
12. 11/7-11/9: 5.3, 5.4 (11/11 is a holiday)
13. 11/14-11/18: 5.5 (Midterm 3 on 11/16)
14. 11/21-11/23: 5.6, 6.1 (11/24 and 11/25 are holidays)
15. 11/28-12/2: 6.2 and review
16. 12/5-12/7: Review

7 Homework Assignments

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