

MATH 334: Introduction to Differential Equations

Fall 2011

Textbook: *Elementary Differential Equations and Boundary Value Problems*, 9th edition, by Boyce and DiPrima.

Syllabus: Chapters 1 - 7, and later chapters if time allows.

Final Grades:

Midterm Examination 1	25%
Midterm Examination 2	25%
Final Examination	50%

- A total raw grade of 50% or more will guarantee a pass (D or better).
- A total raw grade of 97% or more will guarantee an A+.
- Grades are assigned based on the performance of all students in all sections using historical averages as a guideline.

Assignments:

- Every week a set of "homework problems" will be posted with answers (but without solutions). They will **not** be collected.
- Solutions to each homework will be posted one week later. You are encouraged to work on the homework problems before the solution is posted and only use the solutions to check your answers.
- If you prefer, you can write down your detailed solutions to some homework problems and give to me (in class, in office hours, via the envelope outside my office door, through email...) for grading. These "grades" are for your information only and have no effect on final grade.

Quizzes:

- There will be "surprise" 5 to 10-min quizzes at the end of randomly picked lectures.
- Quizzes are closed book (violation of this has no consequence on your grades though).
- These quizzes do not count toward final grades. Participation is voluntary.
- Quizzes will be graded.
- Due to the time-limit, calculation involved in quizzes may be significantly simpler than in exams.

Practice Problems:

- A categorized (Basic, Intermediate, Advanced, Challenge) list of selected problems in the textbook will be posted.

Midterm Exam: Midterm 1: 12pm Friday 7 October 2011 in class (temporary).
Midterm 2: 12pm Wednesday 9 November 2011 in class (temporary)
No deferred midterms. Weights of missed midterms will be moved to the final.

Final Exam: 2PM Thursday, 15 December 2011. **Final is cumulative.**

Deferred Exam: 9AM Saturday, 14 January 2012 in CAB 528 (the old library). (requires approval of your Faculty Office).

Exams:

Your student photo I.D. is required at exams to verify your identity. Students will not be allowed to begin an examination after it has been in progress for 30 minutes. Students must remain in the exam room until at least 30 minutes has elapsed. Electronic equipment cannot be brought into examination rooms.

Re-examination:

In addition to the requirements set out in Section 23.5.5 of the Academic Calendar, students wishing to be considered for a re-examination must have, excluding the final, completed at least one half of the term work. Term performance will be considered in the decision to grant reexamination.

Web Site:

On <http://www.math.ualberta.ca/~xinweiyu/334.1.10f/index.html>, you can find

- ✓ Course calendar; Check it often for announcements, etc.
- ✓ Lecture notes and other supplemental materials.

Absences:

If you cannot submit an assignment for a valid reason, please inform your course instructor **before** the due time. Documentation is not required for incidental absences, but instructors reserve the right to require a Statutory Declaration if you are often absent. Doctors' notes are not required. You must complete a Statutory Declaration if you are absent from a midterm or final exam. Statutory Declarations can be completed at the Faculty of Science Office in the Biological Sciences Bldg.

Student Behavior:

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behavior, which can be found online at <http://www.ualberta.ca/secretariat/appeals.htm>, and avoid any behavior, which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

SSDS:

Students who require accommodations in this course due to a disability affecting mobility, vision, hearing, or mental or physical health are advised to discuss needs with Specialized Support and Disability Services, 2-800, SUB, (phone) 492-3381 or (TTY) 492-7269.

More on Exams:

- ✧ More than half of exam problems will be selected from either homework or practice problems.
- ✧ Distribution of points: 50% "basic", 30% "intermediate", 15% "advanced", 5% "challenge".