

MA 481G 001 Differential Equations (Spring 2016)

1. MEETING TIMES AND PLACE: MWF 1:00–1:50 p.m.; CB 345.
2. INSTRUCTOR: Chi-Sing Man. PHONE: 257-3849.
OFFICE: POT 757. E-MAIL: cman@uky.edu.
OFFICE HOURS: MW 2:00–3:00 p.m., and by appointment.
3. TEXT: Earl A. Coddington, *An Introduction to Ordinary Differential Equations*, Dover, 1989.
4. SYLLABUS: This course will cover the following Chapters of the text by Coddington:
 - Chapter 0, Preliminaries;
 - Chapter 1, Introduction—linear equations of the first order;
 - Chapter 2, Linear equations with constant coefficients;
 - Chapter 3, Linear equations with variable coefficients;
 - Chapter 4, Linear equations with regular singular points;
 - Chapter 5, Existence and uniqueness of solution to first order equations.

Topics already covered in MA 214 will either be skipped or be reviewed quickly.

5. ATTENDANCE POLICY: You are responsible for all lecture material and announcements made in class. Attendance will not be recorded, however.
6. POLICY ON IN-CLASS USE OF LAPTOP, TABLET, OR SMART-PHONE: Using the laptop, tablet, or smart-phone in class for internet surfing, etc., is highly distracting to fellow students and to the instructor. No student may use the laptop, tablet, or smart-phone in class unless he/she has secured special permission from the instructor.
7. E-MAIL COMMUNICATIONS: You should send a blank e-mail to the instructor by January 15 (Friday) to provide him with your *preferred* e-mail address. All homework assignments and course announcements will be sent to the e-mail addresses of the class he has on file.
8. HOMEWORK ASSIGNMENTS: Students must hand in each homework assignment at the beginning of the lecture on the day the assignment in question is due. Late returns, including homework turned in at the end of class, will not be accepted except in the case of a valid excuse. Students may work together when completing assignments, but each person must write up one's own homework assignments.
9. ACADEMIC INTEGRITY: All violations of academic integrity will be taken seriously and dealt with according to university regulations.

10. **EXAMINATIONS AND MAKEUPS:** Individuals who miss an examination will be given a zero unless they have an official excuse. Make-up examinations will be permitted only for “excused absences”. All makeups will be given during the final week of classes.
11. **GRADES** will be determined on the following basis:
- homework assignments, total = 200 points;
 - two in-class examinations (see below for schedule), each of which carries 100 points;
 - final examination, 200 points.

The letter equivalents of the numerical grades for graduate students are as follows:

Numerical Grade	Letter Equivalent
520 – 600	A
440 – 519	B
360 – 439	C
0 – 359	E

The letter equivalents of the numerical grades for undergraduates are as follows:

Numerical Grade	Letter Equivalent
500 – 600	A
420 – 499	B
360 – 419	C
300 – 359	D
0 – 299	E

If the overall class average on any examination is too low to ensure a fair distribution of grades, the grades for that examination will be curved to raise the class average.

12. **TENTATIVE SCHEDULE OF IN-CLASS EXAMINATIONS:**

Exam 1 : Friday, February 26, 2016
Exam 2 : Friday, April 8, 2016

13. **FINAL EXAMINATION:**

Date: Tuesday, May 3, 2016.

Time: 10:30 a.m.–12:30 p.m.

Place: CB 345.