SYLLABUS
MATH 2174 (20910): Linear Algebra and Differential Equations for Engineers
Autumn 2014

GENERAL INFORMATION

• **Lectures:** MWF 10:20am-11:15am in 0235 Stillman Hall

• **Instructor:** Davide Fusi
  **Office:** MW 530
  **Office hours:** Tuesday 1:40pm-2:40pm, Wednesday 11:30am-12:30pm, Friday 11:30am-12:30pm, or by appointment
  **Phone:** 614-292-5912
  **Email:** fusi.1(AT)math(DOT)osu(DOT)edu or fusi.1(AT)osu(DOT)edu

• **On-line information at:**
  [https://people.math.osu.edu/fusi.1/Math2174.html](https://people.math.osu.edu/fusi.1/Math2174.html)
  **PLEASE CHECK IT REGULARLY:** important information may be posted there, including weekly homework assignment.

• **Attendance:** is required for all classes. Should you miss a class, it is your responsibility to get notes from your classmates.

COURSE CONTENT

• **Textbooks:**
  **Part I: Title:** Elementary Ordinary & Partial Differential Equations
  **Edition:** OSU Custom
  **Author:** Boyce
Publisher: Wiley
ISBN: 9781119934462
Part II Title: Introduction to Linear Algebra
Edition: 5th
Author: Johnson, Riess & Arnold
Publisher: Pearson
ISBN: 9780321628217

- **Material covered:** Matrix theory, eigenvectors and eigenvalues, ordinary and partial differential equations.

- A more detailed **course description** can be found at:
  http://math.osu.edu/courses/2174

GRADING

Components

There will be two midterms, one final exam, regular weekly homework and one group project. The final grade is cumulative.

Grade distribution:

30% Final
40% Midterms:
  20% 1st Midterm
  20% 2nd Midterm
20% Homework
10% Project

Homework assignments

Homework assignments are updated each week on the course website:

https://people.math.osu.edu/fusi.1/Math2174.html

No late homework will be accepted, but I will consider your best ten assignments when finding the homework mean for the term. Homeworks must be turned in at the beginning of the class.
Project

TBA

Midterms

**Midterm 1:** Friday October 3.
**Midterm 2:** Monday November 10.

Attendance at both midterms at the scheduled time and place is required. Students must bring their **OSU ID** to all exams in order for their exams to be properly recorded.

**Make-ups on midterms** will be allowed only with prior notice and only if an emergency occurs. In this case, **official documentation** or a **doctors certificate** will be required.

If you have provided a suitable justification, I will assign to the missing exam the same grade you will get in the final exam. Alternatively, given sufficient notice, I may be willing to reschedule the exam.

Final

**Final Exam:** Thursday December 11, from 10:00am to 11:45am.

Attendance at the final exam at the scheduled time and place is required. Students must bring their **OSU ID** to all exams in order for their exams to be properly recorded.

Students **should not make travel arrangements that conflict with the final exam.** Such a conflict is **not a valid reason** for missing the regularly scheduled final exam.

**DISABILITY STATEMENT**

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the
instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone (614) 292-3307 and VRS (614) 429-1334; webpage:

http://www.ods.ohio-state.edu

ACADEMIC MISCONDUCT STATEMENT

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term academic misconduct includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct:

http://studentaffairs.osu.edu/csc/

RESOURCES

• Questions are most welcome during classes.

• For longer questions, you are invited to discuss with me during office hours. If you cannot come during office hours, please write me an email and we will fix an appointment at a time which is convenient for you.