Syllabus — Math 2568

Autumn 2013 — Jim Fowler

By using linear algebra, seeming different "linear" things in algebra, geometry, and calculus—things like systems of certain equations, rigid motions in geometry, certain differential equations—can be placed in a common framework of vectors, matrices, and linear transformations. Viewing different things as somehow analogous provides not only insight, but also a common toolkit of surprisingly powerful algorithms.

Office hours

If you have questions, want to work through linear algebra problems, or just talk about mathematics, please attend office hours.

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Office Hours: Monday at 4P.M. and Thursday at 2P.M. and by appointment

Please email me with any concerns you have; the success of this course depends on open communication.

Textbook

Our text is the fifth edition of *Introduction to Linear Algebra* by L. W. Johnson, R. D. Riess, and J. T. Arnold, published by Pearson. The textbook's ISBN is 0–201–65859–3.

Website

I will post handouts on Carmen.

Lectures

We meet weekdays from 9:10A.M. until 10:05A.M. in Lazenby Hall 0002 for an interactive lecture.

Assessment

There are 824 points possible in this course; earning an A or B or C or D requires earning 741 or 659 or 576 or 494 points, respectively. The 824 points are broken down as follows.

12 quizzes (144 points; 12 points each). An in-class quiz is scheduled most weeks on Friday, and returned the following Monday.

2 midterms (280 points; 140 points each). The first midterm is Friday, September 20; the second midterm is Friday, November 1.

1 final exam (400 points). The final examination will be held in our usual classroom at 8:00A.M. on Wednesday, December 11, 2013. Students who earn 368 points on the final exam will earn an A for the course as a whole.

Extra credit

Very occasionally, I may provide a worksheet you can complete for a few extra credit points.

You may use certain electronic calculators on exams

A "scientific calculator" may be used on quizzes and exams, but it certainly is not necessary. Calculators with graphical capabilities and computer algebra capabilities (such as the TI–84, TI–89, or TI–92) will not be allowed. Laptops, tablets, mobile phones, and the like are also forbidden.

That said, it is my responsibility to produce exam questions which can be answered without resorting to an electronic calculator.

Academic Misconduct

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 at `http://studentaffairs.osu.edu/resource_csc.asp`

Disabilities

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
Columbus, OH 43210

and can be reached by telephone at (614) 292–3307, by video relay service at (614) 429–1334, and on the web at `http://www.ods.ohio-state.edu/`.