

Summer Term 2008

Math 341

MUWHF 1:00-1:50 PM 303 Deady Hall

Instructor: Ruth Vanderpool

Office Hours: U 12:00-12:50

W 12:00-12:50

H 12:00-12:50

CRN 41289

Office: Deady 1a

Phone: 346-4703

e-mail: rvanderp@uoregon.edu

Webpage: <http://www.uoregon.edu/~rvanderp>

Course Description:

This course introduces vector and matrix algebra as a means to study both linear systems of equations and geometric constructs. Topics such as linear independence, dimension, linear transformations, rank and nullity, and determinants will be covered as the term progresses. Math 252 is the official prerequisite but implicit in this statement is mastery of materials covered in Math 111, 112, and 251.

Useful Items:

- Text: *Applied Linear Algebra and Matrix Analysis* by Thomas S. Shores

Important Dates:

7/18	Midterm	6/27	Last day to drop without a W
8/15	Final (1-3pm)	6/30	Last day to add a class
		7/30	Last day to withdraw

Notes:

- There will be no tolerance for cheating. If caught, any and all disciplinary action will be pursued. All exams and quizzes are to be done individually unless otherwise specified. You are encouraged, however, to work together on the homework and form study groups outside of class.
- If you need any special accommodations, please let me know.
- Attendance will not be taken, but there is a well recognized strong correlation between attendance and understanding in math classes. In addition to this, material and announcements made in class will not be repeated and it will be your responsibility to locate this information if you miss or are tardy to class.
- While I have attempted to make this syllabus as complete as possible, adjustments will be made throughout the course. Announcements will be made during class and it is the responsibility of the student to keep updated if class is missed.

Homework Policy:

This is traditionally the first time students encounter completely abstract concepts in their studies and they often struggle because of it. Formulas are surprisingly absent here and the homework requires as many words as calculations. Use your homework as a means to internalize the definitions and concepts covered in the course and realize that this will take a great deal more time than computations you may have done in the past for other math courses.

Keep in mind that after working a problem for a while you may still not have an answer and not have time to come back to it later. If this happens try to isolate the issue that is causing you trouble for this specific problem. Consolidate it into a question and write it down in the form of an essay. This question will serve as your answer to the homework question, and if well formed and specific enough, you will receive full credit for your answer.

Homework will be assigned regularly at the beginning of class and collected weekly on Fridays with a portion of time on Thursday set aside to answer homework questions.

Quizzes:

A quiz is given every week at the instructor's discretion. Generally you will be given 15 to 20 minutes for the quizzes at the end of class. No make up quizzes, unless previously arranged, will be given, but I will drop the lowest scoring quiz so that you have some flexibility.

Outside Resources:

Come visit me if you have questions! If you find that you cannot make my posted office hours do realize that I welcome appointments and am willing to try to work around your schedule. Peers are also an invaluable resource that I recommend you not only direct questions to, but work regularly with. If these options do not appeal to you, you are welcome to visit the the Academic Learning Services as they keep a list of qualified tutors on hand.

Grades:

The following weights will be used to calculate your grade with the provision that the course grade cannot be more than one letter grade different from that received on the final exam.

		%	Grade
Homework	20%	100-90	A
Quizzes	15%	89-80	B
Midterm	30%	79-70	C
Final	35%	69-60	D
		59-0	F