

Mathematics 341 Winter 2008

Professor: Dr. Maria Fung
Office: AA 305

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CLASS MEETS

12-12 :50 p.m. in AA 101

on Monday, Friday;

in NS 215 on Tuesday;

in ITC 310 on Wednesday

Dr. Fung's OFFICE HOURS & SCHEDULE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9-10	Prep	<i>Office Hour 9:30 to 10 a.m.</i>	Prep	Usually not on campus	Prep
10-11	Math 212	Math 212	Math 212		Math 212
11- 12	<i>Office Hour</i>		<i>Office Hour</i>		<i>Office Hour</i>
12 – 1	Math 341	Math 341	Math 341		Math 341
1 – 2	Lunch	Lunch	Lunch		<i>Office Hour</i>
2 - 3	<i>Office Hour</i>	Math 395	<i>Office Hour</i>		Math 395
3-4	Independent Study		Independent Study		

Office hours are for you, so please do come to introduce yourself in more detail to me and feel free to drop by for help. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course or make a special appointment to see me.

PREREQUISITES: Math 251, 252 & concurrent enrollment in Math 254.

REQUIRED COURSE MATERIALS:

- ❖ “Visual Linear Algebra With Maple and Mathematica Tutorials” by Eugene A. Herman and Michael D. Pepe
- ❖ Use of the software package Maple

CLASS WEB PAGE

There will be a link for the Math 341 web page on my home page:

<http://www.wou.edu/~fungm>

COURSE PURPOSE and CONTENT

The purpose of this course is to familiarize mathematics majors and minors with the basis of the subject of linear algebra. This first course will focus on systems of linear equations, vectors, matrices and algebraic operations with matrices, linear transformations, vector spaces, determinants, and eigen-values and eigen-vectors.

COURSE STRUCTURE

Class will be a mix of short lectures, activities and problem-solving sessions. We will also have 10 Maple labs on Wednesdays. Please bring your text to class every day!

ATTENDANCE

Daily attendance is required for your success in this course. If you miss class it is your responsibility to ask a classmate for notes on the material that you have missed. I will not have discussion notes available if you have missed class nor will I repeat my discussion during office hours

HOMEWORK

There will be a variety of homework assignments given in this course. There will be four main categories of homework assignments:

- Text Homework
- Lab Reports
- Final Project
- In-class Activities (completion of)

HOMEWORK

- Homework from our textbook will be assigned on a daily basis and will be due on Fridays. Completing your homework in a timely fashion will be integral to your success in this course. Exams will be mostly based on homework problems, and in-class activities.

- You will find that if you do not do all of your homework you will not succeed in learning the material covered in this course.

LAB HOMEWORK

Lab homework will be assigned each Wednesday and will be due the following Wednesday.

FINAL PROJECT

You will be assigned to do a group final project in this course. This project will focus on the applications of linear algebra and it will involve writing a short paper on the subject and giving a short presentation during the final exam time from noon to two on March 21, 2008.

COURSE GRADING

Exams (two 2x10% and a final exam worth 20%)	40% of course grade
Final Project and Presentation	15% of course grade
Lab Reports	15% of course grade
Homework	20% of course grade
Class Notebook at the end of the term	10% of course grade

EXAMS

There will be two exams given during the term. Please consult the tentative schedule for dates. There will be a take-home final exam passed out during the last week of classes.

READINGS

Reading each section of the textbook before coming to class is mandatory. Please bring two questions about each section to class. Bringing these will count towards your homework grade.

LATE WORK POLICY

Your work is due by 4 p.m. on the due date. All due items may be turned in, unexcused, 1 class day late (by 12 noon) for 75% credit or 2 class days (by 12 noon) late for 50% credit. Any item turned in after 4 p.m. on a due date will be considered late.

LEARNING DISABILITIES

If you have a documented learning disability, please talk to me **during the few days of class**, I will be more than happy to accommodate you in any way that I can. You must go to the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can go by APSC 405 or contact ODS at (503) 838-8250 to schedule an appointment.

INCOMPLETE POLICY

If you are passing this course and have a documented reason for not being able to complete the course, I may be able to grant you an incomplete. You must obtain my agreement if you wish to have a grade of incomplete recorded.

CELL PHONE POLICY

Cell phones are **NOT** permitted during class. You need to turn your cell phone completely off and keep it off and out of sight during the whole class period. You may NOT use cell phones as calculators. If you have an emergency situation, you can contact me for a special permission to keep your cell phone on quiet (“vibrate”) setting.

**STANDARD GRADING SCALE FOR THIS COURSE
(Total % for the course, usual rounding rules apply)**

%	Grade	%	Grade	%	Grade	%	Grade	%	Grade
93 – 100	A	90 – 92	A-	87 – 89	B+	83 – 86	B	80 – 82	B-
77 – 79	C+	73 – 76	C	70 – 72	C-	60 – 69	D	Below 60	F