COURSE INFORMATION

Instructor: Dr. Louiza Fouli
Office: WH 214
Email: lfouli@math.nmsu.edu
Telephone: 575-646-2201
Website: http://www.math.nmsu.edu/~lfouli
Course Website: http://www.math.nmsu.edu/~lfouli/courses/spring14/math280/index.html
Class Time: Tues-Thurs 2:35pm-3:50pm SH 109
Office Hours: Mondays 1:30pm-2:30pm
Wednesdays 1:30-2:30pm
Or by appointment

COURSE OBJECTIVES:

Students will learn the theory of linear algebra, including systems of linear equations, vector spaces, linear transformations, determinants, and eigenvalues. Applications of these topics will also be studied. Students will be exposed to mathematical reasoning, proofs, and abstract structures, and will learn methodologies of mathematical proof.

PREREQUISITES:

Grade C or better in Math 192G.

TEXTBOOK:

We will cover most of Chapters 1–5 and part of Chapter 6.

COMPUTER ALGEBRA SYSTEM/CALCULATORS:

A computer algebra system, such as Scientific Workplace, Maple, MatLab, Mathematica or MuPad will be useful for some matrix problems. Most graphing calculators have matrix functionality. The computers in the SH 118 have Scientific Workplace installed. Calculators will not be allowed on quizzes and exams.

HELP WITH COURSE CONTENT:

Students are encouraged to attend office hours regularly. Office hours give students an excellent chance for in-depth discussion of class materials and problems. Even if you don’t have specific questions to ask, listening to other students’ questions can be quite valuable. Asking questions in class and by e-mail (lfouli@math.nmsu.edu) is also encouraged.

Additional help is available at the Mathematics Tutoring Center (WH 101). Not all of the Tutors know Linear Algebra, so you must ask the Instructor on Duty for help in finding an appropriate tutor.

Tutoring Center hours: Monday - Thursday: 9:00 am - 8:00 pm, Friday: 9:00 am - 5:00 pm.
ASSIGNMENTS, EXAMS AND GRADES:

HOMEWORK:
I will assign homework on a weekly basis. Assignments will typically be due on Thursdays at the beginning of class. **No late homework will be accepted.** The homework assignments will be announced in class and posted on the course website.

QUIZZES:
There will be 5 quizzes during the semester. The tentative dates are: 01/28, 02/11, 02/25, 03/18, and 4/8. The material you would be responsible for each quiz will be announced in class, and on the course website in advance.

EXAMS:
There will be two midterm exams. The tentative dates for the exams are:
- **Exam 1: March 4th**
- **Exam 2: April 22nd**
If you have a conflict with the exam times, let me know immediately.

FINAL EXAM:
The final exam will be cumulative. It is scheduled for **Thursday, May 8th, 3:30pm–5:30pm.**

GRADES:
I will use the following allocation for calculating your final grade:
- Homework 20%
- Quizzes 15%
- 2 Exams 20% each
- Cumulative Final Exam 25%

Your final (letter) grade will be determined approximately by the usual 90-80-70-60 % cut-offs of a total numerical grade. The final letter grades will be including fractional grades such as A+, A-, etc. The instructor reserves the right to modify the grading scale if considered appropriate. Changes (if any) would be in the students’ benefit. The grades will be posted on Canvas throughout the semester.

COURSE POLICIES:

ATTENDANCE:
It is your responsibility to attend class. I expect you to arrive on time and to remain for the full class period.

EXTRA CREDIT WORK:
There will be **NO** extra credit work offered in this course. Therefore, plan accordingly to meet the specified requirements in order to pass this course.

COMMUNICATION:
I plan to use e-mail as the main communication tool. Please make sure you check your official nmsu e-mail often or have your e-mail forwarded to an e-mail account you check often.
WITHDRAWALS AND INCOMPLETES:
You have the primary responsibility for withdrawing from the course. I will authorize the secretary in the Math Office (SH 236) to sign drop slips for me, in case I am not available. The last day to cancel a course (with 100% refund) is January 28, 2014. The last date to drop with a “W” is March 11, 2014. The last day to withdraw from the University is April 17, 2014. Under university policy the letter grade “I” is allowed only if a student has passed the first half of the course, and is precluded from completion of the second half of the course by a documented illness or family crisis.

ACADEMIC MISCONDUCT:
It is assumed that you have familiarized yourself with the portion of the student handbook and catalog pertaining to academic misconduct. Please be aware that such misconduct, including but not limited to plagiarism, is subject to disciplinary action. Students should note that both intentional and unintentional plagiarism is prohibited. Students may refer to the following websites for more information. The current University definition of plagiarism can be found at:
[http://www.nmsu.edu/%7Evpsa/SCOC/misconduct.html](http://www.nmsu.edu/%7Evpsa/SCOC/misconduct.html)

DISCRIMINATION:
NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.
Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. For more information on discrimination issues, Title IX or NMSU’s complaint process contact:
Gerard Nevarez, Executive Director or Agustin Diaz, Associate Director
Office of Institutional Equity (OIE)
O'Loughlin House
Phone: (575) 646-3635
E-mail:equity@nmsu.edu
Website: http://www.nmsu.edu/ eeo/

DISABILITIES:
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:
Trudy Luken, Director
Student Accessibility Services (SAS)
Corbett Center, Rm. 244
Phone: (575) 646-6840
E-mail:sas@nmsu.edu
Website: [http://www.nmsu.edu](http://www.nmsu.edu)