COURSE INFORMATION

Instructor: Dr. Louiza Fouli
Office: WH 214
Email: lfouli@nmsu.edu
Telephone: 575-646-2201
Website: http://www.math.nmsu.edu/~lfouli
Course Website: http://www.math.nmsu.edu/~lfouli/courses/fall10/index.html

Class Time:
Section 2: Tue-Thu 11:45-1:00pm SH 108
Section 3: Tue-Thu 1:10-2:25pm SH 108

Office Hours:
Tuesdays 2:30-3:30pm
Wednesdays 1:30-3pm
Or by appointment

COURSE OBJECTIVES:

Introduction to differential equations and dynamical systems with emphasis on modeling and applications. Basic analytic, qualitative and numerical methods. Equilibria and bifurcations. Linear systems with matrix methods, real and complex solutions.

PREREQUISITES:

Grade C or better in MATH 192G or Grade B or better in MATH 236. It will be assumed that you have mastered basic concepts and skills from algebra, trigonometry and calculus.

TEXTBOOK:


COURSE CONTENT

We will cover sections 1.1-1.9, 2.1-2.4, 3.1-3.7, 4.1-4.4, and as much as time permits from 5.1-5.3.

ASSIGNMENTS, QUIZZES, EXAMS AND GRADES:

HOMEWORK:

Homework will be assigned on a weekly basis. Assignments will typically be due on Thursdays at the beginning of class. The homework assignments will be announced in class and posted on the course website as well as on blackboard.: http://learn.nmsu.edu

Even though the homework assignments will be graded partially for correctness, it will also be graded for completion as well. The two lowest homework scores will be dropped.

BLACKBOARD:

ICT Customer Service Center is equipped to deal with all of your information technology (IT) and telecommunications needs at NMSU. The ICT Customer Service Center hours of operation are from 8:00 AM until 5:00 PM Monday through Friday. Please feel free to contact them at 646-1840 or via e-mail at helpdesk@nmsu.edu.
Quizzes:
Short quizzes will be given approximately every 2 weeks. They will be announced in advance in class, and posted on the course website as well as on blackboard. The lowest quiz score will be dropped.

Exams:
There will be two in-class midterm exams. The tentative dates for the exams are:

Exam 1: September 30th
Exam 2: November 2nd
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 Tuesday, December 7 2010. Section 2: 10:30am-12:30pm, Section 3: 1:00pm-3:00pm.

Grades:
I will use the following allocation for calculating your final grade:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>2 Exams</td>
<td>25% each</td>
</tr>
<tr>
<td>Cumulative Final Exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

Your final (letter) grade will be determined approximately by the usual 90-80-70-60 % cut-offs of a total numerical grade. 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 blackboard 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.

Class Communication:
Official communication to you will often come through your NMSU e-mail box. Please access it regularly, or forward it to your current use address. The best way to reach me is through e-mail at: lfouli@nmsu.edu

Late/Make-up Work:
Late homework will be accepted and make-up work will be granted only in the case of a documented excused absence. Excused absences include absences due to illness and travel on university or career-related business. (See also the section Attendance and Student Performance in the Undergraduate Catalog. No make-up work may be submitted after grades have been posted, unless you have been awarded an Incomplete grade.)
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 drop a course online (not recorded on academic record) is August 30, 2010. The last date to drop with a “W” is October 12, 2010. 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.

If you drop a class on-line or are told that someone else will drop you, you need to check and make sure that the class was properly dropped. The same applies to adding a class.

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/ vpsa/SCOC/misconduct.html

Discrimination:

Feel free to call Jerry Nevarez, Director of Institutional Equity, at 575-646-3635 with any questions you may have about NMSUs Non-Discrimination Policy and complaints of discrimination, including sexual harassment.

Disabilities:

Feel free to call Diana Quintana, Coordinator of Services for Students with Disabilities, at 575-646-6840 with any questions you may have on student issues related to the Americans with Disabilities Act (ADA) and/or Section 504 of the Rehabilitation Act of 1973. All medical information will be treated confidentially.