

# Math 420 - Differential Equations - 10956 - Summer 2009

## Course Information

Instructor: Kristin Lui  
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Website: <http://ic.losrios.edu/~luik/m420>

Location: ARC TEMPS 600  
Meet Times: MTWR, 4:00pm – 6:05pm  
Dates: June 15, 2009 – August 6, 2009

## Course Materials

- Required textbook: Zill – A First Course in Differential Equations (9<sup>th</sup> ed.). Brooks/Cole
- A graphing calculator is highly recommended such as a TI – 83 or above.

## Learning Outcomes

- Apply basic tools of mathematics to solve engineering application problems
- Analyze and apply different methods of solving differential equations
- Solve systems of linear differential equations
- Apply Laplace transforms to solve application problems

## Proof of Prerequisite

By June 17, 2008 (third class meeting), you must provide proof of prerequisite from the counseling office. If proof of prerequisite is not received, you will be dropped from the class. Students must have taken MATH 401 with a grade of “C” or better.

## Grades

Course grades will be determined by the following:

Homework	20%
In-class work	10%
Quizzes	10%
Exams	40%
Final Exam	20%

Letter grades will be assigned by the scale below:

A	90% or above
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	59% or below

## **Exams**

There will be four (4) chapter exams during the summer session. Exams must be taken in class. Calculators, books, and notes are not allowed during exams. You have the option of replacing your lowest exam score with your final score.

Makeup policy: Exam makeups are allowed only if you notify me **before** the exam that you will need to take a makeup. Proper notification includes in-person or an email up to 4:00pm the day of the exam (an email at 8pm the day of an exam does not count). Makeup exams are given the next class period only (due to time constraints of the summer session).

## **Homework**

Assignments must be turned in at the beginning of class. Homework cannot be made up. Late homework may be submitted the next class period after the due date for 50% credit. The two lowest homework scores will be dropped.

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**In-Class Work** At the end of some class periods, a worksheet will be given to complete before the end of class. No late work is accepted. In-class work cannot be made up. The lowest two scores will be dropped.

**Quizzes** Quizzes will be given during class meetings at the beginning, middle or end of class. There are no makeup quizzes. Two of the lowest quiz scores will be dropped.

**Final Exam** The final exam is cumulative and will cover chapters 1-8. The final will be given on the last day of class: **August 6, 2009**. No makeups!

## Important Dates

▪ Exam 1 (Chapters 1-2)	June 24	Last day to:	
▪ Exam 2 (Chapters 3-4)	July 9	▪ drop with refunds	June 19
▪ Exam 3 (Chapters 5-6)	July 21	▪ enroll	June 29
▪ Exam 4 (Chapters 7-8)	Aug. 4	▪ drop without a W	June 30
▪ Final Exam (Chapters 1-8)	Aug. 6	▪ drop with a W	July 24

## Attendance

Attendance is required. Excessive unexcused absences (3 or more) may result in the student being dropped from the course. Please notify me of any absences in advance either by email or in-person during class (email is best).

## Special Needs

If you require special needs (health or disability related issues), please contact me to discuss a plan for meeting those needs. If you are in DSP&S and wish to use their testing services, please provide me with the appropriate form.

## Ethical Conduct

Cheating will not be tolerated. Any student caught cheating on any exam or quiz will receive a 0 grade for that test and possibly a grade of F for the course.

## Disruptions

Please be courteous to your classmates and me by turning your cell phone to vibrate or silent. If your phone rings during class, I will answer the phone for you and you will have to bring baked goods for the class. You may eat food in the class but you must not leave a mess nor be a distraction to other students. If you are a distraction and/or messy, I will revoke your eating privileges and may eat your food or distribute it to the rest of the class.

## Disclaimer

The instructor reserves the right to alter this syllabus to conform to Los Rios Community College District Policies, state law, or to improve the quality of education offered by the class. Any changes will be announced in class.