Math 220 - DiffieQ - Spring 2013

SYLLABUS

Professor: Eric Lehtonen

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Office hours: MTWR12:00-13:00

Text: Differential Equations, Nagle, 9th edition.

Grading: There will be 4 exams. Please note the dates in the class schedule below. Homework: Homework will be assigned daily..

The grade will be computed as follows:

Tests: 60%, 600 Points

HW: 20%, 200 Points

Final Exam 20%, 200 Points

Attendance: Students not attending the first day of class will be automatically dropped. Students missing more than one week worth of classes, dating from when the student first enters the class will be dropped.

Any student with a documented disability who may need educational accommodation should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible.

Student Learning Outcomes:

By the end of this course the successful student should be able to:

1. Demonstrate the ability to solve a first order differential equation..
2. Demonstrate the ability to use a differential equation to model a real world phenomena.
3. Demonstrate the ability to find a series solution to a differential equation

Lecture And Test Schedule

Week 1
JAN 15 - Introduction 1.1
JAN 17 -   1.2

Week 2
JAN 22   1.3
JAN 24 - 2.1

Week 3
JAN 29   - 2.2
JAN 31   - 2.3,2.4

Week 4
FEB 5   - 2.5
FEB 7 - 3.1,3.2

Week 5
FEB 12 - **Test 2**
FEB 14 - 4.1

Week 6
FEB 19 -   4.2
FEB 21 -   4.3

Week 7
FEB 26 -   4.4,4.5
FEB 28 - 4.6,4.7

Week 8
MAR 5   4.8
MAR 7   4.9,4.10

Week 9
MAR 12 5.1
MAR 14 **Test 2**

Week 10
MAR 19 5.2,5.3
MAR 21 5.7-5.8

Week 11
MAR 26 6.1-6.2
MAR 28 6.3

Week 12
APR 2 **Spring Break**
APR 4

Week 13
APR 9 6.4
APR 11 7.1,7.2

Week 14
APR 16 **Test 3**
APR 18 7.3

Week 15
APR 23 7.4
APR 25 7.5

Week 16
APR 30 **Review**
MAY 4 **Test 4**

Week 17
MAY 9 **Review**
MAY 11 **Final Exam**