

MAT 414
Introduction to Ordinary Differential Equations
Summer Session 1, 2013

Instructor: Professor Uday Banerjee
Office: 206C Carnegie
Phone: 3-1460, email: Banerjee@syr.edu
Office hours: 4-5, MTWTH

Text: Elementary Differential Equations, by W. E. Boyce & R. C. DiPrima, 9th edition
The course will cover selected topics from Chapters 1, 2, 3, 6, and 7

Prerequisites: MAT 397. Credit will not be given for both MAT 414 and MAT 485

Quizzes and Exams: Four quizzes and two exams will be given.

Grading: The final grade will be based on the quizzes (5% each) and the exams (40% each)

Students with special needs: Students who may need academic accommodations due to a disability are encouraged to discuss their needs with the instructor at the beginning of the semester. In order to obtain authorized accommodations, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498 and have an updated accommodation letter for the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance." For more information about services and policy, see Office of Disability Services Syracuse, University Office of Disability Services, 804 University Avenue Room 309 Syracuse, New York 13244-2330 Phone: Voice: (315) 443-4498 TDD: (315) 443-1371 E-Mail: odssched@syr.edu

Important Dates:

May 23	Quiz 1
May 30	Quiz 2
June 10	Exam 1
June 13	Quiz 3
June 20	Quiz 4
June 27	Exam 2

Suggested Homework for MAT 414 (SS1, 2013): Text: Boyce & DiPrima

Sec. 1.2	1, 7, 15
Sec. 1.3	2, 6, 9, 11, 19
Sec. 2.1	13, 15, 16, 17, 20, 30
Sec. 2.2	9, 11, 13, 15, 17
Sec. 2.5	3, 9, 10, 11
Sec. 3.1	1, 3, 5, 9, 11, 15, 21
Sec. 3.2	3, 5, 9, 11, 13
Sec. 3.3	9, 11, 15, 17, 19, 21
Sec. 3.4	5, 11, 13, 23, 25
Sec. 3.5	1, 2, 6, 9, 13, 16, 17
Sec. 3.6	1, 3, 5, 7, 13
Sec. 3.7	1, 3, 5,
Sec. 6.1	1, 5, 9, 26
Sec. 6.2	1, 3, 7, 11, 13, 20
Sec. 6.3	7, 9, 11, 13, 15, 19, 21, 23
Sec. 6.4	1, 3, 7
Sec. 6.5	1, 3, 4, 7, 10
Sec. 7.1	1, 3, 5, 6, 8
Sec. 7.2	1, 2, 4, 10, 11, 22, 23
Sec. 7.3	15, 16, 17, 18, 19
Sec. 7.4	6
Sec. 7.5	1, 3, 5, 7
Sec. 7.6	1, 3, 5, 9, 10
Sec. 7.7	1, 3, 5, 11, 12