FALL 18 ELEMENTARY DIFFERENTIAL EQUATIONS: COURSE OUTLINE

1. Basic Course information

- <u>Course title</u>: Elementary differential equations
- <u>Course code</u>: 640:252
- <u>Course section</u>: 01/04
- <u>Course schedule</u>: Section 01: TTh6 (TIL-226) / Section 04: MW6 (Til 116)
- <u>Instructor</u>: John Ma (Hill 336, john.ma311@rutgers.edu)
- <u>Office hours</u>: Thursday, Friday 1500-1600 or by appointment
- <u>Textbook</u>: Blanchard, Differential Equations with DE Tools Printed Access Card, 4th edition, 2012 Cengage 978-1133109037.

<u>Content</u>: In this course, we introduce different techniques in solving first and second order differential equation, and system of first order linear differential equations. We will cover most of chapter 1-5 of the textbook. You can find more details, together with supplementary notes, in the common webpage: https://www.math.rutgers.edu/academics/under graduate/courses/950-01-640-252-elementary-differential-equations.

<u>Grading policies</u> Homework (20%), two midterms (20+20%) and one final exam (40%).

<u>Homework</u> will be given roughly once every two weeks. Homework should be handed in in class. Late homework will not be accepted. You are supposed to write up your own homework, but you are free to discuss the questions with your classmates or me.

<u>Midterms</u> will be held in class in the following dates:
   Section 01: Oct. 9th and Nov. 13rd
   Section 04: Oct 10th and Nov. 14rd

<u>Final exam</u> TBA.