



(Nostalgic? See the [2020g](#) and [2019g](#) and [2018t](#) and [2018g](#), [2017t](#) and [2015t](#), [2015g](#), [2014t](#) pages [18 exams], as well as the [2013t](#), [2004g](#), [2003g](#), [1994](#) page [18 exams].)



Our [Teaching Page](#) has useful information for students in all of my classes. It has **my schedule**, **LOR guidelines**, and [Usually Useful Pamphlets](#). One of them is the [Checklist](#) (pdf) which gives pointers on what I consider to be good mathematical writing. Further information is at our class-archive URL (I email this private URL directly to students).

Assignment for Add/Drop week

- In order to determine what you need to review over the weekend, please use 80 minutes do to as many problems as you can from this [self-test of prerequisite knowledge](#). Then use the internet and your calculus textbook to grade yourself. This will help you determine what you need to review.
- Can you solve all of these: A [more extensive self-test of prerequisite skills?](#)

Textbook: *Fundamentals of Differential Eqns with Boundary Value Problems*, (7th edition). **AUTHOR:** Nagle, Saff & Snider. [While that is the official textbook, you may use the 6th, 7th, 8th, or 9th editions.]

[We will also use Wikipedia and perhaps other online sources.]

Resources

- *Current assignment:* The [Math-Greek alphabet \(pdf\)](#).
- *Current assignment:* Learn the abbreviations on the first page of the below *DiffyNotes*.

- *Current assignment:* Peruse our [DiffyNotes \[of Prof.K\] \(pdf\)](#). UPDATED We'll use these for class lectures. Our textbook will be used for reading assignments and as a problem-reservoir.
- *Near future:* W: (skim) [ODE](#). W: (skim) [Linear DE](#). W: [SoV](#) W:(skim) [Differential Eqn](#).
- *Future:* Wikipedia: W:[Complex number](#) and W:[Exponential function](#).
- *Distant future:* W: [FTODE](#), [Picard-Lindelöf theorem](#).
- *Distant future:* The useful [Euler-Mascheroni constant and Gamma \(pdf\)](#). See also [W: Gamma fnc](#) and [Euler's constant](#). A place where the [Polor-coordinate Trick](#) is used, is the normalizing constant of the [Gaussian distribution](#). For the curious: The [Gamma fnc, and Volume of the n-ball \(pdf\)](#).
- *Distant future:* The [Laplace transform \(pdf\)](#) has an example, a simplification of tapping on a bell. Also available is a small [Table of Laplace transforms \(pdf\)](#).

DfyQ examish stuff

- *Important:* At home, please use 80 minutes take this [Sample exam of prerequisite knowledge \(pdf\)](#). Then use your Calculus text to grade yourself. This will help you know what you need to review.

[JK Home page](#)

