

TENTATIVE version:

Math 440/540 Applied Mathematics I Fall 2018

**Instructor: Alex Khapalov, Neill 307
335-31-72, khapala@math.wsu.edu**

Lectures: M-F 11:10 – 12:00, TODD 420

Office Hours: MF Neill 307, 15:10-16:00 or by appointment

TA: TBA

*Homework and other course information will be posted at:
<http://my.math.wsu.edu>*

Text: Erwin Kreyszig: *Advance Engineering mathematics, 10th edition, Chs. 5, 11, 12.*

Topics: Legendre polynomials, Bessel functions, Fourier Series and Transforms, Sturm-liouville Problems, Heat Equation, Laplace Equation, Wave Equation, Methods of Separation of Variables.

<u>Grading:</u>	Exams (2@100pts)	200pts
	Homework (13@15)	195pts
	Total	395 pts

Tests: 2 exams are planned on weeks 7 and 14. Each exam will have 4 problems similar to those *discussed in class and/or given as a homework.*

Homework will be collected weekly on Mondays (for the previous week). You can turn it in class or put it before 5pm into our TA's mailbox (Neill Hall, 1st floor).
HW grading: 2 problems out of 5pts each and 5pts for completeness.

Important rules:

*No late assignments will be accepted. However: you may request deadline extension, but you must do it ONLY prior to the date when the respective assignment is due.

*The course grade will be based on your actual total score. The guaranteed grid:
A+>=92>A>=90>B+>=86>=B>=82>B->=80>C+>=76>C>=72>C->=70>D+>=65>
D>=60>F

*The grades can be curved. The rounding will be worth of 0.5 (in favor of students).

*Incompletes may only be awarded if: "the student is unable to complete their work on time due to circumstances beyond their control".

*No make-up work will be offered.

For each hour of lecture equivalent, students should expect to have a minimum of two hours of work outside class."

Students with Disabilities: Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center or Disability Services. For more information contact a Disability Specialist on your home campus."