

AME 526 Engineering Mathematical Analysis II, Fall 2015

RTH109 (MW 5-6:20)

Instructor: Charles S. Campbell
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Direct all questions about the lecture to the Instructor
Direct all questions about homework to the TA

Text: Advanced Engineering Mathematics 7th edition by Peter V. O'Neil Thomson Engineering
ISBN-13: 978-1111427412

Ordinary Differential Equations (review)
Laplace Transforms (review)
Series Solutions
Fourier Series and transforms
Special Functions
Partial Differential Equations
 Separation of Variables
 Similarity Solutions
 Laplace Transform

Grading:

Midterm: 35%

Final Examination (2 hrs) 50%

Homework 15%

Remarks: Final Exam: Wed. December 9, 4:30-6:30pm.

All examinations will be open book (required text only), notes, homework and handouts. No other sources are allowed. No cellphones, computers, or anything with wireless or internet access may be used.

Some topics in class will be handled very differently from the book. You will be responsible for the way things are done in class. Class attendance is strongly encouraged.

Homework assignments will be posted on the class website by Thursday morning and are due the following Wednesday. On-campus students must turn in their homework in class at the beginning of Wednesday's class. No late work will be accepted.

For on campus students, cellphones, laptops, tablets and anything else electronic are to be turned off during class.

Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Statement on Academic Integrity

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. *Scampus*, the Student Guidebook, contains the Student Conduct Code in Section 11.00, while the recommended sanctions are located in Appendix A: <http://www.usc.edu/dept/publications/SCAMPUS/gov/>. Students will be referred to the Office of Student Judicial Affairs and Community Standards for further review, should there be any suspicion of academic dishonesty. The Review process can be found at: <http://www.usc.edu/student-affairs/SJACS/>.