

AME 526 Engineering Mathematical Analysis II, Summer 2015

OHE136 (TTh 1-4:10pm)

Instructor: Charles S. Campbell

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I will be available from 12-1pm on Tuesdays for questions.

I work from home a lot so the best way to reach me outside of those office hours is by email. I try to answer emails quickly. All emailed questions must be specific or I cannot answer them. If you have a homework question and access to a scanner, it would help to include a scan of your work. Alternately, you can take a picture with your phone and send it to me. Check that it is readable before you do so.

Text: Advanced Engineering Mathematics 7th edition by Peter V. O'Neil Thomson Engineering

Ordinary Differential Equations (review)

Laplace Transforms (review)

Series Solutions

Fourier Series and transforms

Special Functions

Partial Differential Equations

Separation of Variables

Similarity Solutions

Transform Methods

Grading:

Final Examination 75%

Homework 25%

There is no Midterm.

Remarks:

Final Exam is on the last scheduled day of class Tuesday, June 30th.

Homework assignments will be posted on the class website by Friday and are due the following Thursday. On-campus students must turn in their homework at the beginning of Thursday's class. The grader will come and collect the work and return graded papers. Anything turned in after the work has been collected will be considered late and no late work will be accepted.

All examinations will be open book (required text only), notes, homework and handouts. No other sources are allowed. No cellphones, computers, tablets, 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.

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/>.