

Physics 500A
Fall 2009

Instructor: Dr. Tom Masden
Office: Neckers 429
Office Hours: MWF at 9:00 to 9:50, 11:00 to 11:50
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Text: *Mathematical Methods for Physicists* by Arfken

Grading

Homework	20%
Exam I	25%
Exam II	25%
Final	30%

Tentative Schedule:

Week 1&2	Chapter 3	Determinants and Matrices
Week 3&4	Chapter 8	Differential Equations
Week 5-7	Chapter 9	Orthogonal Functions
Week 8	Chapter 10	Gamma Functions
Week 9	Chapter 11	Bessel Functions
Week 10	Chapter 12	Legendre Functions
Week 11	Chapter 13	Special Functions
Week 12&13	Chapter 5	Infinite Series
Week 14&15	Chapter 14	Fourier Series
Week 16	Final	Thurs., Dec. 17, 10:10 a.m.-12:10 p.m.

Emergency Procedures. Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT's website at www.bert.siu.edu, Department of Safety's website www.dps.siu.edu (disaster drop down) and in Emergency Response Guideline pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.