

MATHEMATICAL METHODS IN PHYSICS I

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Meetings: 10:00-11:15 Tuesday and Thursday
South Engineering, Room 212C

Text: K.F. Riley. M.P. Hobson and S.J. Bence,
Mathematical Methods for Physics and Engineering,
(Cambridge 1998)

Topics: Vector Calculus and Linear Algebra
Ordinary Differential Equations
Partial Differential Equations
Calculus of Variations
Integral Equations
Probability

Grading: Problem sets (1/3)
Project (1/3)
Final Exam (1/3)

Any students with disabilities who need accomodation in this course are encouraged to speak with the instructor as soon as possible to make appropriate arrangements.