Applied Mathematics 433   Mathematical Methods in Physics

(see Course Descriptions for the applicable academic year: http://www.ucalgary.ca/pubs/calendar/)

Syllabus

Topics	**Number of Hours**
Complex Analysis, Laurent Series, Residues, Cauchy theorem, Evaluation of real integrals by methods of complex analysis	12
Fourier Series and Fourier Integrals, boundary value problems for physical fields	7
Partial Differential Equations	11
Green's Functions	2
Laplace Transforms and applications	4
TOTAL HOURS	**36**

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