

Class Schedule - Fall 2009

Mathematics

522 *Lie Groups and Lie Algebras I* credit: 4 hours.

A general introduction to Lie groups and algebras and their representation theory. Theory of finite group representations, Lie groups as matrix groups, and as differentiable manifolds, Lie algebras as tangent spaces and as abstract objects, and their representations. Examples of the classical groups. May be repeated up to 8 hours.

Prerequisite: Undergraduate linear algebra, abstract algebra, point set topology, differentiation on manifolds.

CRN	Type	Section	Time	Days	Location	Instructor
39210	lecture-discussion	D1	11:00 AM - 11:50 AM	MWF	room 441 Altgeld Hall	Lerman, E
Restricted to Graduate - Urbana-Champaign.						