

Math 260R: Advanced linear algebra and the geometry of the classical groups

Spring 2011

Instructor: Jon McCammond

Office hours: MW 9-9:50, T 12-12:50 or by appointment in SH 6711

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Course Home Page:

<http://www.math.ucsb.edu/~jon.mccammond/courses/spring11/260R/>

Text: No required text, but two books are recommended: “Advanced linear algebra” by Roman and “Classical groups and geometric algebra” by Grove.

Course description: Math 260R is a topics course in algebra. The focus is on the interaction between projective geometry, linear algebra and the structure of the classical groups.

Grading: Your grade will primarily determined by attendance, participation, and the extent to which you complete the various short assignments given out during the course. As befits a third-year graduate course, the primary focus will be on the material itself rather than the grading.

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