

Topics in Algebraic Geometry: Flag Varieties, MTH G363
Fall 2006
Professor Venkatraman Lakshmibai

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Class meetings: Tuesday and Thursday, 7:30-9:00, 509 Lake Hall

Office hours: To be announced.

Course outline:

The central theme of the course is “Flag varieties” – their geometric and representation-theoretic aspects, Grassmannians and their Schubert varieties, some affine varieties related to Flag varieties – determinantal varieties, varieties of complexes, quiver varieties, singularities of Schubert and related varieties.