

# Algebraic Geometry 1

## Fall 2005

### Syllabus

Instructor: Venkatraman Lakshmibai, 517 LA, x 5637, lakshmibai at neu dot edu

Time and place: Tuesday and Thursday, 5:50 p.m., 544 Nightingale Hall

Office Hours: TBA

Text: TBA

**TOPICS TO BE COVERED** : Schemes - affine, projective and abstract, morphisms - affine, projective, flat, proper etc., cohomology theory of schemes, tangent space & singular locus, some classical varieties - Grassmannians & their Schubert varieties, determinantal varieties.