

## Syllabus EMAC 403 Spring 2008

Tuesday, Thursday 2.35pm-4.25pm, KHSmith 123

Instructors: Elena Dormidontova, John Blackwell

### Part 1:

1. Introduction. Chain statistics. Polymer chains with volume interactions.
2. Polymer viscoelasticity
3. Glassy amorphous state, Glass transition.
4. Liquid Crystalline Polymers
5. Crystallization kinetics
6. Polymer degradation

Test 1

### Part 2:

TBA

Test 2

Total grade: (grade for part 1+grade for part 2)/2

Grade for part 1: test 1 – 60%

Quizzes – 10%

Lab./project paper – 30%

Grade for part 2: TBA