课程代码（Coursenumber）  
Chemistry 6700 (670)  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
Professor Coates  
  
学期（Semester）  
Fall  
  
课程描述（Description））  
There will be a hands-on module on polymer characterization in conjunction with the Cornell Center for Materials Research Polymer Facility. The lectures and labs associated with this will be on Sept 8, 10, 15, 17 from 3-5pm, location TBD. These modules will take the place of a couple lectures later in the semester, where class will not be held (October 15, 22).  
  
课程提纲（Syllabus）  
1. Introduction to Polymers  
2. Major Methods of Polymer Synthesis  
3. Copolymerization  
4. Polymer Stereochemistry  
5. Solution Properties  
6. Solid-State Properties  
7. Major Modes of Characterization  
8. Structure-Property Relationships  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
Stevens Polymer Chemistry, 3rd Edition, 1999 (suggested)  
Odian Principles of Polymerization, 4th Edition, 2004  
Cowie Polymers: Chemistry and Physics of Modern Materials, 2008