课程代码（Coursenumber）  
CHM 539  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
  
学期（Semester）  
  
课程描述（Description））  
The operation and application of instrumentation used in modern chemical research is covered. Emphasis is on proton and carbon NMR. Pulsed-Fourier transform and 2D-NMR techniques are described. The course also has a laboratory section in which the students get hands-on exposure to FT-NMR and other spectrometers.  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Introduction to Chemical Process Instrumentation (Process Measurement and Control) by Iván Nagy (Hardcover - Apr. 1992)  
ISBN-13: 978-0444987129  
2 Introduction to Instrumental Analysis by Robert D. Braun (Hardcover - Jan. 1987)  
ISBN-13: 978-0070072916  
3 An Introduction to Rehabilitation Engineering (Series in Medical Physics and Biomedical Engineering) by Rory A Cooper, Hisaichi Ohnabe, and Douglas A. Hobson (Hardcover - Dec. 26, 2006)  
ISBN-13: 978-0849372223  
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