课程代码（Coursenumber）  
CHM 537  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
  
学期（Semester）  
  
课程描述（Description））  
An advanced course dealing with the applications of organo-transition metal reagents in organic synthesis. Emphasis is placed on systems already in use. Discussion of the scope and limitations of the methods in terms of mechanism is held. A prior course in organometallic chemistry (Chemistry 521) is recommended.  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Elements of Synthesis Planning by R. W. Hoffmann (Paperback - Jan. 22, 2009)  
ISBN-13: 978-3540792192  
世界各地拥有馆藏的图书馆（OCLC）:61  
2 Organometallic Reagents in Organic Synthesis (Smithkline Beecham Research Symposium) by M. B. Mitchell and John E.G. Bateson (Hardcover - Mar. 30, 1994)  
ISBN-13: 978-0124991507  
3 Transition Metal Reagents and Catalysts: Innovations in Organic Synthesis by Jiro Tsuji (Paperback - Sept. 9, 2002)  
ISBN-13: 978-0471560272  
世界各地拥有馆藏的图书馆（OCLC）:246  
4 Organic Reactions in Water: Principles, Strategies and Applications by U. Marcus Lindstrom (Hardcover - May 4, 2007)  
ISBN-13: 978-1405138901  
世界各地拥有馆藏的图书馆（OCLC）:187  
5 Organomagnesium Methods in Organic Chemistry (Best Synthetic Methods) by Basil J. Wakefield (Hardcover - Apr. 26, 1995)  
ISBN-13: 978-0127309453  
6 Advances in Organometallic Chemistry, Vol. 27 by Author Unknown (Hardcover - Jan. 11, 1988)  
ISBN-13: 978-0120311279  
7 Speciality Chemicals: Innovations in industrial synthesis and applications by B. Pearson (Hardcover - Dec. 31, 1991)  
ISBN-13: 978-1851666461  
8 Organic Chemistry: A Guided Inquiry by Andrei Straumanis (Paperback - July 2, 2008)  
ISBN-13: 978-0618974122  
世界各地拥有馆藏的图书馆（OCLC）:45  
9 The Chemistry of Organocopper Compounds (PATAI'S Chemistry of Functional Groups) by Zvi Rappoport and Ilan Marek (Hardcover - Jan. 7, 2010)  
ISBN-13: 978-0470772966  
世界各地拥有馆藏的图书馆（OCLC）:54  
10 Organic Chemistry by J.W., Ph.D. Suggs and J.W. Suggs (Paperback - Oct. 31, 2001)  
ISBN-13: 978-0764119255  
世界各地拥有馆藏的图书馆（OCLC）:127  
11 Advanced Organic Chemistry, Fourth Edition - Part B: Reaction and Synthesis (Advanced Organic Chemistry / Part B: Reactions and Synthesis) by Francis A. Carey and Richard J. Sundberg (Paperback - May 2001)  
ISBN-13: 978-0306462450  
世界各地拥有馆藏的图书馆（OCLC）:476  
12 Reagents, Auxiliaries, and Catalysts for C-C Bond Formation, Handbook of Reagents for Organic Synthesis by Robert M. Coates and Scott E. Denmark (Hardcover - June 22, 1999)  
ISBN-13: 978-0471979241