课程代码（Coursenumber）  
CHM 505  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
  
学期（Semester）  
  
课程描述（Description））  
An introductory survey course in chemical applications of group theory, including symmetry and permutation groups of rigid molecules, space groups, representations, and character tables and selected topics in spectroscopy and chemical reactions. Selection of applications is based on student interest.  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Group Theory and Chemistry by David M. Bishop (Paperback - Jan. 14, 1993)  
ISBN-13: 978-0486673554  
2 Group Theory and Quantum Mechanics by Michael Tinkham (Paperback - Dec. 17, 2003)  
ISBN-13: 978-0486432472  
世界各地拥有馆藏的图书馆（OCLC）:55  
3 Molecular Symmetry and Group Theory : A Programmed Introduction to Chemical Applications, 2nd Edition by Alan Vincent (Paperback - Jan. 31, 2001)  
ISBN-13: 978-0471489399  
世界各地拥有馆藏的图书馆（OCLC）:262  
4 Symmetry: An Introduction to Group Theory and Its Applications by R. McWeeny (Paperback - June 12, 2002)  
ISBN-13: 978-0486421827  
世界各地拥有馆藏的图书馆（OCLC）:75  
5 Group Theory in Chemistry and Spectroscopy: A Simple Guide to Advanced Usage by B. S. TSukerblat (Paperback - Aug. 18, 2006)  
ISBN-13: 978-0486450353  
世界各地拥有馆藏的图书馆（OCLC）:44  
6 Beginning Group Theory for Chemistry by Dr. Paul H. Walton (Paperback - Dec. 15, 1998) - Student Edition  
ISBN-13: 978-0198559641  
7 Group Theory and Quantum Mechanics by Michael Tinkham (Paperback - Dec. 17, 2003)  
ISBN-13: 978-0486432472  
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8 Symmetry: An Introduction to Group Theory and Its Applications by R. McWeeny (Paperback - June 12, 2002)  
ISBN-13: 978-0486421827  
世界各地拥有馆藏的图书馆（OCLC）:75  
9 Group Theory in Chemistry and Physics by M.G. Arora (Paperback - Oct. 1, 2002)  
ISBN-13: 978-8170418856  
10 Molecular Symmetry and Group Theory by Robert L. Carter (Paperback - Dec. 3, 1997) - Student Edition  
ISBN-13: 978-0471149552  
11 Molecular Symmetry and Group Theory : A Programmed Introduction to Chemical Applications, 2nd Edition by Alan Vincent (Paperback - Jan. 31, 2001)  
ISBN-13: 978-0471489399  
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