课程名（Coursename）

Chemistry 254. Advanced Inorganic Chemistry - (New Course)

课程代码（Coursenumber）

32665

课程对象（Audience）

Primarily for Graduates

开课教师（Teacher）

Theodore A. Betley

学期（Semester）

Spring term

课程描述（Description））

Application of group theory towards understanding reactivity patterns in transition element chemistry with an emphasis on synthesis, structure, bonding, and reaction mechanisms. Advanced problems of interest to inorganic chemistry will be discussed in the context of catalysis, organometallics, and bioinorganic processes.

课时信息（Totalhours）

M., W., F., at 10. EXAM GROUP: 3

教参信息（Textbookinfo）

1 Advanced Inorganic Chemistry, 6th Edition by F. Albert Cotton, Carlos A. Murillo, and Manfred Bochmann (Hardcover - Mar. 30, 1999)

ISBN-13: 978-0471199571

2 Inorganic Chemistry (3rd Edition) by Catherine Housecroft and Alan G. Sharpe (Paperback - Dec. 9, 2007)

ISBN-13: 978-0131755536

世界各地拥有馆藏的图书馆（OCLC）:68

3 Understanding Advanced Physical Inorganic Chemistry: The Learner's Approach by Jeanne Tan and Kim Seng Chan (Hardcover - Oct. 11, 2010)

ISBN-13: 978-9814317269

世界各地拥有馆藏的图书馆（OCLC）:1

4 advanced practical inorganic and metalorganic chemistry by R. John Errington (Paperback - July 3, 1997)

ISBN-13: 978-0751402254

5 Quimica inorganica avanzada/ Advanced Inorganic Chemistry (Spanish Edition) by F. Albert Cotton and Geoffrey Wilkinson (Paperback - June 30, 2006)

ISBN-13: 978-9681817954

世界各地拥有馆藏的图书馆（OCLC）:6

6 Chemistry of the Elements, Second Edition by A. Earnshaw and Norman Greenwood (Paperback - Dec. 9, 1997)

7 Inorganic Experiments by J. Derek Woollins (Hardcover - Feb. 22, 2010)

ISBN-13: 978-3527324729

世界各地拥有馆藏的图书馆（OCLC）:48

8 Advanced Inorganic Fluorides: Synthesis, Characterization and Applications by T. Nakajima, B. Zemva, and A. Tressaud (Hardcover - May 26, 2000)

ISBN-13: 978-0444720023

9 Advanced Structural Inorganic Composites: Proceedings of the Satellite Symposium 2 on Advanced Structural Inorganic Composites of the 7th Internatio (Materials Science Monographs, 68) by Satellite Symposium 2 on Advanced Structural Inorganic Composites, P. Vincenzini, and International Meeting on Modern Ceramics Technologies 1990 montecatin (Hardcover - May 1991)

ISBN-13: 978-0444890597

10 Advanced Inorganic Fibers: Processes - Structures - Properties - Applications (Materials Technology Series) by Frederick T. Wallenberger, John B. MacChesney, Roger Naslain, and Harold D. Ackler (Hardcover - Dec. 31, 1999)

ISBN-13: 978-0412607905

11 Introduction to Materials Chemistry by H. R. Allcock (Hardcover - Sept. 9, 2008)

ISBN-13: 978-0470293331

世界各地拥有馆藏的图书馆（OCLC）:250

12 Basic Inorganic Chemistry, 3rd Edition by F. Albert Cotton, Geoffrey Wilkinson, and Paul L. Gaus (Hardcover - Dec. 29, 1994)

ISBN-13: 978-0471505327