课程名（Coursename）

CHM 207 Advanced General Chemistry: Materials Chemistry

课程代码（Coursenumber）

CHM 207

课程对象（Audience）

Primarily for Undergraduates

开课教师（Teacher）

R. L’Esperance, S. Bernasek

学期（Semester）

Fall ST

课程描述（Description））

Introduction to the basic concepts of chemistry: stoichiometry, types of reactions, thermodynamics, quantum mechanics, and chemical bonding. Introduction to the structure, chemistry, and properties of technologically important materials: metals, semiconductors, ceramics, and polymers. Fulfills medical school requirements in general chemistry and qualitative analysis. Three lecture hours, one class, one three-hour laboratory

课时信息（Totalhours）

教参信息（Textbookinfo）

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

ISBN-13: 978-0849398131

世界各地拥有馆藏的图书馆（OCLC）:335

2 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）:251

3 Kinetics of Materials by Robert W. Balluffi, Samuel M. Allen, and W. Craig Carter (Hardcover - Sept. 23, 2005)

ISBN-13: 978-0471246893

世界各地拥有馆藏的图书馆（OCLC）:178

4 Materials Chemistry by Bradley D. Fahlman (Paperback - Dec. 28, 2009)

ISBN-13: 978-9048175413

世界各地拥有馆藏的图书馆（OCLC）:1

5 The Physics and Chemistry of Materials by Joel I. Gersten and Frederick W. Smith (Hardcover - June 25, 2001)

ISBN-13: 978-0471057949

世界各地拥有馆藏的图书馆（OCLC）:483

6 Chemistry of Hazardous Materials with MyFireKit (5th Edition) by Eugene Meyer (Hardcover - Aug. 14, 2009)

ISBN-13: 978-0135041598

世界各地拥有馆藏的图书馆（OCLC）:42

7 Sol-Gel Materials: Chemistry and Applications (Advanced Chemistry Texts) by John D. Wright and Nico A.J.M. Sommerdijk (Hardcover - Dec. 21, 2000)

ISBN-13: 978-9056993269

8 Introduction to the Physics and Chemistry of Materials by Robert J. Naumann (Hardcover - Dec. 22, 2008)

ISBN-13: 978-1420061338

世界各地拥有馆藏的图书馆（OCLC）:182

9 Hazardous Materials Chemistry by Armando S. Bevelacqua (Paperback - Aug. 2, 2005)

ISBN-13: 978-1401880897

世界各地拥有馆藏的图书馆（OCLC）:519

10 Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks (Topics in Applied Chemistry) by Jan W. Gooch (Hardcover - May 31, 1997)

ISBN-13: 978-0306455414