课程代码（Coursenumber）：

C150.

课程名（Coursename）：

Introduction to Materials Chemistry.

学分（credit) ：(3)

课程设置（course setting）：Three hours of lecture per week.

选课要求（prerequisite）：104B is recommended.

课程描述（Description）：The application of basic chemical principles to problems in materials discovery, design, and characterization will be discussed. Topics covered will include inorganic solids, nanoscale materials, polymers, and biological materials, with specific focus on the ways in which atomic-level interactions dictate the bulk properties of matter. Also listed as Materials Science and Engineering C150. (S)

教参信息（Textbookinfo）:

1 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）:245

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

ISBN-13: 978-0132337618

世界各地拥有馆藏的图书馆（OCLC）:38

3 Introduction to Materials Management (6th Edition) by J. R. Tony Arnold, Stephen N. Chapman, and Lloyd M. Clive (Hardcover - June 25, 2007)

ISBN-13: 978-0132337618

世界各地拥有馆藏的图书馆（OCLC）:38

4 Introduction to Quantum Mechanics: in Chemistry, Materials Science, and Biology (Complementary Science) by S. M. Blinder (Paperback - June 21, 2004)

ISBN-13: 978-0121060510

世界各地拥有馆藏的图书馆（OCLC）:248

5 Glassy Materials and Disordered Solids: An Introduction to Their Statistical Mechanics, (Revised Edition) by Kurt Binder and Walter Kob (Paperback - Apr. 30, 2010)

ISBN-13: 978-9814273442

世界各地拥有馆藏的图书馆（OCLC）:2

6 Porous Materials: Introduction to Materials Chemistry, Properties, and Applications by Stefan Kaskel (Paperback - June 22, 2009)

ISBN-13: 978-3527320356

世界各地拥有馆藏的图书馆（OCLC）:6

7 Introduction to the Thermodynamics of Materials by David R. Gaskell (Hardcover - Mar. 13, 2008)

ISBN-13: 978-1591690436

世界各地拥有馆藏的图书馆（OCLC）:108

8 Introduction to Material and Energy Balances by G. V. Reklaitis (Paperback - Aug. 30, 1983)

ISBN-13: 978-0471041313

9 Structure of Materials: An Introduction to Crystallography, Diffraction and Symmetry by Marc De Graef and Michael E. McHenry (Hardcover - Sept. 3, 2007)

ISBN-13: 978-0521651516

世界各地拥有馆藏的图书馆（OCLC）:198

10 The Science For Conservators Series: Volume 1: An Introduction to Materials (Heritage: Care-Preservation-Ma... by The Conservation Unit Museums and Galleries Commission (Paperback - June 19, 1992)

ISBN-13: 978-0415071673