课程代码（Coursenumber）：

265.

课程名（Coursename）：

Nuclear Magnetic Resonance Theory

and Application.

学分（credit)：(1)

课程设置（course setting）： Three hours of lecture per week for five weeks. 选课要求（prerequisite）：200 or 201 or consent of instructor.

课程描述（Description）： The theory behind practical nuclear magnetic resonance spectroscopy and a survey of its applications to chemical research. (S)

教参信息（Textbookinfo）:

1 Explosives Detection using Magnetic and Nuclear Resonance Techniques (NATO Science for Peace and Security Series B: Physics and Biophysics) by Jacques Fraissard and Olga Lapina (Paperback - Apr. 27, 2010)

ISBN-13: 978-9048130610

世界各地拥有馆藏的图书馆（OCLC）:14

2 Nuclear Magnetic Resonance Principles and Theory (Studies in Physical and Theoretical Chemistry) by Ry z Kitamaru (Hardcover - May 23, 1990)

ISBN-13: 978-0444881854

3Calculation of NMR and EPR Parameters: Theory and Applications by Martin Kaupp, Michael Bühl, and Vladimir G. Malkin (Hardcover - Aug. 20, 2004)

ISBN-13: 978-3527307791

世界各地拥有馆藏的图书馆（OCLC）:190

4 NMR Spectroscopy Explained: Simplified Theory, Applications and Examples for Organic Chemistry and Structural Biology by Neil E. Jacobsen (Hardcover - Aug. 24, 2007)

ISBN-13: 978-0471730965

世界各地拥有馆藏的图书馆（OCLC）:407

5 High Resolution NMR, Third Edition: Theory and Chemical Applications by Edwin D. Becker (Hardcover - Oct. 18, 1999)

ISBN-13: 978-0120846627

6 Nonlinear Phenomena and Chaos in Magnetic Materials by Philip E. Wigen (Hardcover - Nov. 1994)

ISBN-13: 978-9810210052

7 Protein NMR for the Millennium (Biological Magnetic Resonance) by N. Rama Krishna and Lawrence J. Berliner (Hardcover - Jan. 31, 2003)

ISBN-13: 978-0306474484

世界各地拥有馆藏的图书馆（OCLC）:125

8 NMR of Proteins (Topics on Molecular and Structural Biology) by Clore (Hardcover - Nov. 18, 1993)

ISBN-13: 978-0849377716

9 Point Defects in Semiconductors and Insulators by Johann-Martin Spaeth, Harald Overhof, and Hans-Joachim Queisser (Hardcover - Apr. 10, 2003)

ISBN-13: 978-3540426950

世界各地拥有馆藏的图书馆（OCLC）:115

10 Spin Dynamics: Basics of Nuclear Magnetic Resonance by Malcolm H. Levitt (Paperback - Aug. 15, 2001)

ISBN-13: 978-0471489221

世界各地拥有馆藏的图书馆（OCLC）:298