课程代码（Coursenumber）：
3B.

课程名（Coursename） ：
Chemical Structure and Reactivity.

学分（credit) ： (3) Students will receive no credit for 3B after taking 112B.

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

选课要求（prerequisite）:3A with a grade of C- or better.

课程描述（Description）：Conjugation, aromatic chemistry, carbonyl compounds, carbohydrates, amines, carboxylic acids, amino acids, peptides, proteins, and nucleic acid chemistry. Ultraviolet spectroscopy and mass spectrometry will be introduced. (F, S)

教参信息（Textbookinfo）:
1 Chemical Structure and Reactivity: An Integrated Approach by James Keeler and Peter Wothers (Paperback - July 15, 2008)
ISBN-13: 978-0199289301
世界各地拥有馆藏的图书馆（OCLC）:152
2 Chemical Kinetics: From Molecular Structure to Chemical Reactivity by Luis G Arnaut, Sebastiao Jose Formosinho, and Hugh Burrows (Hardcover - Jan. 4, 2007)
ISBN-13: 978-0444521866
世界各地拥有馆藏的图书馆（OCLC）:169
3 An Ordering Concept on the Basis of Alternative Principles in Chemistry: Design of Chemicals and Chemical Reactions by Differentiation and Compensati (Reactivity and Structure) by P. Heimbach and T. Bartik (Hardcover - Jan. 1990)
ISBN-13: 978-0387511986
4 Metal Dihydrogen and -Bond Complexes - Structure, Theory, and Reactivity (Modern Inorganic Chemistry) by Gregory J. Kubas (Hardcover - Aug. 31, 2001)
ISBN-13: 978-0306464652
世界各地拥有馆藏的图书馆（OCLC）:179
5 Modelling of Structure and Reactivity in Zeolites by C. R. A. Catlow (Hardcover - Nov. 1992)
ISBN-13: 978-0121641405
6 Molecular Structure and Energetics, Structure and Reactivity (Molecular Structure and Energetics, Vol 7) (Volume 7) by Joel F. Liebman and Arthur Greenberg (Hardcover - Jan. 10, 1989)
ISBN-13: 978-0471187233
7 Zeolite Microporous Solids: Synthesis, Structure, and Reactivity (NATO Science Series C: (closed)) by E.G. Derouane, Francisco Lemos, Claude Naccache, and Fernando Ramôa Ribeiro (Hardcover - Nov. 30, 1991)
ISBN-13: 978-0792315339
8 Modeling Structural Effects on Reactivities, Properties and Bioactivities by Statistical Methods (Wiley Series in Chemical, Computational, and Systems Biology) by Marvin Charton (Hardcover - July 6, 2010)
ISBN-13: 978-0470487495
世界各地拥有馆藏的图书馆（OCLC）:1
9 Quantum Mechanical Electronic Structure Calculations with Chemical Accuracy (Understanding Chemical Reactivity) by S. Langhoff (Hardcover - Feb. 28, 1995)
ISBN-13: 978-0792332640
10 Density Functional Theory of Molecules, Clusters, and Solids (Understanding Chemical Reactivity) by D.E. Ellis (Hardcover - Nov. 30, 1994)
ISBN-13: 978-0792330837