课程代码（Coursenumber）
CHM 543

课程对象（Audience）
Primarily for Graduates

开课教师（Teacher）

学期（Semester）

课程描述（Description））
Structural biology of human diseases. A critical discussion of protein structures of medical interest such as antibodies, histocompatibility complexes, growth factors, receptors, T-cell activation, G-coupled receptors, viruses, and bacterial toxins. The structural basis of signal transduction is treated in terms of high-resolution crystal structures of kinases and phosphatases. Special emphasis is placed on methods used to obtain and interpret results by X-ray crystallography

课时信息（Totalhours）

教参信息（Textbookinfo）
1 Molecular Dynamics: An Overview of Applications in Molecular Biology (From the Series Topics in Molecular and Structural Biology) - Hardcover (Jan. 4, 1991) by Goodfellow
ISBN-13: 978-0849371196
2 Geomechanics of Failures. Advanced Topics - Hardcover (May 31, 2010) by Eduardo E. Alonso, Núria Pinyol, and Alexander M. Puzrin
ISBN-13: 978-9048135370
世界各地拥有馆藏的图书馆（OCLC）:4
3 Advanced Topics in Finite Element Analysis of Structures: With Mathematica and MATLAB Computations - Hardcover (Jan. 3, 2006) by M. Asghar Bhatti
ISBN-13: 978-0471648079
世界各地拥有馆藏的图书馆（OCLC）:122
4 Structural Plasticity: Limit, Shakedown and Dynamic Plastic Analyses of Structures (Advanced Topics in Science and Technology in China) - Hardcover (Aug. 27, 2009) by Mao-Hong Yu, Guo-Wei Ma, and Jian-Chun Li
ISBN-13: 978-3540881513
世界各地拥有馆藏的图书馆（OCLC）:133
5 Advanced Topics in Biotechnology and Plant Biology - Hardcover (Dec. 31, 2008) by C.P. Malik, Bhavneet Kaur, and Chitra Wadhwani
ISBN-13: 978-8175331440
世界各地拥有馆藏的图书馆（OCLC）:3
6 New Techniques of Optical Microscopy and Microspectroscopy (Topics in Molecular and Structural Biology) - Hardcover (Jan. 18, 1991) by Cherry
ISBN-13: 978-0849371172
7 Water and Biological Macromolecules (Topics on Molecular and Structural Biology) - Hardcover (Aug. 16, 1993) by Westhof
ISBN-13: 978-0849375705
8 Grammars and Automata for String Processing: From Mathematics and Computer Science to Biology, and Back (Topics in Computer Mathematics) - Hardcover (Jan. 16, 2003) by Carlos Martin-Vide and Victor Mitrana
ISBN-13: 978-0415298858
世界各地拥有馆藏的图书馆（OCLC）:108
9 Advanced Topics in Biomathematics: Proceedings of the International Conference on Mathematical Biology - Hardcover (Sept. 1998) by Lansun Chen, Shigui Ruan, and Jun Zhu
ISBN-13: 978-9810235185
10 Advanced Structural Inorganic Chemistry (International Union of Crystallography Texts on Crystallography) - Paperback (June 2, 2008) by Wai-Kee Li, Gong-Du Zhou, and Thomas Mak
ISBN-13: 978-0199216956
世界各地拥有馆藏的图书馆（OCLC）:240
11 The Mechanics of Scour in the Marine Environment - Hardcover (June 15, 2002) by B. Mutlu Sumer and Jorgen Fredsoe
ISBN-13: 978-9810249304
世界各地拥有馆藏的图书馆（OCLC）:88