课程代码（Coursenumber）：

15.

课程名（Coursename） ：

Analytical and Bioanalytical Chemistry.

学分（credit) ：(3) Students will receive two units of credit for 15 after taking 4B.

课程设置（course setting）： Two hours of lecture and four hours of laboratory per week.

选课要求（prerequisite）:1A or equivalent.

课程描述（Description）：An introduction to analytical and bioanalytical chemistry including background in statistical analysis of data, acid-base

equilibria, electroanalytical potentiometry, spectrometric and chromatographic methods of analysis and some advanced topics in bioanalytical chemistry such as micro-fluidics, bioassay techniques, and enzymatic biosensors. (F)

教参信息（Textbookinfo）:

1 Bioanalytical Chemistry by Susan R. Mikkelsen and Eduardo Cortón (Hardcover - Mar. 2, 2004)

ISBN-13: 978-0471544470

世界各地拥有馆藏的图书馆（OCLC）:395

2 Bioanalytical Chemistry by Andreas Manz, Nicole Pamme, and Dimitri Iossifidis (Paperback - Nov. 2004)

ISBN-13: 978-1860943713

世界各地拥有馆藏的图书馆（OCLC）:325

3 Introduction to Bioanalytical Sensors (Techniques in Analytical Chemistry) by Alice J. Cunningham (Hardcover - Apr. 28, 1998)

ISBN-13: 978-0471118619

4 Bioanalytical Separations, Volume 4 (Handbook of Analytical Separations) by Ian D. Wilson (Hardcover - Sept. 17, 2003)

ISBN-13: 978-0444506580

世界各地拥有馆藏的图书馆（OCLC）:77

5 Ultrasound in Chemistry: Analytical Applications by Jos&#233;-Luis Capelo-Mart&#237;nez (Hardcover - Feb. 3, 2009)

ISBN-13: 978-3527319343

世界各地拥有馆藏的图书馆（OCLC）:93

6 Standardization and Quality Assurance in Fluorescence Measurements II: Bioanalytical and Biomedical Applications (Springer Series on Fluorescence) (v. 2) by Ute Resch-Genger (Hardcover - Oct. 24, 2008)

ISBN-13: 978-3540705703

世界各地拥有馆藏的图书馆（OCLC）:23

7 Bioanalytical Techniques by Manish Srivastava (Hardcover - Oct. 30, 2007)

ISBN-13: 978-1842654255

世界各地拥有馆藏的图书馆（OCLC）:76

8 High Throughput Bioanalytical Sample Preparation: Methods and Automation Strategies (Progress in Pharmaceutical and Biomedical Analysis) by David A. Wells (Hardcover - Feb. 11, 2003)

ISBN-13: 978-0444510297

世界各地拥有馆藏的图书馆（OCLC）: 56

9 Plasma Source Mass Spectrometry : Current Trends and Future Developments (Special Publications) by J G Holland D R Bandura (Hardcover - Apr. 1, 2006)

ISBN-13: 978-0854046638

世界各地拥有馆藏的图书馆（OCLC）:109

10 Understanding Bioanalytical Chemistry: Principles and Applications by Victor Gault and Neville McClenaghan (Hardcover - Mar. 11, 2009)

ISBN-13: 978-0470029060

世界各地拥有馆藏的图书馆（OCLC）:16