课程代码（Coursenumber）：

C170L.

课程名（Coursename）：

Biochemical Engineering Laboratory.

学分（credit) ：(3)

课程设置（course setting）：One hour of lecture and six hours of laboratory per week.

选课要求（prerequisite）：Chemical Engineering 170A (may be taken concurrently)or consent of instructor.

课程描述（Description）：Laboratory techniques for the cultivation of microorganisms in batch and continuous reactions. Enzymatic conversion

processes. Recovery of biological products. Also listed as Chemical Engineering C170L. (S)

教参信息（Textbookinfo）:

1 Automating Science and Engineering Laboratories with Visual Basic by Mark F. Russo and Martin M. Echols (Paperback - Mar. 31, 1999)

ISBN-13: 978-0471254935

2 Chemometrics: Data Analysis for the Laboratory and Chemical Plant by Richard G. Brereton (Paperback - Apr. 18, 2003)

ISBN-13: 978-0471489788

世界各地拥有馆藏的图书馆（OCLC）:229

3 Purification of Laboratory Chemicals, Sixth Edition by W.L.F. Armarego and Christina Chai (Paperback - May 25, 2009)

ISBN-13: 978-1856175678

世界各地拥有馆藏的图书馆（OCLC）:60

4 Safety Sense: A Laboratory Guide, Second Edition by Cold Spring Harbor Lab (Paperback - Apr. 1, 2007)

ISBN-13: 978-0879697839

世界各地拥有馆藏的图书馆（OCLC）:105

5 Laboratory Automation in the Chemical Industries by David G. Cork and Tohru Sugawara (Hardcover - Apr. 15, 2002)

ISBN-13: 978-0824707385

世界各地拥有馆藏的图书馆（OCLC）:71

6 Scaleup of Chemical Processes: Conversion from Laboratory Scale Tests to Successful Commercial Size Design by Attilio Bisio and Robert L. Kabel (Hardcover - July 1985)

ISBN-13: 978-0471057475

7 Safety in Chemical Engineering Research and Development: A Guide to Safe Practices in Laboratories and Pilot Plants - IChemE by Institution of Chemical Engineers (Paperback - June 1, 1991)

ISBN-13: 978-0852952375

8 The Chemical Laboratory: It's Design and Operation by Sigurd J. Rosenlund (Hardcover - Jan. 14, 1988)

ISBN-13: 978-0815511106

9 Laboratory Manual/Human Nutr 2 by Theodore Dashman (Paperback - Apr. 1, 1996)

ISBN-13: 978-3718606085

10 Chemistry for Environmental Engineering and Science by Clair Sawyer, Perry McCarty, and Gene Parkin (Hardcover - Aug. 27, 2002)

ISBN-13: 978-0072480665

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