

**NANYANG TECHNOLOGICAL UNIVERSITY
SCHOOL OF PHYSICAL & MATHEMATICAL SCIENCES**

CBC111 PRINCIPLES OF MODERN CHEMISTRY WITH LABORATORY 1

Prescribed Text

J. Keeler and P. Wothers, *Chemical Structure and Reactivity: An Integrated Approach*, Oxford University Press, 2008 (Call no: QD453.3.K26)

J. C. Kotz, P. M. Treichel and G. C. Weaver, *Chemistry & Chemical Reactivity*, 7th Edition, Thomas Brooks/Cole, Belmont.(QD312.K87 2009)

J. E. McMurry and R. C. Fay, *General Chemistry: Atoms First*, Pearson Publishing

Other References

M. S. Silberberg, *Chemistry: The Molecular Nature of Matter and Change*, 5th Edition, McGraw Hill, New York 2009.(QD33.2.S582 2009)

R. Chang, *Chemistry*, 10th Edition, McGraw Hill, New York 2010 (QD31.2.C456 2010)

Petrucci, Harwood, Herring and Madura, *General Chemistry: Principles and Modern Applications*, 9th Edition (QD31.2.P498 2007)

CBC 113 BASIC ORGANIC CHEMISTRY WITH LABORATORY

Prescribed Text

John McMurry, *Organic Chemistry*, 7th Edition 2008, International Student Edition.
(Call no: QD251.2.M168 2008)

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John McMurry, *Organic Chemistry*, 7th Edition 2008, International Student Edition.(QD251.2.M168 2008)

CBC 213 ORGANIC AND BIOORGANIC CHEMISTRY

Other References

March and Smith, *Advanced Organic Chemistry*, McMurry (Call no: QD251.2.S655 2007)

CBC121 BIOLOGICAL CHEMISTRY 1

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Trudy Mckee & James R. McKee, *Biochemistry: The Molecular Basis of Life*, 4th Edition 2009, McGraw Hill
(Call no: QD415.M154 2009)

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Horton, Moran, Scrimgeour, Perry and Rawn, *Principles of Biochemistry*, 4th Edition 2006, Pearson International Edition (QP514.2.P957 2006)

Matthews, Van Holde, Ahern, *Biochemistry*, 3rd Edition 2000, Addison Wesley, Longman (QD415.M429)

John McMurry, *Organic Chemistry*, 7th Edition 2008, International Student Edition. (QD251.2.M168 2008)

CBC 311 CHEMISTRY SPECTROSCOPY AND APPLICATIONS

Prescribed Text

Donald L. Pavia, Gary M. Lampman, and George S. Kriz, *Introduction to Spectroscopy*, 4th Edition, Brooks/Cole, Thomson Learning. (Call no: QD272.S6P338N)

CBC314 PHYSICAL AND BIOPHYSICAL CHEMISTRY 2

Prescribed Text

Peter Atkins and Julio de Paula, *Atkins' Physical Chemistry*, 8th Edition, Oxford University Press, 2006 (Call no: QD453.3.A874 2006)

Student's Solution Manual to accompany Atkins' Physical Chemistry, 8th Edition, Oxford University Press (QD453.3.A874 2006 SOLUTIONS MANUAL)

CBC421 ADVANCED ANALYTICAL AND BIOANALYTICAL TECHNIQUES

Prescribed Text

D. A. Skoog, D. M. West, F. J. Holler and S. R. Crouch, *Fundamentals of Analytical Chemistry*, 8th Edition 2004, Thomson. (Call no: QD75.22.F981)

CBC811 FORENSIC SCIENCE

Prescribed Text

Safersein, *Criminalistics*, Pearson (Call no: HV8073.S128 2007)

CBC922 MEDICINAL CHEMISTRY

Prescribed Text

G. L Patrick, *An Introduction to Medicinal Chemistry*, 4th Edition, Oxford University Press, 2009. (Call no: RS403.P314 2009)

CBC932 POLYMER CHEMISTRY

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Other References

J. M. G. Cowie and Valeria Arrighi, *Polymers: Chemistry and Physics of Modern Materials*, 3rd Edition, CRC Press, Taylor and Francis Group (Call no: QD381.C874 2008)

Malcom P. Stevens, *Polymer Chemistry: An Introduction*, 3rd Edition, Oxford University Press (QD381.S845)

Joel R. Fried, *Polymer Science & Technology*, 2nd Edition, Pearson Education, Inc.(QD381.F899 2003)

L. H. Sperling, *Introduction to Physical Polymer Science*, 4th Edition, John Wiley & Sons.(QD381.S749 2006)

Harry R. Allcock, Frederick W. Lampe and James E. Mark, *Contemporary Polymer Chemistry*, 3rd Edition, Pearson Education, Inc. (QD381.A421 2003)

CBC961 FOOD CHEMISTRY AND ANALYSIS

Prescribed Text

Zdzislaw E. Sikorski, *Chemical and Functional Properties of Food Components*, CRC Press 2006 (E-Book)

Julian E. Spallholz, Lee Mallory Boylan, Judy Anne Driskell, *Nutrition: Chemistry and Biology*, Edition 1999, CRC Press (QP141.S734)

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