

04-BS-1 - Mathematics

Erwin Kreyszig, Kreyszig: Advanced Engineering Mathematics, eighth edition. John Wiley, 1999. ISBN 0-471-15496-2.

04-BS-2 – Probability and Statistics

R.E. Walpole, R.H. Myers and S.L. Meyers, Probability and Statistics for Engineers and Scientists, sixth edition. Prentice-Hall 1998.

04-BS-3 – Statics and Dynamics

R.C. Hibbeler, Engineering Mechanics: Statics and Dynamics, tenth edition. Prentice-Hall, 2004.

Sheppard, Sheri D. and Benson H. Tongue, Statics: Analysis and Design of Systems in Equilibrium. Wiley, 2005.

Sheppard, Sheri D. and Benson H. Tongue, Dynamics: Analysis and Design of Systems in Motion. Wiley, 2005.

04-BS-4 – Electric Circuits and Power

J.W. Nilsson and S.A. Riedel, Electric Circuits, fifth edition. Addison-Wesley, 1996.

04-BS-5 – Advanced Mathematics

Erwin Kreyszig, Kreyszig: Advanced Engineering Mathematics, latest edition. John Wiley. ISBN 0-471-15496-2

R. Burden and J. Faires, Numerical Analysis, latest edition.

04-BS-6 – Mechanics of Materials

R.C. Hibbeler, Mechanics of Materials, third edition. Prentice-Hall, 1997.

04-BS-7 – Mechanics of Fluids

J.A. Robertson and C.T. Crowe, Engineering Fluid Mechanics, sixth edition. John Wiley, 1997.

04-BS-8 –Digital Logic Circuits

M.M. Mano, Digital Design, second edition. Prentice-Hall, 1991.

04-BS-9 – Basic Electromagnetics

D.K.Cheng, Electromagnetic Fields and Waves, second edition. Addison-Wesley, 1992.

04-BS-10 - Thermodynamics

Y.A. Cengel and M.A. Boles, Thermodynamics: An Engineering Approach, third edition. WCB McGraw-Hill, 1998.

04-BS-11 – Properties of Materials

Callister, William D., Jr. Materials Science and Engineering: An Introduction, 5th edition. Wiley College. 0-471-32013-7.

04-BS-12 – Organic Chemistry

Glayden, Greeves, Warren and Wothers, Organic Chemistry, latest edition, Oxford ISBN 0 19 850346 6

J. McMurry, Organic Chemistry, fourth edition. Brooks/Cole.

R.T. Morrison, R. N. Boyd, Organic Chemistry, seventh edition. Prentice-Hall, 1999.

04-BS-13 - Biology

James E. Bailey and David F. Ollis, Biochemical Engineering Fundamentals, 2nd edition. McGraw-Hill Book Company, 1986. ISBN# 0-07-003212-2.

or

Harvey W. Blanch and Douglas S. Clark, Biochemical Engineering. Marcel Dekker Inc., 1997. ISBN# 0-8247-0099-6

And

N.N. Mohsenin, Physical Properties of Plant and Animal Materials. Gordon and Breach Science Publishers, 1986. ISBN# 0-677-21370-0.

04-BS-14 - Geology

Lutgens and Tarbuck, Essentials of Geology, 6th edition. Prentice Hall, 1997. ISBN 0-13-752510-9.

Zumberge and Rutherford, Laboratory Manual for Physical Geology, 9th edition. McGraw Hill.

04-BS-15 – Engineering Graphics and Design Process

Earle, James H., Engineering Design Graphics, 11th edition. Prentice Hall, 2004. ISBN: 0-13-142573-0

Bertoline, G., Fundamentals of Graphic Communication, 4th edition. McGraw Hill, 2005. ISBN: 0072864583

04-BS-16 – Discrete Mathematics

Epp, Susanna, Discrete Mathematics with Applications, Third Edition, Thomson Learning, 2004 ISBN 0-534-35945-0

or

Rosen, Kenneth, Discrete Mathematics and its Applications, Sixth Edition, McGraw-Hill, 2007 ISBN 0-07-288008-2