

**04-Agric-A1 - Applied Plant, Animal, or Human Physiology**

Hopkins, W.G. and N.P.A. Huner, Introduction to Plant Physiology. 3<sup>rd</sup> Edition. John Wiley & Sons, Inc., 2004.

Currie, W.B., Structure and Function of Domestic Animals. CRC Press, 1992.

**04-Agric-A2 - Soil Physics and Mechanics**

Baver, L.D., W.H. Gardner, and W.R. Gardner, Soil Physics. 4th Edition. John Wiley and Sons, New York, 1972.

Coduto, Donald P., Geotechnical Engineering: Principles and Practices. Prentice Hall, 1998.

**04-Agric-A3 - Heat Engineering**

Holman, J.P., Heat Transfer. 9<sup>th</sup> Edition. McGraw-Hill, 2002

**04-Agric-A4 - Fluid Flow**

White, F.M., Fluid Mechanics. 5th Edition. McGraw-Hill, 2003.

**04-Agric-A5 - Principles of Instrumentation**

Figliola, R.S. and D.E. Beasley, Theory and Design for Mechanical Measurements. 3<sup>rd</sup> Edition. John Wiley and Sons, 2000.

Henry, Zoerb and Birth, editors, Instrumentation and Measurement for Environmental Sciences. ASAE, Saint Joseph, MI, 1991.

**04-Agric-A6 - Physical Properties of Biological Materials and Food Products**

Stroshine, R., Physical Properties of Agricultural Materials and Food Products. West Lafayette, IN., Purdue University, 2000.

**04-Agric-A7 - Chemistry and Microbiology of Foods**

Jay, J.M., Modern Food Microbiology. 4<sup>th</sup> Edition. D. Van Nostrand Co., New York, 1991.

deMan, John M., Principles of Food Chemistry. 3<sup>rd</sup> Edition. Aspen Publication, 1999.

**04-Agric-B1 - Systems Engineering and Materials Handling**

Meredith, D. D., et al, Design and Planning of Engineering Systems. 2<sup>nd</sup> edition. Prentice-Hall, 1985.

*Systems Engineering and Materials:*

Henderson, S.M., R.L. Perry and J.H. Young, Principles of Process Engineering. 4<sup>th</sup> Edition. ASAE Publication, 1997.

*Environment Control:*

Albright, L.D., Environment Control for Animals and Plants, with Computer Applications. ASAE Publication, 1990.

**04-Agric-B2 - Structural Design for Agricultural, Biosystems, and Food Industries**

Lindley, J.A. and J. H. Whitaker, Agricultural Buildings and Structures. (Revised Edition). ASAE Publication, St. Joseph, MI, 1996.

**04-Agric-B3 - Machine Design for Agricultural, Biosystems, and Food Industries**

Juvinal, R.C. and K.M. Marshek, Fundamentals of Machine Component Design. Wiley, New York, 2000.

**04-Agric-B4 - Machinery Analysis for Agricultural, Biosystems, and Food Industries**

Srivastava, A.K. et al., Engineering Principles of Agricultural Machines. ASAE, St. Joseph, MI, 1994.

**04-Agric-B5 - Power Units for Agricultural, Biosystems, and Food Industries**

Goering, C.E., M.L. Stone, D.W. Smith, and P.K. Turnquist, Off-Road Vehicle Engineering Principles. ASAE, St. Joseph, MI, 2003.

**04-Agric-B6 - Irrigation, Drainage, and Erosion Control**

Schwab, G.O., D.D. Fangmeier, W.J. Elliot, and R.C. Fravert, Soil and Water Conservation Engineering. 4<sup>th</sup> Edition. J. Wiley & Sons, 1993.

Smedema & Rycroft, Land Drainage. Cornell U. Press, 1993.

James, L.G., Principles of Farm Irrigation System Design. Krieger Publishing Company, 1993.

**04-Agric-B7 - Principles of Hydrology**

Ward, A.D. and S.W. Trimble (editors), Environmental Hydrology. 2<sup>nd</sup> Edition. Lewis Publishers, CRC Press, 2004.

**04-Agric-B8, B9 - Food Process Engineering (Part 1 & Part 2)**

Toledo, R.T., Fundamentals of Food Process Engineering. 2<sup>nd</sup> Edition. Van Nostrand, Reinhold, New York, 1991.

Singh, R.P. and D.R. Heldman, Introduction to Food Engineering. 3<sup>rd</sup> Edition. Academic Press, New York, NY, 2001.

Ibarz, Albert and Gustavo V. Barbosa-Cánovas, Unit Operations in Food Engineering. CRC Press Boca Raton, 2003.

**04-Agric-B10 - Biochemical Engineering (04-Chem-B4)**

Bailey, J.E. and D.F. Ollis, Biochemical Engineering Fundamentals, 2<sup>nd</sup> edition. McGraw-Hill, 1986.

**04-Agric-B11 - Principles of Waste Management**

Peary, H. S., et al, Environmental Engineering. McGraw-Hill, 1995.

Loehr, R., Pollution Control for Agriculture. Academic Press, Orlando, USA, 1984.

**04-Agric-B12 - Principles of Biological Waste Treatment**

Nazaroff, W.W. and L. Alvarez-Cohen, Environmental Engineering Science. John Wiley & Sons Inc., New York, 2001.

**04-Agric-B13 - Control and Monitoring**

Gates, S.C., et al., Laboratory Automation using the IBM PC. Prentice-Hall, 1989.

**04-Agric-B14 - Aquacultural Engineering**

Lawson, Thomas, Fundamentals of Aquacultural Engineering. Chapman & Hall, New York, 1995.

**04-Agric-B15 – Design of Buildings for Agricultural, Biosystems, and Food Industries**

Faherty, Keith and Thomas Williamson, Wood Engineering and Construction Handbook. 3rd edition. McGraw-Hill, 1997.

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