

[NOTE: Please feel free to use the most recent edition of textbooks referenced in this list](#)

### **17-Ind-A1      Operation Research**

W.L. Winston, Operations Research Applications and Algorithms, 4<sup>th</sup> edition. Duxbury Press, 2003.

F. Hillier, Introduction to Operations Research, 10<sup>th</sup> edition. McGraw-Hill, 2014.

### **17-Ind-A2      Analysis and Design of Work**

Ralph M. Barnes, Motion and Time Study Design and Measurement of Work, 7<sup>th</sup> edition. John Wiley and Sons Inc., 2002.

### **17-Ind-A3      Facilities Planning**

R.L. Francis, L.F. McGinnis, and J. A. White, Facility Layout and Location: An Analytical Approach. Prentice-Hall.

D.R. Sule, Manufacturing Facilities. PWS-Kent Publishing, Boston.

J.A. Tompkins, J.A. White, Y.A. Bozer, and J.M.A. Tanchoco, Facilities Planning. 4th Edition, John Wiley and Sons Inc., 2010.

J.A. Tompkins, J.A. White, Y.A. Bozer, and J.M.A. Tanchoco, Facilities Planning. 4th Edition, John Wiley and Sons Inc., Online Version, 2011.

### **17-Ind-A4      Production Management**

W.J. Hopp, M.L. Spearman, Factory Physics. 3<sup>rd</sup> edition. McGraw-Hill Irwin. 2008

M.P. Groover, Automation, Production Systems, and Computer-Integrated Manufacturing. 3<sup>rd</sup> Edition. 2007.

William Stevenson, Operation management, 12th Edition, McGraw-Hill Education, 2015 William Stevenson et Claudio Benedetti, La gestion des opérations

### **17-Ind-A5      Quality Planning, Control, and Assurance**

F.M. Gryna, Quality Planning and Analysis, 4th Edition, McGraw-Hill, 2000.

D.C. Montgomery, Introduction to Statistical Quality Control, 7th edition. John Wiley and Sons , 2013.

### **17-Ind-A6      Systems Simulation**

A.M. Law, Simulation Modeling and Analysis, 5<sup>th</sup> edition. McGraw-Hill., 2014

C.D. Pegden, R.E. Shannon, and R.P. Sadowski, Introduction to Simulation Using Siman. McGraw-Hill Inc., 1995.

J. Banks, J. S. Carson II, Barry L. Nelson, David M. Nicol, Discrete-Event System Simulation (5th Edition) Paperback – Pearson, 2010.

**17-Ind-B1 Applied Probability and Statistics**

D.C. Montgomery and G.C. Runger, Applied Statistics and Probability for Engineers. John Wiley. 2013.

**17-Ind-B2 Manufacturing Processes**

L.E. Doyle, C.A. Kayser, J.L. Leanh, G.F. Schruder, and M.B. Singer, Manufacturing Processes and Materials for Engineers, 3<sup>rd</sup> edition. Prentice-Hall, 1985.

J.T. Black, and R.A. Kohser, DeGarmo's Materials and Processes in Manufacturing, 11<sup>th</sup> edition. Wiley, 2011.

M.P. Groover, Fundamentals of Modern Manufacturing: Materials, Processes, and Systems, 4<sup>th</sup> Edition, Wiley, 2010.

**17-Ind-B3 Computer Aided Design and Computer-Assisted Manufacturing**

M.P. Groover, Automation, Production Systems, and Computer-Integrated Manufacturing. 3<sup>rd</sup> Edition. 2007.

**17-Ind-B4 Design of Information Systems**

Laudon & Laudon, Management Information Systems: A Contemporary Perspective, latest edition. MacMillan.

R. McLeod, Management Information Systems: A Study of Computer Based Information Systems, latest edition. Prentice Hall.

**17-Ind-B5 Ergonomics**

R.S. Bridger, Introduction to Ergonomics. Latest edition. CRC Press.

Kodak Ergonomics Group, Ergonomic Design for People at Work, Volumes I and II. Van Nostrand Reinhold Co. Ltd.

**17-Ind-B6 Workplace Design**

M.S. Sanders, E. McCormick, Human Factors in Engineering and Design, 7<sup>th</sup> Edition. McGrawHill, 1993.

E. Grandjean, Fitting The Task To The Human: A Textbook Of Occupational Ergonomics. 5<sup>th</sup> Edition. CRC Press, 1997.

**17-Ind-B7 Financial and Managerial Accounting**

Meigs, Meigs, and Lam, Accounting: The Basis for Business Decisions, 6<sup>th</sup> Edition (Canadian). McGraw-Hill.

R.M. Mallouk, Problems Plus Solutions In Financial Accounting. McGraw-Hill.

**17-Ind-B8 Computer Integrated Manufacturing (CIM)**

*Ulrich Rembold, Computer Integrated Manufacturing Technology and Systems, latest edition. Marcel Dekker, Inc. ISBN # 0-8247-7403-5.*

*M.P. Groover, Automation, Production Systems, and Computer-Integrated Manufacturing. 4<sup>th</sup> edition. Pearson, 2014.*

**17-Ind-B9 Logistics: Transportation Aspects**

*Not available at this time.*

**17-Ind-B10 Workplace Health and Safety**

*Occupational Health and Safety Act Regulation for Industrial Establishment. 880 Bay St. Toronto, Ontario. M7B 1N8. Tel.: 416-326-5300, 1-800 668-9938.*

*Willie Harruner, Occupational Safety Management and Engineering, latest edition. PrenticeHall. ISBN 0-13-629437-5.*