**Summer 2017 SWT Online Classes**

**As of May 1, 2017**

**6-week Summer 1 (5/15/17-6/23/17)**

**IT 38500 Industrial Ergonomics (3 CR)**

INSTRUCTOR: Pall, Gerry (Anderson)

P: MATH 15300 and MATH 15400 and Junior standing

NOTE: Student must have book on the first day of class – no exceptions for late assignments due to textbook issues.

TEXTBOOK: Work Design: Occupational Ergonomics, by Stephan Konz and Steven Johnson.  Holcomb Hathaway Publishers, 2008, seventh edition. ISBN 13: 978-1-890871-79-6 and/or ISBN 10: 1-890871-79-6.

**OLS 34600 Critical Thinking and Ethics (3 CR)**

INSTRUCTOR: McCart, Andrew (New Albany)

P: OLS 38600 and OLS 38800

TEXTBOOK 1:   Strategies for Creative Problem Solving. Authors:  H. Scott Fogler, Steven E. LeBlanc.  2nd or 3rd Edition, Published by Prentice Hall Upper Saddle River.

2/E: ISBN 978-0-13-008279-4 or 3/E: ISBN 9780133091663. [Student may use either the 2nd or 3rd edition].

TEXTBOOK 2:    Meeting the Ethical Challenges of Leadership: Casting Shadow or Light.  Author:  Johnson, Craig. 4th or 5th edition.  Sage Publishers. 5/E: ISBN 9781452259185. [Student may use either the 4th or 5th edition].

**OLS 47700 Conflict Management (3 CR)**

INSTRUCTOR: Barnett, Lorri (Anderson)

P: none

TEXTBOOK: Conflict Survival Kit: Tools for Resolving Conflict at Work, 2nd Edition, Daniel Griffith and Cliff Goodwin, ISBN:  978-0-13-274105-7.

**STAT 30100 Elementary Statistics (3 CR)**

INSTRUCTOR: Heiking, Jeff (Anderson)

P: none

TEXTBOOK: Introduction to the Practice of Statistics, 8th Ed, Moore, McCabe, & Craig, Freeman Publishing, ISBN 978-14-6415893-3.

**TECH 32000 Technology and the Organization (3 CR)**

INSTRUCTOR: Summers, Michele (Lafayette)

P: TECH 12000 and Junior standing

TEXTBOOK: A Guide to the Project Mgmt Body of Knowledge, 5/e, ISBN 9781935589679.

**TLI 11100 Intro to Manufacturing & supply Chain Systems (formerly IT 10400) (3CR)**

INSTRUCTOR: Maley, James (Richmond)

P: none

TEXTBOOK 1: Thinking in Systems: A Primer. Donella H. Meadows (2009). ISBN-13: 978-1603580557 ($11.99 new on Amazon)

TEXTBOOK 2: Improving Business Processes (Pocket Mentor). Harvard Business Review (2010). ISBN-13: 978-1422129739 ($9.95 new on Amazon)

**TLI 25400 Leading Change in Tech Organizations (formerly OLS 38600) (3 CR)**

INSTRUCTOR: Tanoos, James (Vincennes)

P: none

TEXTBOOK: Managing Organizational Change, 2nd edition, by Palmer, Dunford, & Akin. McGraw-Hill. ISBN: 978-0-07-340499-8

**TLI 33620 Total Productive Maintenance (formerly IT 38100) (3CR)**

INSTRUCTOR: Pace, Mike (South Bend)

P: PHYS 21800 and (STAT 30100 or IT 34200)

TEXTBOOK: Productivity and Reliability-based Maintenance Management, Mathew P Stephens, ISBN: 978-1-55753-592-4.

**6-week Summer 2 (6/26/17-8/05/17)**

**ENGL 42100 Technical Writing (3 CR)**

INSTRUCTOR: Searfoss, Cyndy (South Bend)

P: English Composition

TEXTBOOK: A Strategic Guide to Technical Communication, 2nd edition, Heather Graves & Roger Graves, Broadview Press, ISBN: 9781554811076.

**~~IT 28100 Industrial Safety (3 CR)~~ CANCELLED 3/7/2017**

~~INSTRUCTOR: Pace, Mike (South Bend)~~

~~P: none~~

**OLS 36400 Professional Development (3 CR)**

INSTRUCTOR: McCart, Andrew (New Albany)

P: OLS 38600 and OLS 38800

TEXTBOOK:  The Success Principles by Jack Canfield; ISBN 978-0060594893

**TECH 33000 Technology and the Global Society (3 CR)**

INSTRUCTOR:  Tanoos, James (Vincennes)

P: TECH 12000 and Junior standing

TEXTBOOK: none required. All materials will be included in Blackboard at no additional cost.

**TLI 11200 Foundations of Organizational Leadership (formerly OLS 25200) (3 CR)**

INSTRUCTOR: Tyler, Jan (Richmond)

P: none

TEXTBOOK: Organizational Behavior, v. 2.0 e-text. Bauer, T. N., & Erdogan, B. (2015). Flat World Knowledge. [eISBN 978-1-4533-7119-0]. Students can purchase the Digital All Access Pass for $51 by going to the link <http://students.flatworldknowledge.com/course/2527148>

**TLI 21300 Project Management (formerly OLS 45000) (3 CR)**

INSTRUCTOR: Barnett, Lorri (Anderson)

P: none

TEXTBOOK 1: Project Management: The Managerial Process with MS Project with Connect Access Card, Larson, 6e, McGraw-Hill, ISBN 978-1259249075 (must include access code).

**TEXTBOOK 2: HBR On Teams, ISBN 978-1-42218987-0.**

**TLI 29900 Technology & Culture Through History**

INSTRUCTOR: Maley, James (Richmond)

P: TECH 12000, COM 11400, English Composition

TEXTBOOK #1: Connections by James Burke, Simon & Schuster, 2007, ISBN-13: 978-0743299558

TEXTBOOK #2: Hubris and Hybrids: A Cultural History of Technology and Science by Mikael Hard and Andrew Jamison, Routledge, 2005, ISBN-13: 978-0415949392

~~TEXTBOOK #3: Technolopy: The Surrender of Culture to Technology by Neil Postman, Vintage, 1993, ISBN-13: 978-0679745402.~~

TEXTBOOK #4: The Shallows:  What the Internet is Doing to Our Brains by Nicholas Carr, W. W. Norton & Company, 2011, ISBN-13: 978-0393339758.

**TLI 33520 Human Factors for Tech Systems (formerly IT 35100) (3 CR)**

INSTRUCTOR: Pace, Mike (South Bend)

P: none

TEXTBOOK: Industrial Safety & Health Management, 6th edition, Asfahl & Rieske, ISBN: 978-0132368711.

**7-week Summer (6/12/17-8/01/17)**

**MET 45100 Manufacturing Quality Control (3 CR)**

INSTRUCTOR: McPherson, Paul (West Lafayette)

P: STAT 30100

TEXTBOOK: Essentials of Quality with Cases & Experimental Exercises, Victor E. Sower, ISBN: 978-0-470-50959-3.

**12-week Summer (5/15/17-8/05/17)**

**CNIT 48900 Advanced Topics in Database Technology (3CR)**

INSTRUCTOR: Swanson, Dewey (Columbus)

P: Juniors and Seniors with instructor approval

NOTES: Only open to Anderson, Columbus, and Kokomo CNIT students. Students are required to meet as a group on the following dates:

Friday, May 19, 10:00am-12:00noon, Columbus

Friday, July 28, 10:00-1:00 pm, Anderson or Kokomo

TEXTBOOK: Writing Research Papers, A Guide to the Process. Stephen Weidenborner, Domenick Caruso, and Gary Parks, 2005, 7th Edition. Bedford/St. Martin’s. ISBN: 0-312-41443-9

RECOMMENDED READING: Writing Research Papers, Weidenborner S., Caruso D., and Parks G., ISBN 9780312675868.

**TLI 31300 Technology Innovation & Integration: Bar Codes to Biometrics (formerly IT 34500)**

INSTRUCTOR: Tyler, Jan (Richmond)

P: none

TEXTBOOK: No textbook required. All materials will be included in Blackboard with no charge.

**12-week Summer (5/22/17-8/07/17)**

**MET 41100 Introduction to the Finite Element Method**

INSTRUCTOR: Dues, Joe (New Albany)

P: MET 211, MET 213, PHYS 218, PHYS 219, MA 222

TEXTBOOK: Introduction to Finite Element Analysis using SolidsWorks Simulation 2015, Randy H. Shih, SDC Publications, ISBN 978-1-58503-931-9. Labs will use Solidworks Simulation 2015.