**Purdue University Polytechnic Institute New Albany**

**Textbook Information**

**Spring 2022**

**IET 21400 Intro to Supply Chain Management**

INSTRUCTOR: Barber-Dansby, Fay

P: none

TEXTBOOK: Supply Chain and Logistics Management Made Easy: Methods and Applications for Planning, Operations, Integration, Control and Improvement, and Network Design, 1st Edition, Paul A. Myerson, ISBN-13: 978-0-13-399334-9.

**IET 31300 Technology Innovation & Integration: Bar Codes to Biometrics**

INSTRUCTOR: Bewley, William (Columbus)

TEXTBOOK: TEXTBOOK: Programming Arduino: Getting Started with Sketches, Second Edition (Tab), by Simon Monk, ISBN 978-1259641633.

SUPPLIES: ELEGOO Upgraded 37 in 1 Sensor Modules Kit with Tutorial for Arduino UNO R3 MEGA 2560 Nano 2016 New Version, [https://www.amazon.com/gp/product/B01MG49ZQ5/ref=ox\_sc\_act\_title\_2?smid=A2WWHQ25ENKVJ1&psc=1](https://www.amazon.com/gp/product/B01MG49ZQ5/ref%3Dox_sc_act_title_2?smid=A2WWHQ25ENKVJ1&psc=1)

SUPPLIES: Freenove Ultimate Starter Kit for Arduino | Beginner Learning | UNO R3 MEGA Nano Micro | Processing Oscilloscope Voltmeter | 51 Projects, 260 Pages Detailed Tutorials, 210+ Components, <https://www.ebay.com/itm/302057861688?hash=item46540d3238:g:gIMAAOSwLQtf9Ssj>

SUPPLIES: Optical Fingerprint Reader Sensor Module Door Lock Access Control for Arduino Mega2560 UNO R3 Geekstory, [https://www.amazon.com/Optical-Fingerprint-Control-Mega2560-Geekstory/dp/B07BQ9VNWR/ref=sr\_1\_4?ie=UTF8&qid=1546531608&sr=8-4&keywords=arduino+fingerprint+sensor](https://www.amazon.com/Optical-Fingerprint-Control-Mega2560-Geekstory/dp/B07BQ9VNWR/ref%3Dsr_1_4?ie=UTF8&qid=1546531608&sr=8-4&keywords=arduino+fingerprint+sensor)

SUPPLIES: Green Light Optical Fingerprint Reader Sensor Module for Arduino Mega2560 UNO R3 DIYmall, [https://www.amazon.com/Optical-Fingerprint-Arduino-Mega2560-DIYmall/dp/B07551XV2T/ref=sr\_1\_3?ie=UTF8&qid=1546531608&sr=8-3&keywords=arduino+fingerprint+sensor](https://www.amazon.com/Optical-Fingerprint-Arduino-Mega2560-DIYmall/dp/B07551XV2T/ref%3Dsr_1_3?ie=UTF8&qid=1546531608&sr=8-3&keywords=arduino+fingerprint+sensor)

**IET 31600 Statistical Quality Control**

INSTRUCTOR: Parker, Thomas (Vincennes)

TEXTBOOK: Managing, Controlling and Improving Quality, Montgomery, Jennings, and PFund, Wiley 2011, ISBN 978-0471697916.

**IET 33400 Economic Analysis for Technology Systems)**

INSTRUCTOR: Schaffer, Andy (New Albany)

P: MA 15800 or MA 15900 or MA 16010 or (MA 15300 and MA 15400) or STAT 30100

NEW TEXTBOOK: Engineering Economy, 8th edition, Blank & Tarquin, 2018, McGraw-Hill (the same textbook that’s used in WL). Students may rent or purchase a hard copy of the textbook: ISBN: 9780073523439.

Or, they may use McGraw-Hill Connect, and purchase a 6-month access to the e-book: ISBN: 9781259676819.

**IET 33520 Human Factors for Tech Systems)**

INSTRUCTOR: Murray, Phil (Vincennes)

TEXTBOOK: TBD

**IET 34200 Warehouse & Inventory Management**

INSTRUCTOR: McCart, Andrew (New Albany)

TEXTBOOK: Cellular Manufacturing: One-Piece Flow for Workteams, (Volume 2) 1st Edition, by Productivity Development Team. Publisher: Productivity Press; 1 edition (March 5, 1999), ISBN-13: 978-1563272134

TEXTBOOK: Essentials of Inventory Management Hardcover, Second Edition, by Max Muller, Publisher: AMACOM; April 25, 2011, ISBN-13: 978-0814416556

**IET 34300 Technical & Service Selling**

INSTRUCTOR: Wolf, Tammy (Lafayette)

TEXTBOOK: Selling: Building Partnerships Connect version, 11th edition, Stephen Castleberry and John Tanner, ISBN: 978-1264072040 (Connect access card with ebook included).

**IET 43530 Operations Planning & Management**

INSTRUCTOR: Pall, Gerald (Anderson)

TEXTBOOK: Operations Management Flexible Version, 10th Ed., Heizer, Jay and Render, Barry. Prentice Hall, New Jersey, ISBN: 978-0-13-216392-7. Do not use newer edition.

**IET 43540 Facility Design for Lean Manufacturing**

INSTRUCTOR: Fay Barber-Dansby (Anderson)

TEXTBOOK: Manufacturing Facilities Design and Material Handling, 6th edition, Pearson Publishing, Matthew Stephens, ISBN: 978-1-55753-859-8.

**IET 43630 Design of Experiments (NEW)**

INSTRUCTOR: Maley, Jim (Richmond)

 TEXTBOOK: No textbook needed. Materials will be provided in Brightspace at no cost.

**IET 43640 Lean Six Sigma**

INSTRUCTOR: Maley, Jim (Richmond)

TEXTBOOK: Lean Six Sigma and Minitab (6th Edition): The Complete Toolbox Guide for Business Improvement – January 1, 2020, ISBN 978-0995789944.