

Department of Industrial and Systems Engineering
BOOK LIST – Fall 2015

<u>Undergraduate</u>		<u>Graduate</u>	
540:201	WORK DESIGN & ERGO “Work Systems & The Methods, Measurements and Management of Work,” by Groover, Pearson/Prentice Hall, 1st Edition, ISBN: 9780131406506-7	540:505	DECISION MAKING UNDER UNCERTAINTY “Intro to Stochastic Modeling,” by Taylor and Karlin, Academic Press, 1998, 3 rd Edition, ISBN: 0-12-398552-8
540:213	IE LABORATORY TBA	540:510	DETERM MODELS IN IE “Linear Programming & Network Flows,” by Baz: Jarvis and Sherali, John Wiley & Sons, 4 th Edition ISBN: 13-978-0-12-684887-8
540:338	PROB MODELS IN OR “Operations Research,” by Winston, Cengage Learning, 4 th Edition ISBN: 05-3438-0581	540:573	ADVANCED MFG. PROCESSES “3D Printing and Additive Manufacturing, by Chua and Leong, World Scientific, 2015 ISBN: 9789814571401
540:343	ENG ECONOMICS “Engineering Economy,” by Sullivan, Pearson Edu, 16 th Edition ISBN: 9780133750218		“Micro-Manufacturing: Design and Manufacturing of Micro-Products, by Koc and Ozel, Wiley Pub. 2011 ISBN: 9780470556443
540:382	COMP CONT OF MFG “Digital Control System Analysis & Design, 4/E,” by Phillips, Nagle and Chakraborty, Prentice Hall ISBN: 10:0132938316 ISBN: 13:9780132938310 “Automation, Production Systems and Computer-Integrated Manufacturing, 4/E, by Groover, Prentice Hall, 2015 ISBN: 10:0133499618 ISBN: 13:9780133499612	540:580	QUALITY MANAGEMENT “Managing for Quality and Performance Excellence (with Student Web) Hardcover,” By Evans and Lindsay, Cengage Learning, 8 th Edition, ISBN: 978-0324783209
540:400	DESIGN ENG SYS No Text Required	540:585	SYSTEMS RELIAB ENG I No Text Required
540:433	QUALITY ENGINEERING “Statistical Quality Control,” by Montgomery, John Wiley & Sons, 7 th Edition ISBN: 9781118146811	540:616	ADVANCED STOCHASTIC MODELS IN IE “A First Course in Stochastic Processes,” by Karlin and Taylor, Academic Press, 2 nd Edition, ISBN: 0-12-398552-8
540:453	PRODUCTION CONTROL “Production & Operations Analysis, 6/E” by Nahmias, Wohl Pub, 6 th Edition ISBN: 9781935938255	540:694	ADVANCED TOPICS IN IE – DATA MINING “Statistical Learning with Sparsity: The Lasso and Generalizations,” by Hastie, Tibshirani and Wainwright, Hard Cover, June 18, 2015, Chapman & Hall “Applied Predictive Modeling,” by Kuhn and Johnson, Springer Pub, Hard Cover, 2013, ISBN: 13:9781461468486 ISBN: 10: 1461468485 “Understanding Complex Datasets: Data Mining with Matrix Decompositions,” by Skillicorn, Chapman & Hall, ISBN: 10:1584888326 ISBN: 13:978-158488321
540:484	DESIGN MFG. ENTERPRISE TBA		