

Department of Industrial and Systems Engineering
BOOK LIST – Fall 2018

<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: 978-0-131-406506-7	540:505	DECISION MAKING UNDER UNCERTAINTY “Intro to Prob. Models,” by Ross, Elsevier Science ISBN: 10:0124079482 ISBN: 13: 978-0-124-079489
540:213	IE LABORATORY TBA	540:510	DETERM MODELS IN IE “Linear Programming & Network Flows,” by Bazaraa, Jarvis and Sherali, Wiley & Sons, 4 th Edition ISBN: 978-0-470462720
540:320	ENGINEERING STATISTICS “Applied Statistics and Probability for Engineers,” by Montgomery and Runger, Wiley & Sons, 6 th Edition ISBN: 978-1-118-539712 ISBN: 10:1118539710	540:573	ADVANCED MFG. PROCESSES “Micro-Manufacturing: Design and Manufacturing of Micro-Products, by Koc and Ozel, Wiley Pub. 2011 ISBN: 978-0-470-556443 “Micro-Cutting: Fundamentals & Applications, by Cheng and Huo, Wiley Pub, 2013 ISBN: 978-0-470-972878 “Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing,” by Gibson, Rosen & Stucker, Springer Pub., 2015 ISBN: 978-1-493-921126
540:338	PROB MODELS IN OR “Operations Research,” by Winston, Cengage Learning, 4 th Edition ISBN: 05-343-80581	540:575	ADVANCED ENGINEERING ECONOMICS TBA
540:343	ENG ECONOMICS “Engineering Economy,” by Sullivan, Wicks and Koelling, Pearson Edu, 16 th Edition ISBN: 978-0-133-750218	540:580	QUALITY MANAGEMENT “Managing for Quality and Performance Excellence,” by Evans and Lindsay, 10 th Edition, Cengage Learning ISBN: 10:1305662547 ISBN: 13:978-1-305-662544
540:382	COMP CONT OF MFG SYS No Text Required	540:585	SYSTEMS RELIAB ENG I “Reliability Engineering,” by Elsayed, 2 nd Edition, Wiley Pub. ISBN: 978-1-118-137192
540:400	DESIGN ENG SYS No Text Required	540:594	RISK ANALYSIS No Text Required
540:433	QUALITY ENGINEERING “Statistical Quality Control,” by Montgomery, John Wiley & Sons, 7 th Edition ISBN: 978-1-118-146811	540:694(01)	ADVANCED TOPICS IN IE – DATA MINING No Text Required
540:453	PRODUCTION CONTROL “Production & Operations Analysis,” by Nahmias and Lennon, Waveland Press, 7 th Edition ISBN: 1-4786-2306-3 ISBN: 978-1-478-723069	540:694(02)	ADVANCED TOPICS IN IE – SIMULATION No Text Required
540:491(02)	INTRO TO RELIABILITY ENGINEERING “Intro to Reliability Eng. and Maintainability Eng.,” Waveland Press ISBN: 1-5776-6625-9 ISBN: 978-1-577-666257		

