

## Textbooks for Engineering Courses - Spring 2020

Course #	Course Name	Instructor	Title	Author (s)	Edition	ISBN
CIVE127	Engr. Draw for Civil Engr.	Krohn	A Practical Guide to AUTODESK CIVIL 3D 2020 Ed.	Ellis	1 <sup>st</sup>	978-1934865446
CIVE212	Intro. To Geomatics	Krohn	Elementary Surveying	Ghilani	14 <sup>th</sup>	978-0133758887
CIVE313	Theoretical Fluid Mech.	Krohn	Munson, Young & Okiishi's Fund. Fluid Mech. (Loose-leaf)	Gerhart	8 <sup>th</sup>	978-1119080701
EECE226	Circuits as Systems	Mellenthin	Design W/Oper. Amplifiers & Analog Integ. Circuits	Franco	4 <sup>th</sup>	978-0078028168
			Fundamentals of Electric Circuits	Alexander	6 <sup>th</sup>	978-0078028229
EECE227	Electronic Design Lab.	Mellenthin	First Lab in Circuits & Electronics	Tsividis	1 <sup>st</sup>	978-0471386957
EECE235	Digital Logic	Mellenthin	Digital Design : Principles and Practices	Wakerly	1 <sup>st</sup>	978-0134460093
ENGR125	CAD & Fabrication	Penick/Staff	Intro. to Solid Modeling Using SW2018	Howard & Musto	13 <sup>th</sup>	978-1259820175
ENGR140	First-Year Engineering Project	Kliska/Lanci/Krohn	<i>No textbook required</i>	-	-	-
ENGR224/L	Materials Science	Kessler/Lanci	Metals Handbook Desk Edition	Davis	2 <sup>nd</sup>	978-0871706546
ENGR261	Statics & Structures	Krohn	Engineering Mechanics: Statics	Meriam & Kraige	7 <sup>th</sup>	978-0470614730
ENGR263	Mechanics of Solids	Kessler	Mechanics of Materials	Hibbeler	10 <sup>th</sup>	978-0134319650
ENGR317	Fund. Circuits & Electronics	Mellenthin	Fundamentals of Electric Circuits	Alexander	6 <sup>th</sup>	978-0078028229
ENGR317L	Fund. Circuits & Electronics Lab	Mellenthin	Fundamentals of Electric Circuits	Bell	1 <sup>st</sup>	978-0195430363
ENGR325	Component Design	Kessler	Machine Design	Norton	5 <sup>th</sup>	978-0133356717
ENGR343	Dynamics	Bevill	Engineering Mechanics: Dynamics	Hibbeler	14 <sup>th</sup>	978-0133915389
ENGR353	Explor. Entrepreneurship Opp.	Joufflas	TBD	-	-	-
ENGR385	Engineering Integration 2	Bevill	<i>No textbook required</i>	-	-	-
ENGR425	Advanced Manufacturing	Lanci	Metals Handbook Desk Edition ( <i>Same as ENGR224</i> )	Davis	2 <sup>nd</sup>	978-0871706546
			The Goal: A Process of Ongoing Improvement	Goldratt & Cox	3 <sup>rd</sup> or 2 <sup>nd</sup>	978-0884271956
ENGR435	Industrial Controls	Penick	Programmable Logic Controllers (Recommended)	Petrusella	5 <sup>th</sup>	978-1307174076
ENGR485/446	ME Design Proj 2/Writing MEDP	Penick/Lanci	The Engineering Communication Manual	House & others	1 <sup>st</sup>	978-0199339105
CVEN3227	Probability & Statistics	J. Sholtes	Probability Concepts in Engineering	Ang & Tang	2 <sup>nd</sup>	978-0471720645
CVEN3256	Construction Equip. & Methods	Techera	Construction Plan. Equip. & Methods	Peurifoy	9 <sup>th</sup>	978-1260108804
CVEN3323	Hydraulic Engineering	J. Sholtes	Fundamentals of Hydraulic Engineering Systems	Houghtalen, Akan & Hwang	5 <sup>th</sup>	978-0134292380
CVEN3424	Water & Wastewater Manag.	K. Sholtes	TBD			
CVEN4545	Steel Design	Techera	Structural Steel Design	Mc Cormac & Csernak	6 <sup>th</sup>	978-0134589657
CVEN4555	Reinforced Concrete Design	Techera	Reinforced Concrete Design	Aghayere	9 <sup>th</sup>	978-0134715353
CVEN4899	CE Design Project	J. Sholtes	<i>No textbook required</i>			
MCEN3012	Thermodynamics 1	K. Sholtes	TBD			
MCEN3022	Heat Transfer	Mitrano	Fund. of Heat and Mass Transfer ( <i>Recommended</i> )	Bergman	8, 7 or 6 <sup>th</sup>	-
MCEN3025	Component Design	Castro	Machine Design	Norton	5 <sup>th</sup>	978-0133356717
MCEN3030	Computational Methods	Castro	Num. Methods for Engineers and Scientists	Gilat & Subramaniam	3 <sup>rd</sup>	978-1118554937
MCEN3032	Thermodynamics 2	McNeill	Thermodynamics for Dummies	Pauken	1 <sup>st</sup>	978-1118002919
			Thermodynamics for Engineers	Potter & Somerton	3 <sup>rd</sup>	978-0071830829
MCEN3047	Data Analysis & Measurements	Mitrano	Statistics for Engineers & Scientists	Navidi	4 <sup>th</sup>	978-0073401331
MCEN4085/4086	ME Design Proj 2/Writing MEDP	McNeill/K. Sholtes	The Engineering Communication Manual	House & others	1 <sup>st</sup>	978-0199339105
MCEN4173	Intro. to Finite Elem. Analysis	Castro	Introduction to FEA Using SW Simulations 2019	Shih	-	978-1630572358
MCEN4228	Mechatronics	Affrunti	Mechatronics	Bolton	6 <sup>th</sup>	978-1292076683
MCEN4228	Electric Power Engineering	Affrunti	<i>No textbook required</i>			

This list includes textbooks submitted by 1/15/2020. For other classes, please contact Instructor.