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Course ID	Course Name	Instructor	Textbook title	Author(s)	Edition	ISBN
CVEN 3227	Probability and Statistics	J. Sholtes	Probability Concepts in Engineering	Ang & Tang	2nd	978-0471720645
CVEN 3256	Construction Equipment and Methods	Techera	Construction Plan. Equip. & Methods	Peurifoy	9th	978-1260108804
CVEN 3323	Hydraulic Engineering	J. Sholtes	Fundamentals of Hydraulic Engineering Systems	Houghtalen, Akan & Hwang	5th	978-0134292380
CVEN 3424	Water and Wastewater Treatment	K. Sholtes	Water & Wastewater Engineering: Design Principles & Practice	Davis	2nd	978-1260132274
CVEN 3718	Geotechnical Engineering 2	K. Sholtes	Geotechnical Engineering Principles and Practices	Coduto, Yeung & Kitch	2nd	978-0132368681
ECEN 3170	Electromagnetic Energy Conversion 1	Chaudhary	Optional: <i>Electric Machinery Fundamentals</i>	Chapmann	5th	007-108617X
ECEN 3300	Linear Systems	Basumallik	Advanced Linear Algebra for Engineers Using MATLAB	Dianat & Saber	-	978-1420095234
ECEN 3593	Computer Organization	Chaudhary	Optional: <i>Computer Organization and Design</i>	Patterson & Hennesy	6th	012-4077269
ECEN 3753	Real-Time Operating Systems	Chaudhary	Optional: <i>Real Time Operating Systems - The Theory</i>	Cooling	6th	154-9608940
ECEN 3810	Introduction to Probability Theory	Basumallik	A Modern Introduction to Probability and Statistics	Dekking	-	978-1849969529
MCEN 3012	Thermodynamics	Castro	Thermodynamics: An Engineering Approach (Textbook only)	Cengel, Boles & Kanoglu	9th	Textbook link
MCEN 3022	Heat Transfer	Mitrano	Recommended: Fund. of Heat and Mass Transfer	Bergman	8, 7 or 6th	-
MCEN 3025	Component Design	Castro	Machine Design (Textbook only)	Norton	6th	Textbook link
MCEN 3032	Thermodynamics 2	McNeill	Thermodynamics: An Engineering Approach	Cengel, Boles & Kanoglu	9th	978-1259822674
MCEN 3047	Data Analysis and Exp. Methods	Mitrano	Statistics for Engineers & Scientists	Navidi	4th	978-0073401331
ECEN 4620	Capstone Lab Part 2	McNeill	<i>No textbook required</i>	-	-	-
ECEN 4638	Control Systems Laboratory	Basumallik	<i>No textbook required</i>	-	-	-
CVEN 4555	Reinforced Concrete Design	Techera	Reinforced Concrete Design	Aghayere	9th	978-0134715353
CVEN 4836	Special Topics: Building Info Model.	Techera	<i>No textbook required</i>	-	-	-
CVEN 4899	CE Senior Design Project	J. Sholtes	<i>No textbook required</i>	-	-	-
MCEN 4085	ME Design Project 2	McNeill	<i>No textbook required</i>	-	-	-
MCEN 4086	Writing for Design Projects	Lanci	Engineering Communication Manual	House	1st	978-0199339105
MCEN 4173	Finite Element Analysis	Castro	Introduction to FEA Using SW Simulations 2021	Shih	-	Textbook link
MCEN 4228	Special Topics in ME: Mechatronics	Affrunti	Mechatronics	Bolton	6th	978-1292076683