

FALL 2018 - TEXTBOOK LIST								
Professor (Last Name, First Name)	Course Number	Estimated Number of Students	Text Title	Author	Publisher	Edition	ISBN Number (optional)	Required or recommended text?
Lepek, Daniel	ChE341	23	Transport Processes and Separation Process Principles	Geankoplis, Hersel, Lepek	Pearson	Fifth	978-0134181028	Required
Weiser, Jennifer	ChE 211	18	Fundamentals of Materials Science and Engineering: An Integrated Approach 5th edition	Callister and Rethwisch	Wiley	5th	978-1-119-12764-3 or 978-1-119-12764-2	Required
Weiser, Jennifer	ChE 351	16	Separation Process Principles 3rd edition	Seader, Henley, and Roper	Wiley	3rd	470481838	Required
Topper, Robert	Ch 160	10	Physical Chemistry for the Chemical and Biological Sciences	Raymond Chang	University Science Books	1	978-1-891389-06-1	Required
Topper, Robert	Ch 361	25	Quantum Chemistry	Donald A. McQuarrie	University Science Books	2	978-1-891389-50-4	Required
Savizky, Ruben	Ch231	20	Organic Chemistry	Klein	Wiley	any		Required
Simson, Amanda	ChE 423	15	Catalytic Air Pollution Control	Farrauto and Heck	Wiley	3rd		Required
Simson, Amanda	Che 331	20	Fundamentals of Chemical Engineering Thermodynamics	Dahm and Visco	CENGAGE Learning	1st		Required
Guido, Vito	CE431`	15	Principles of Foundation Engineering	Braja Das	Cengage Learning	8th		Recommended
Kwong, Neal Simon	CE 342	19	Design of Reinforced Concrete	Jack C. McCormac and Russell H. Brown	Wiley	10th	978-1118879108	Required
Kwong, Neal Simon	ESC200C	16	Vector Mechanics for Engineers: Statics and Dynamics	Ferdinand Beer, E. Russell Johnston, Jr., David Mazurek, Phillip Cornwell, Brian Self	McGraw-Hill Inc.	11th	978-0073398242	Required
Kwong, Neal Simon	EID101C	28	Engineering by Design	Voland, Gerard	Pearson Prentice Hall	2nd		Required
Mintchev, Stan	Ma 110	25-30	Elementary Linear Algebra	Anton, H.	John Wiley & Sons.	Tenth Edition.		Required
Mintchev, Stan	Ma 111	25-30	Calculus.	Thomas, George B. (as revised by Weir, Maurice D. and Hass, Joel).	Addison-Wesley.	Twelfth Edition.		Required
Mintchev, Stan	Ma 326	25-30	Linear Algebra.	Friedberg, Steven H., Insel, Arnold J., and Spence, Lawrence E.	Prentice Hall.	Fourth Edition.		Required
Kwong, Neal Simon	CE 342	19	ACI 318-14 Building Code Requirements for Structural Concrete and Commentary	ACI Committee 318	American Concrete Institute	Publication year 2014	978-0870319303	Required
Tzavelis, Cosmas	CE321	25	Structural Analysis	Hibbeler	Pearson	10th	SBN-13: 978-0134610672	Required
Smyth, Robert	MA341	21	Elementary Differential Geometry	Barrett O'Neill	Elsevier	Revised 2nd Edition		Required
Topper, Robert	Ch 111	6	Fundamentals of Analytical Chemistry	Douglas A. Skoog (Author), Donald M. West (Author), F. James Holler (Author), Stanley R. Crouch (Author)	Brooks / Cole CENGAGE	9		Recommended
Bastos, Peter	Ch 111	10	Fundamentals of Analytical Chemistry	Douglas A. Skoog (Author), Donald M. West (Author), F. James Holler (Author), Stanley R. Crouch (Author)	Brooks/Cole CENGAGE	9		Recommended
Davis, Ben	ChE221	19	Material and Energy Balances	Matthew Liberatore	zybooks	N/A		Required
Davis, Ben	ChE221	19	Elementary Principles of Chemical Processes	Felder, Rousseau, and Bullard	Wiley	4th	1118431227	Recommended
Davis, Ben	ChE/EID488	10	An Introduction to Optimization	Chong and Zak	Wiley	3rd	9.78E+12	Required
Davis, Ben	ChE421	10	Chemical Reactor Design, Optimization, and Scaleup	E. Bruce Nauman	Wiley	2nd	9.78E+12	Required
Raja, Anita	EID 101	26	Engineering by Design	Gerard Voland	Pearson	2nd	978-0131409194	Required