

## Department Electives 2019-2020

### Fall 2019

CHEM 109A (4)	Organic Chemistry	Staff
ECE 147A (5)	Control Systems	Teel
ENGR 101	Ethics in Engineering	Staff
MATRL 100A	Structure and Properties 1	Staff
ME 102	Finite Elements Analysis of Heat Transfer and Fluid Flow	Matthys
ME 125/225 IB	Special Topics: Defects in Engineering Materials	Beyerlein
ME 125/225 EY	Special Topics: Biological Computing	Yeung
ME 128	Design of Medical Devices	Laguette
ME 140A	Numerical Analysis	Meiburg
ME 157/257	Introduction to Multiphysics Simulations	Meinhart
ME 167	Structural Analysis	Yang
ME 179D	Intro to Robotics: Dynamics	Byl
ME 179L	Intro to Robotics: Design Lab	Dahlen
TMP 120 (4)	Business Strategy & Leadership Skills	Staff
TMP 122 (4)	New Venture Creation: Entrepreneurship	Staff

### Winter 2020

CHEM 109A (4)	Organic Chemistry	Staff
ECE 147B	Digital Control Systems- Theory and Design	Byl
ENGR 101	Ethics in Engineering	Staff
ME 112	Energy	Matthys
ME 125EH	Special Topics: Soft Robotics	Hawkes
ME 125LP	Special Topics: Intro to Design Optimization	Meinhart/Petzold
ME 125/ 225SD	Special Topics: Failure Analysis	Daly
ME 125/225 YZ	Special Topics: Interfacial Phenomena	Zhu
ME 141A	Intro to NEMS/MEMS	Pennathur
ME 158	Adv CAD/CAM	Green
ME/ECE 179P	Intro to Robotics: Planning & Kinematics	Bullo
TMP 120 (4)	Business Strategy & Leadership Skills	Staff

### Spring 2020

CHEM 109A (4)	Organic Chemistry	Staff
ECE 147C	Control Sys Design Project	Mostofi
ENGR 101	Ethics in Engineering	Staff
ENV S 105 (4)	Solar and Renewable Energy	Staff
MATRL 100C	Fundamentals of Structural Evolution	Levi
ME 110	Aerodynamics and Aeronautical Engineering	Meinhart
ME 125/225 AS	Special Topics: Intro to Multiphase Flow	Sauret
ME 125 BL	Special Topics: Radiative Transfer and Solar Energy	Liao
ME 125/225 ED	Special Topics: TBA	Dressaire
ME 125/225 EM	Special Topics: TBA	Matthys
ME 125/ 225 PL	Special Topics: Wind and Tidal Energy Extraction	Luzzato-Fegiz
ME 125 TB	Special Topics: Waves and Flow	Bennett
ME 134	Adv Thermal Science	Matthys
ME/ECE 141B	MEMS: Processing and Device Characterization	Pennathur
ME 146/246	Molecular and Cellular Biomechanics	Valentine
ME 155C (cross listed ECE 147C)	Control Sys Design Project	Mostofi
ME 166	Advanced Strength of Materials	Daly
ME W 167 (SAME AS ME 167)	(ONLINE) Structural Analysis	Yang
ME 169	Nonlinear Phenomena	TBA
ME/MATRL 186B	Introduction to Additive Manufacturing	Begley
TMP 120 (4)	Business Strategy & Leadership Skills	Staff
TMP 122 (4)	New Venture Creation: Entrepreneurship	Staff

\* These Electives may change frequently throughout the year.