

MECHANICAL ENGINEERING GRADUATE COURSES - 2021-22*

* These courses are subject to change throughout the year.

Fall 2021

ME 210A	Matrix Analysis Comp	Chandrasekara
ME 210D	PDE's Finite Elements	Garcia-Cervera
ME 215A	Applied Dynamical Systems I	Mezic
ME 219	Mechanics of Materials	Begley
ME 220A	Fundamentals of Fluid Mechanics	Luzzatto-Fegiz
ME 225BL	Nanoscale Energy Transport and Conversion	Liao
ME 225EH	Soft Robotics	Hawkes
ME 225F	Flow Instabilities and Turbulence	Sauret
ME 225EY	Biological Computing	Yeung
ME 225YZ	Interfacial Phenomena	Zhu
ME 243A	Linear Systems	Bamieh
ME 244A	Advanced Methods in Engineering	TBD
ME 269	Network Systems: Dynamics & Controls	Bullo
ME 291A	Physics of Transducers	Valentine
ME 292	Design of Transducers	Pennathur

Winter 2022

ME 203	Operator Theory Methods in Dynamical Systems	Mezic
ME 210B	Numerical Simulation	Petzold
ME 220B	Fundamentals of Fluid Mechanics	Bennett
ME 225MC	MEMS Characterization	Valentine
ME 225FA	Failure Analysis	Daly
ME 225ML	Machine Learning & System Identification	Yeung
ME 230	Elasticity and Plasticity	Beyerlein
ME 236	Nonlinear Control Systems	Teel
ME 252B	Computational Fluid Dynamics	Meiburg
ME 258	Methods in Mechanobiology and Microfabrication	Pruitt
ME 271	Finite Element Structural Analysis	TBD

Spring 2022

ME 210C	Numerical Solution of Partial Differ Equations-Finite Diff. Methods	Staff
ME 215B	Applied Dynamical Systems II	Moehlis
ME 221	Advanced Viscous Flows	Dressaire
ME 225AS	Intro to Multiphase Flow	Sauret
ME 225FB	Nonlinear networks: Dynamics, Learning, and Applications	Bullo
ME 225PL	Wind and Tidal Energy Extraction	Luzzatto-Fegiz

ME 225RA	Radiative Energy Transfer	Bennett
ME 225RS	Engineering Biomaterials	Stowers
ME 246	Molecular and Cellular Biomechanics	Valentine
ME 264	Mechanical Behavior of Materials	Pollock
ME 275	Fracture Mechanics	McMeeking
ME 292	Design of Transducers	Pruitt