

## MECHANICAL ENGINEERING GRADUATE COURSES - 2020-2021\*

\* These courses are subject to change throughout the year.

### Fall 2020

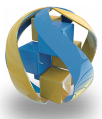
ME 210A	Matrix Analysis Comp	Chandrasekara
ME 210D	PDE's Finite Elements	Atzberger
ME 215A	Applied Dynamical Systems I	Moehlis
ME 219	Mechanics of Materials	Begley
ME 220A	Fundamentals of Fluid Mechanics	Luzzatto-Fegiz
ME 225EH	Soft Robotics	Hawkes
ME 225F	Flow Instabilities and Turbulence	Sauret
ME 225FB	Nonlinear Networks: Dynamics, Learning, and Applications	Bullo
ME 225RS	Engineering Biomaterials	Stowers
ME 225EY	Biological Computing	Yeung
ME 225YZ	Interfacial Phenomena	Zhu
ME 243A	Linear Systems	Bullo
ME 244A	Advanced Methods in Engineering	Mukherje
ME 291A	Physics of Transducers	Valentine

### Winter 2021

ME 210B	Numerical Simulation	Petzold
ME 211	Self-Organization	Campas
ME 220B	Fundamentals of Fluid Mechanics	Bennett
ME 225MM	Mathematical Methods in Systems and Controls	Bamieh
ME 225MC	MEMS Characterization	Valentine
ME 225SD	Failure Analysis	Daly
ME 225ML	Machine Learning & System Identification	Yeung
ME 232	Plasticity	Beyerlein
ME 236	Nonlinear Control Systems	
ME 243B	Linear Systems II	
ME 252A	Computational Fluid Dynamics	Meiburg
ME 258	Methods in Mechanobiology and Microfabrication	Pruitt21
ME 271	Finite Element Structural Analysis	Beyerlein

### Spring 2021

ME 203	Operator Theory Methods in Dynamical Systems	Mezic
ME 210C	Numerical Solution of Partial Differ Equations-Finite Diff. Methods	Staff
ME 221	Advanced Viscous Flows	Dressaire
ME 225AS	Intro to Multiphase Flow	Sauret
ME 225PL	Wind and Tidal Energy Extraction	Luzzatto-Fegiz



<b>ME 225IB</b>	<b>Defects in Engineering Materials &amp; Analysis</b>	<b>Beyerlein</b>
<b>ME 246</b>	<b>Molecular and Cellular Biomechanics</b>	<b>Valentine</b>
<b>ME 256</b>	<b>Robust Control</b>	<b>Bamieh</b>
<b>ME 264</b>	<b>Mechanical Behavior of Materials</b>	<b>Begley</b>
<b>ME 269</b>	<b>Network Systems: Dynamics &amp; Controls</b>	<b>Bullo</b>
<b>ME 275</b>	<b>Fracture Mechanics</b>	<b>McMeeking</b>
<b>ME 292</b>	<b>Design of Transducers</b>	<b>Pruitt</b>