

# Advanced Engineering Technical Electives (List 1)

## Fall 2020

627	Automotive Design	Sorem	Needed for Formula
633	Basic Biomechanics	Fischer	Needed for BIOE
636	Internal Combustion Engines	Depcik	
702	Mechanical Engineering Analysis	Yang	
722	Modeling Dynamics Mechanical Systems	Luchies	
733	Gas Dynamics	TenPas	
751	Experimental Methods Biomechanics	Luchies	BIOE
754	Biomedical Optics	Yang	BIOE
765	Biomaterials	Friis	BIOE
767	Molecular Biomimetics	Tamerler	BIOE
790	Intro to Surface & Interface Science	Kwon	

## Spring 2021 (tentative)

412	Thermal Systems	TenPas	
639	Alternative Energy Systems	TenPas	
696	Design for Manufacturability	Maletsky	
718	Fundamentals of Fuel Cells	Li	
753	Bone Biomechanics	Fischer	BIOE
757	Biomechanical Systems	Wilson	BIOE
760	Biomedical Product Development	Friis	BIOE
790	Adv Functional Materials & Coatings	Kwon	
790	Bioadditive Manufacturing	Tamerler	BIOE