

Course #	Course Title	Instructor	Fall	Spring	Summer	Comments
EN.535.606	Advanced Strength Of Materials	Burkhardt	X			Online only
EN.535.609	Topics in Data Analysis	Hess	X			Online only
EN.535.610	Computational Methods of Analysis	Burkhardt			X	In person only (Every other Summer)
EN.535.612	Intermediate Dynamics	Kim	X			Online only
EN.535.613	Structural Dynamics and Stability					Discontinued
EN.535.614	Fundamentals of Acoustics	Burkhardt				Online course is currently under development
EN.535.621	Intermediate Fluid Dynamics	Hess	X	X		Online only
EN.535.622	Robot Motion Planning	Kutzer		X	X	Online only
EN.535.623	Intermediate Vibrations	Kim		X		Online only
EN.535.625	Turbulence	Meneveau	X			In Person & Virtual Live (First offered Fall 2019 and will be Offered Every Other Year)
EN.535.627	Computer-Aided Design	Boyle	X	X	X	Online only
EN.535.628	Computer-Integrated Design and Manufacturing	Ivester		X		Online only
EN.535.629	Energy Engineering					Discontinued
EN.535.630	Kinematics and Dynamics of Robots	Armand	X			Online only
EN.535.631	Introduction to Finite Element Methods					Discontinued
EN.535.632	Applied Finite Elements	Boyle	X	X	X	Online only
EN.535.633	Intermediate Heat Transfer	Sorensen		X		Online only
EN.535.634	Applied Heat Transfer	Kedzierski			X	Online only
EN.535.635	Introuction to Mechatronics	Wolfe		X		In person only
EN.535.641	Mathematical Methods for Engineers	Nakos	X	X	X	Online only
EN.535.642	Control Systems for Mechanical Engineering Applications	Urban	X			Online only
EN.535.645	Digital Control and Systems Applications	Urban			X	Online only
EN.535.650	Combustion					Discontinued
EN.535.652	Thermal Systems Design and Analysis	Healy	X			Online only
EN.535.654	Theory and Applications of Structural Analysis					Discontinued
EN.535.659	Manufacturing Systems Analysis	Ivester	X			Online only
EN.535.660	Precision Mechanical Design	Fesperman	X			Online only
EN.535.661	Biofluid mechanics	Seo				Under Development - preliminary planned for Fall 2020
EN.535.662	Energy and the Environment	Healy				Under Development - preliminary planned for Summer 2020
EN.535.672	Advanced Manufacturing Systems	Ivester			X	Online only
EN.535.673	Mechanized Assembly: Hardware and Algorithms	Staff			X	Online only
EN.535.675	Thermal Sciences for the Built Environment					Discontinued
EN.535.684	Modern Polymeric Materials	Xia		X		Online only
EN.535.691	Mechanics of Molecules and Cells					Discontinued
EN.535.6XX	Biosolid Mechanics	Nguyen				Under Development - preliminary planned for Fall 2020

EN.535.6XX	Fundamental principles for bio-microfluidic systems	Hur				Under Development - preliminary planned for Fall 2020
EN.535.711	Symmetries of Crystalline Solids					Discontinued
EN.535.712	Applied Fluid Dynamics					Discontinued
EN.535.720	Analysis and Design of Composite Structures					Discontinued
EN.535.724	Dynamics of Robots and Spacecraft					Discontinued
EN.535.726	Robot Control	Armand				Course is yet to be developed online
EN.535.727	Advanced Machine Design	Fesperman				Course tis yet to be developed online
EN.535.731	Engineering Materials: Properties and Selection	Lennon	X	X		Online only
EN.535.736	Applied Computational Fluid Mechanics					Discontinued
EN.535.732	Fatigue and Fracture of Materials	Pilchak				Under Development - preliminary planned for Summer 2020
EN.535.737	Multiscale Modeling and Simulation of Mechanical Systems	Thomas			X	Online only
EN.535.741	Optimal Control and Reinforcement Learning	Urban		X		Online only
EN.535.748	Stress Waves, Impacts and Shockwaves	Ramesh		X		In Person & Virtual Live (First offered Spring 2020 and will be Offered Every Other Year)
EN.535.782	Haptic Applications	Zadeh			X	Online only
EN.535.7XX	Computational Fluid Dynamics	Hussein				Under Development - preliminary planned for Fall 2020
EN.535.7XX	Applied Machine Learning for Mechanical Engineers	Rafiei				Under Development - preliminary planned for Fall 2020