Course Planning Guide - DAYTON CAMPUS

AA = As Arranged D = Day (starts before 4:00pm) E = Evening (starts at or after 4:00pm) W = Web Only

Lvl	Course Number	Course Title	Fall 2020	Spring 2021	Summer 2021	Fall 2021	Spring 2022	Summer 2022	Fall 2022	Spring 2023
GR	EGR 7040	Design Optimization	E			D			E	
GR	ME 6010	Comp Meth for Mech Engr	D			E			D	
GR	ME 6080	Design Optimization								
GR	ME 6120	Finite Element Analysis	E			D			E	
GR	ME 6120L	Finite Element Analysis Lab	E			D			E	
GR	ME 6121	Industrial Controls	E			E			E	
GR	ME 6121L	Industrial Controls Lab	E			E			E	
GR	ME 6140	Mechanical Design I	E	D		E	D		E	D
GR	ME 6150	Mechanical Design II	E			D			E	
GR	ME 6180	Additive Manufacturing								
GR	ME 6210	Mechanical Vibration	E			D			E	
GR	ME 6210L	Mechanical Vibration Lab	E			D			E	
GR	ME 6220	Mech Sys Model & Design								
GR	ME 6240	Vehicle Engineering				D				
GR	ME 6250	Kinematics & Design-Mech								
GR	ME 6260	Intro Robotics	E			D			E	
GR	ME 6260L	Intro Robotics Lab	DE			DE			DE	
GR	ME 6330	Compressible Fluid Flow	D			E			D	
GR	ME 6340	Comp Fluid Dynamics		D						E
GR	ME 6350	Mechanics Viscous Fluids								
GR	ME 6360	Prn Intrl Combust Engine								
GR	ME 6430	Aeronautics					D			
GR	ME 6440	Aerospace Propulsion		D						D
GR	ME 6490	Aerospace Structures								
GR	ME 6520	Hydropower								
GR	ME 6530	Energy Conversion		D						D
GR	ME 6540	Solar Thermal Engr.								
GR	ME 6550	Geothermal Energy				E				
GR	ME 6560	Wind Power								
GR	ME 6570	Energy Materials	E			D			E	
GR	ME 6580	Fuel Cell Sci and Tech		D						D
GR	ME 6590	Adv. Clean Coal Tech.								
GR	ME 6700	Struc & Prop of Mat. II		E		D			E	
GR	ME 6720	Engineering Polymers	E			D			E	
GR	ME 6730	Engineering Ceramics	D			E			D	
GR	ME 6740	Material Selection & Failure Analysis		D			E			D
GR	ME 6750	Matrls Characterization		E			D			E
GR	ME 6770	Mech Behavior of Metals	D			E			D	
GR	ME 6820	Corrosion	D						D	
GR	ME 6830	Comp Materials Science								
GR	ME 6840	Mat Sel for Mech Design								
GR	ME 6850	Nano-scale Science & Egr								

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GR	ME 6860	Metal Forming		D			E			D
GR	ME 6880	Powder Process Materials								
GR	ME 7060	Structural Reliability					D			
GR	ME 7080	Multidisc Strctrl Optm		D						E
GR	ME 7100	Adv Mechanics of Solids	D			E			D	
GR	ME 7120	Finite Elem Method Appl					E			
GR	ME 7140	Nonlin Finite Elmt Anal								
GR	ME 7160	Nonlinear Dynamics & Vib								
GR	ME 7210	Comp Mthds Strctrl Dynam		D						E
GR	ME 7250	Advanced Dynamics								
GR	ME 7300	Advanced Fluid Dynamics	E			D			E	
GR	ME 7330	Convective Heat & Mass								
GR	ME 7340	Adv Computatnl Fluid Dyn					D			
GR	ME 7350	Radiation Heat Transfer								
GR	ME 7360	Cardiovascular Biofluid Mechanics								
GR	ME 7390	Fund of Plasma Sci								
GR	ME 7400	Hypersonic Flows								
GR	ME 7500	Advanced Thermodynamics		D			E			D
GR	ME 7520	Hydrogen Energy	E							
GR	ME 7550	Photovoltaics				D				
GR	ME 7690	Vibe Test & Hlth Mon								
GR	ME 7720	Engineering Polymers II		D						E
GR	ME 7730	Advanced Physical Properties								
GR	ME 7740	Quantitative Microscopy								
GR	ME 7750	Advanced Engineering Materials				D				
GR	ME 7760	Transformation of Solids	D			E			D	
GR	ME 7780	Ceramics-Advanced Appl					D			
GR	ME 7980	Special Topics in ME								