

Course No.	Course Title	M	2017			2018			2019			2020			21	21	22
			S	SS	F	S	SS	F	S	SS	F	S	SS	F	S	F	S
	Core Courses – Offered on EDGE																
EML 5104	Classical Thermodynamics	2	◆			◆		◆			◆			◆		◆	
EML 6154	Conduction Heat Transfer	2			◆			◆			◆			◆		◆	
EML 6155	Convective Heat Transfer	2	◆			◆		◆			◆			◆		◆	
EGM 6812	Fluid Mechanics	2			◆			◆			◆			◆		◆	
EGM 6813	Fluid Mechanics 2	2	◆			◆		◆			◆			◆		◆	
EAS 6138	Gas Dynamics	2	◆			◆		◆			◆			◆		◆	
	Elective Courses																
EML 5131	Combustion	2	●		●			●			●			●		●	
EML 5224	Acoustics	4						●						●			
EML 5465	Energy Management for Mechanical	4						◆						◆			
EML 5515	Gas Turbines and Jet Engines	4				●					●						
EML 5516	Design of Thermal Systems	4			◆						◆					◆	
EML 5605	Advanced Refrigeration (+UG)	4						◆						◆			
EML 5714	Introduction to Compressible Flow (+UG)	2			◆	◆		◆			◆			◆		◆	
EML 5938	Rocket Propulsion	4						●						●			
EML 6606	Advanced Air Conditioning	4			◆						◆					◆	
EML 6156	Multiphase Convective Heat Transfer	4			●											●	
EML 6157	Radiation Heat Transfer	4			●						●					●	
EML 6417	Solar Energy Utilization (+UG)	3						◆			◆					◆	
EML 6451	Energy Conversion	2	◆			◆		◆			◆			◆		◆	
EGM 7845	Turbulent Fluid Flow	4			●						●					●	
EAS 6939	Special Topics: Adv. Aerodynamics	4															
EGM 5121C	Data Measurement and Analysis	3				◆					◆					◆	
EGM 6855	Bio-Fluid Mech. and Bio-Heat Transfer	4	●			●					●					●	
EGM 6934	Multiphase Flow (of dispersed system)	4						●						●			
EGM 6934	Sources of Vorticity																
EGM 6934	Hydrodynamic Stability																
BME 5580	Microfluidics and BioMEMS	3	◆					◆			◆					◆	
	Computational Courses																
EGM 6341	Num. Methods of Eng. Analysis I	2	◆			◆		◆			◆			◆		◆	
EGM 6342	Computational Fluid Dynamics	4			◆						◆					◆	
EGM 7819	Advanced Topics in CFD	4						●						●			
	Total Courses Offered		10		10	10		12									

M-Denotes number of semesters between course offering

◆-Denotes core course also offered on EDGE