

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