

Elective Grouping

YES: CAN OPT; NO: CANNOT OPT CORE: COMPULSORY

Group	Course code	Course title	Instructor	L-T-P-C	6 th	8 th	AP	CM	FT	MD	MSE	OPEN
G1	ME 688	Advanced machining processes	RKM	3-0-0-6	YES	YES	NO	NO	NO	NO	YES	NO
	ME 541	Continuum Mechanics	AN	3-0-0-6	YES	YES	NO	CORE	YES	YES	NO	NO
	ME 552	Aircraft Propulsion	UKS	3-0-0-6	NO	NO	CORE	NO	YES	NO	NO	NO
G2	ME 513	Physics of Deformation Processes	RGN	3-0-0-6	YES	YES	NO	NO	NO	YES	CORE	NO
	ME657	Two Phase Flow and Heat Transfer	MP	3-0-0-6	YES	YES	YES	NO	YES	NO	NO	NO
	ME 542	Numerical Analysis	DS	2-0-2-6	NO	NO	YES	CORE	YES	YES	NO	NO
G3	ME 619	Fundamentals of Microfluidics	AMD	3-0-0-6	NO	NO	YES	YES	YES	NO	NO	NO
	ME 511	Engineering Materials and Characterization	SUP	3-0-0-6	NO	NO	NO	NO	NO	YES	CORE	NO
	ME 607	Introduction to Composite Materials	DC	3-0-0-6	NO	YES	NO	YES	NO	YES	NO	NO
G4	ME 683	Computational Gas Dynamics	TKM	3-0-0-6	NO	YES	YES	YES	YES	NO	NO	NO
	ME 615	Rotor Dynamics	RT	3-0-0-6	NO	YES	NO	YES	NO	YES	NO	NO
	ME 670	Advanced Computational Fluid Dynamics	GM	3-0-0-6	NO	NO	YES	YES	YES	NO	NO	NO

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G5	ME 554	Rocket Propulsion	VK	3-0-0-6	NO	NO	CORE	YES	NO	NO	NO	NO
	ME 605	Fracture, Fatigue and Failure Analysis	KSRKM	3-0-0-6	NO	NO	NO	YES	NO	YES	YES	NO
	ME 522	Convective Heat Transfer	AD	3-0-0-6	NO	YES	NO	YES	CORE	NO	NO	NO
G6	ME 553	Gas Dynamics	BK	3-0-0-6	NO	NO	CORE	NO	YES	NO	NO	NO
	ME 612	Nuclear Energy: Concepts and Applications	DNB	3-0-0-6	NO	YES	NO	YES	YES	NO	NO	NO
G7	ME696	Biomedical Devices and Systems	SK	3-0-0-6	NO	YES	YES	YES	YES	YES	YES	YES
G8	ME 682	Nonlinear Finite Element Methods	SSG	3-0-0-6	NO	YES	YES	YES	YES	YES	YES	YES

Requirement and Availability

Stream	Required No. Of Electives	Available No. Of Groups	Available No. of Electives
B.Tech 6 th	1	2	4
B.Tech 8 th	1	6	9
MD	5	7	9
FT	4	7	11
MSE	2	4	4
CM	3	6	11
AP	2	5	7