

MME Course preference - July-Nov 2020

Slot	Course No.	Course Name	Batch	Instructor Name	Credits	Class room (NAC)
A	MM3010	Physics of Materials	V sem UG core	Prathap Haridoss	9	205
	MM3330	Non-metallic materials	VII sem core	T.S. Sampath Kumar	9	204
	MM5001	Composite Materials	PG Elective	M. Balasubramanian	9	124
B	MM5630	Plasticity and Plastic Deformation	PG Elective	S.S. Bhattacharya	9	134
	MM2013	Structure of Materials	III sem UG core	Subramanya Sarma	9	204
	MM3030	Materials Characterisation	V sem UG core	Sundaraman M	9	205
C	MM5050	Thermodynamics and Kinetics	I sem MTech core	K.C. Hari Kumar	9	124
	MM2010	Principles of Physical Metallurgy	III sem UG core	K G Pradeep	12	204
	MM2080	Principles of Extractive Metallurgy	V sem UG core	Ajay Kumar Shukla	12	205
D	MM5024	Numerical methods for Metallurgists	I sem MTech core	Sabita Sarkar	9	124
	MM2015	Thermodynamics of Materials	III sem UG core	G. Phanikumar	10	204
	MM5740	Welding Metallurgy	PG Elective	Murugaiyan A, Ravi Sankar Kottada	9	205
E	MM5330	Surface Degradation Processes	PG Elective	M. Kamaraj	9	124
	MM5040	Defects in Materials	PG Elective	Anand K Kanjarla	9	134
	MM3090	Environmental Degradation of Materials	V sem UG core	Parasuraman S	12	205
F	MM5160	Mechanical Behavior of materials	I sem MTech core	Ganesh Sundara Raman	9	204
	MM4010	P/M, Refractories, and Ceramics	UG Elective	Srinivasa Rao Bakshi	9	124
	MM2090	Introduction to Scientific Computing	UG Elective	G Phanikumar	12	205
G	MM5610	Metal Forming Processes	PG Elective	Uday Chakkingal	9	204
	MM5021	Deformation and Failure of Materials at Elevated Temperatures	PG Elective	Ravi Sankar Kottada	9	124
	MM5520	Solidification Phenomena	PG Elective	Manas Mukherjee	9	204
H	MM5010	Advanced Engineering Materials	PG Elective	V Sampath	9	205
	MM5130	Materials for Extreme Environments	PG Elective	Ravikumar N V	9	124
	MM5012	Welding Processes	PG Elective	Murugaiyan A	9	134
I	MM5003	Atomistic Modeling of Materials	PG Elective	Satyesh Kumar Yadav	9	204
	MT4110	Computational methods in Materials Engg.	UG Elective	Sreeram Kalpathy	9	205
	MM5013	Textures in Materials	PG Elective	Subramanya Sarma	9	124
J	MM6020	Fatigue of Materials	PG Elective	Ganesh Sundara Raman	9	134
	MM5104	Aluminium Alloys and their Composites	PG Elective	Ranjit Bauri	9	124
	MM5440	Hot Rolling and Cold Rolling Technology	PG Elective	T Venugopalan	9	134
K	ID6106	Materials for Energy Storage and Conversion	PG Elective	Tiju Thomas	9	205
	MM5007	Production of Special Steels	PG Elective	T Venugopalan	9	134
	MM5290	Stability of microstructures	PG Elective	Sankaran S	9	204
L	MM6023	Advanced Transmission Electron Microscopy	PG Elective	Somnath Bhattacharya	9	124
	MM6035	Practical Atom Probe Tomography (Lab)	PG Elective	K G Pradeep	9	HSB
	MM2090	Introduction to Scientific Computing (lab slot)	UG Elective	G Phanikumar	5	205
M	MM3012	Joining and NDT lab	UG Elective	Ranjit Bauri, Murugaiyan A	5	MJL/MPS
	MM3110	Computational Materials Engineering Lab	DD core	Anand Kanjarla, Parasuraman S, and Satyesh Yadav	5	NAC 204
	MM5028	Advanced Materials Characterization Lab	I sem MTech core	Subramanya Sarma, KG Pradeep, NV Ravikumar, and Sankaran	3	NAC/HSB/MSB
N	ID6103	Practical Transmission Electron Microscopy	PG Elective	Sankaran S	9	124
	MM5090, MM5091	M. Tech Project	M.Tech core	Ravi Sankar Kottada & Uday Chakkingal	60	NAC
	MM5090, MM5091	DD Project	IX sem DD core	Sabit Sarkar & Uday Chakkingal	60	NAC
O	MM4110	B. Tech Project phase I	VII sem BTEch core	Sreeram Kalpathy & Uday Chakkingal	9	NAC
	MM3014	Undergraduate Research in Materials - 1	UG Elective	G Phanikumar	5	NAC
	MM4030	Undergraduate Research in Materials - 2	UG Elective	G Phanikumar	10	NAC
P	MM7999	Special Topics in Metallurgical and Materials Engineering	Res. Scholar Core (Direct PhD)	Uday Chakkingal	9	NAC
	MM6999	Special Topics in Metallurgical and Materials Engineering	Res. Scholar Core (Direct PhD)	Uday Chakkingal	9	NAC
	MM6021	Introduction to Research	Res. Scholar Core	Tiju Thomas & Somnath Bhattacharya	6	124