

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
A' Semester								
1.	compulsory	Engineering Mathematics I	MAS025	4	1 hr	13	52	5
2.	compulsory	Elements of Linear Algebra	MAS029	4	1 hr	13	52	5
3.	compulsory	General Advanced English	LAN100	3	1 hr	13	39	5
4.	compulsory	Experimental and Statistical Analysis	MME105	3	1 hr	13	52	5
5.	compulsory	Introduction to Engineering	MME106	4	1 hr	13	52	5
6.	compulsory	Computer Aided Drafting	MME145	4	1 hr	13	52	5
B' Semester								
7.	compulsory	Engineering Mathematics II	MAS026	4	1 hr	14	56	5
8.	compulsory	English for Technical Purposes	LAN104	3	1 hr	14	42	5
9.	compulsory	Introduction to Electromagnetism	MME107	4	1 hr	14	56	5
10.	compulsory	Material Science and Engineering I	MME155	4	1 hr	14	56	5
11.	compulsory	Statics	MME125	4	1 hr	14	56	5
12.	compulsory	Chemistry for Engineers	MME156	4	1 hr	14	56	5
C' Semester								
1.	compulsory	Engineering Mathematics III	MAS027	4	1 hr	13	52	5

2.	compulsory	Thermodynamics I	MME215	4	1 hr	13	52	5
3.	compulsory	Dynamics	MME225	4	1 hr	13	52	5
4.	compulsory	Mechatronics I	MME226	4	1 hr	13	52	5
5.	compulsory	Materials Science and Engineering II	MME255	4	1 hr	13	52	5
6.	compulsory	Solid Mechanics	MME256	4	1 hr	13	52	5
D' Semester								
7.	compulsory	Programming and Numerical Methods	MME208	4	1 hr	14	56	5
8.	compulsory	Incompressible Fluid Mechanics I	MME216	4	1 hr	14	56	5
9.	compulsory	Heat Transfer	MME217	4	1 hr	14	56	5
10.	compulsory	Vibrations	MME227	4	1 hr	14	56	5
11.	compulsory	Mechatronics II	MME228	3	1 hr	14	42	5
12.	Compulsory	Strength of Materials	MMK257	4	1 hr	14	56	5
E' Semester								
13.	compulsory	Thermodynamics II	MME315	4	1 hr	13	52	6
14.	compulsory	Numerical Methods	MME307	4	1 hr	13	52	6
15.	compulsory	Modeling and Analysis of Dynamic Systems	MME325	4	1 hr	13	52	6
16.	compulsory	Machine Elements	MME345	4	1 hr	13	52	6
17.	compulsory	Design and Manufacturing	MME347	4	1 hr	13	52	6

F' Semester								
18.	compulsory	Incompressible Fluid Mechanics II	MME316	4	1 hr	14	56	6
19.	compulsory	Thermal Engines	MME318	4	1 hr	14	56	6
20.	compulsory	Control Engineering	MME327	4	1 hr	14	56	6
21.	compulsory	Mechanical Design	MME346	4	1 hr	14	56	6
22.	compulsory	Manufacturing Processes	MME348	4	1 hr	14	56	6
G' Semester								
23.	compulsory	Final Year Project I	MME405			13		7
24.	Technical Elective Courses	Technical Elective Course	MME4...	4	1 hr	13	52	6
25.	Technical Elective Courses	Technical Elective Course	MME4...	4	1 hr	13	52	6
26.	Technical Elective Courses	Technical Elective Course	MME4...	4	1 hr	13	52	6
27.	elective	Elective Course		3	1 hr	13	42	5
H' Semester								
28.	compulsory	MME406-Final Year Project II	MME406			14		8
29.	Technical Elective Courses	MME4... - Technical Elective Course	MME4...	4	1 hr	14	56	6

30.	Technical Elective Courses	MME4... - Technical Elective Course	MME4...	4	1 hr	14	56	6
31.	elective	Elective Course		3	1 hr	14	42	5
32.	elective	Elective Course		3	1 hr	14	42	5

Technical Elective Courses	ECTS
MME416- Refrigeration, Heating and Air-conditioning	6
MME417- Energy Systems	6
MME418- Compressible Flow	6
MME419- Modern Computational Tools For Engineers	6
MME420-Robotics	6
MME421- Advanced Dynamics and Applications	6
MME426- Vibrations Theory and Applications	6
MME436- Cell and Tissue Mechanics	6
MME442- Laser-based Manufacturing Applications	6
MME443- Advanced Metal Working Processes	6
MME451-Linear Static and Dynamic Finite Element Analysis of Solids	6
MME456- Properties of Polymers and Polymer Processing	6
MME457- Material Measurements and Testing	6
MME458- Materials for Energy and Environment	6
MME459- Science, technology and manufacturing of fiber materials	6

The Technical Elective Courses are not necessarily offered every semester.