

COURSE STRUCTURE

First Year M. Tech Mechanical (Design Engineering) - AUTUMN SEMESTER															
Course Code	Course Name	Course Type	Teaching Scheme (Hrs./Week)			Examination Scheme						Credits			
			L	P	ODL	CIE	ETE	TW	PR	OR	Total	L	P	ODL	Total
M24ME101	Advanced Stress Analysis	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24ME102	Advanced Mathematics for Engineers	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24ME103	Mechanical Behaviour of Materials	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24ME104	Program Elective – I	PEC	-	-	4	100	-	-	-	-	100	-	-	4	4
M24ME105	Program Core Lab - I	PCC	-	4	-	-	-	25	-	25	50	-	2	-	2
M24ME106	Program Elective Lab - I	PEC, Research based	-	4	-	-	-	25	-	25	50	-	2	-	2
Total			12	8	4	250	150	50	-	50	500	12	4	4	20

M24ME104: Program Elective – I			
A	Structural Analysis	B	Composite Structure
C	Mechanisms and Machine Design	D	Advanced Engineering Materials

Abbreviations:

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|---------------------------|---------------------|------------------------------------|
| L- Lecture | P- Practical | CIE-Continuous Internal Evaluation |
| ETE- End Term Examination | TW- Term work | PR- Practical |
| L : 1 Hr.= 1 credit | P: 2 Hr. = 1 Credit | T: 1 Hr. = 1 Credit |
| | | OR- Oral |
| | | ODL - Open Distance Learning |

First Year M. Tech Mechanical (Design Engineering) – SPRING SEMESTER															
Course Code	Course Name	Course Type	Teaching Scheme (Hrs./Week)			Examination Scheme						Credits			
			L	P	ODL	CIE	ETE	TW	PR	OR	Total	L	P	ODL	Total
M24ME201	Finite Element Method in Design Engineering	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24ME202	Optimization Techniques in Design	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24ME203	Mechanical Vibrations and Acoustics	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24ME204	Program Elective – II	PEC	-	-	4	100	-	-	-	-	100	-	-	4	4
M24ME205	Program Core Lab - II	PCC	-	4	-	-	-	25	-	25	50	-	2	-	2
M24ME206	Program Elective - II	PEC, Research based	-	4	-	-	-	25	-	25	50	-	2	-	2
Total			12	8	4	250	150	50	-	50	500	12	4	4	20

M24ME204: Program Elective -II			
A	Product Design	B	Tribology
C	Condition Based Monitoring	D	Acoustics and Noise Control

Abbreviations:

L- Lecture

ETE- End Term Examination

L : 1 Hr.= 1 credit

P- Practical

TW- Term work

P: 2 Hr. = 1 Credit

CIE-Continuous Internal Evaluation

PR- Practical

T: 1 Hr. = 1 Credit

OR- Oral

ODL - Open Distance Learning