



ANNA UNIVERSITY
Chennai-25.
Curriculum

October 10, 2003

Degree Name M.E.(Part Time) **Specialization** Engineering Design

Regulations 2002

Semester No. 1

Theory

Course Code	Course Title	L	T	P	M
MA148	Applied Mathematics for Mechanical Engineers	3	1	0	100
ED132	Computer Applications in Design	3	0	2	100
ED131	Concepts of Engineering Design	3	0	0	100

Total 300

Semester No. 2

Theory

Course Code	Course Title	L	T	P	M
ED141	Advanced Mechanisms Design	3	1	0	100
ED142	Computer Integrated Design	3	0	0	100
ED143	Design for Manufacture	3	0	0	100

Practical

Course Code	Course Title	L	T	P	M
ED145	Seminar	0	0	3	100

Total 400

Semester No. 3

Theory

Course Code	Course Title	L	T	P	M
E1---	Elective I	3	0	0	100
ED134	Finite Element Analysis	3	0	0	100
ED133	Mechanical Vibrations	3	0	2	100

Total 300

Semester No. 4

Theory

Course Code	Course Title	L	T	P	M
ED041	Advanced Machine Tool Design	3	0	0	100
E2---	Elective II	3	0	0	100
E3---	Elective III	3	0	0	100

Total 300

Semester No. 5

Theory

Course Code	Course Title	L	T	P	M
E4---	Elective IV	3	0	0	100
E5---	Elective V	3	0	0	100
E6---	Elective VI	3	0	0	100

Practical

Course Code	Course Title	L	T	P	M
ED232	Project Work - Phase I	0	0	12	200

Total 500**Semester No. 6**

Practical

Course Code	Course Title	L	T	P	M
ED233	Project Work - Phase II	0	0	24	400

Total 400**TOTAL MARKS : 2200****List of Electives**

Course Code	Course Title	L	T	P	M
ED031	Tribology in Design	3	0	0	100
ED032	Design of Hydraulic and Pneumatic Systems	3	0	0	100
ED033	Composite Materials and Mechanics	3	0	0	100
ED034	Advanced Finite Element Analysis	3	0	0	100
ED035	Applied Engineering Acoustics	3	0	0	100
ED036	Optimization in Mechanical Engineering	3	0	0	100
ED037	Mechanics of Fracture	3	0	0	100
ED038	Vibration Control and Condition Monitoring	3	0	0	100
ED039	Design of Pressure Vessel and Piping	3	0	0	100
ED040	Industrial Robotics and Expert Systems	3	0	0	100
ED099	Special Elective	3	0	0	100
EY043	Design of Heat Exchangers	3	0	0	100
ID035	Productivity Management and Re-Engineering	3	0	0	100
ID036	Total Quality Management	3	0	0	100
ID042	Applied Object Oriented Programming	3	0	0	100
PE036	Mechatronics in Manufacturing Systems	3	0	0	100

Course Code	Course Title	L	T	P	M
PE132	Applied Materials Engineering	3	0	0	100
ED043	Product Design and Development Strategies	3	0	0	100
ED044	Advanced Strength of Materials	3	0	0	100
ED045	Design of Material Handling Equipments	3	0	0	100
ED046	Experimental Stress Analysis	3	0	0	100
ED047	Rapid Prototyping	3	0	0	100