

U.P. TECHNICAL UNIVERSITY, LUCKNOW
STUDY & EVALUATION SCHEME
B. Tech. Mechanical Engineering and Industrial & Production Engineering
(Effective from the session – 2006-07)

YEAR III

SEMESTER-V

S. No.	Course Code	SUBJECT	PERIODS			Evaluation Scheme				Subject Total
						SESSIONAL EXAM.			ESE	
			L	T	P	CT	TA	Total		
THEORY										
1.	THU-501	Industrial Economics & Principles of Management	3	1	0	30	20	50	100	150
2.	TME-502	Machine Design-I	3	1	0	30	20	50	100	150
3.	TME-503	Dynamics of Machine	3	1	0	30	20	50	100	150
4.	TME-504	Manufacturing Science-II	3	1	0	30	20	50	100	150
5.	TME-505	Heat & Mass Transfer	3	1	0	30	20	50	100	150
PRACTICAL/TRAINING/PROJECT										
6.	TME-552	Machine Design-I Lab	0	0	2	10	10	20	30	50
7.	TME 553	Dynamics of Machine Lab	0	0	2	10	10	20	30	50
8.	TME 554	Manufacturing Science-II Lab	0	0	3	10	10	20	30	50
9.	TME 555	Heat & Mass Transfer Lab	0	0	3	10	10	20	30	50
10.	GP 501	General Proficiency	-	-	-	-	-	50	-	50
		Total	15	5	10	-	-	-	-	1000

YEAR III

SEMESTER-VI

S. No.	Course Code	SUBJECT	PERIODS			Evaluation Scheme				Subject Total
						SESSIONAL EXAM.			ESE	
			L	T	P	CT	TA	Total		
THEORY										
1.	TME-601	Operations Research	3	1	0	30	20	50	100	150
2.	TME-602	* I. C. Engines	3	1	0	30	20	50	100	150
3.	TME-603	Machine Design-II	3	1	0	30	20	50	100	150
4.	TME-604	Fluid Machinery	3	1	0	30	20	50	100	150
5.	TME-606	*Refrigeration & Air-conditioning	3	1	0	30	20	50	100	150
PRACTICAL/TRAINING/PROJECT										
6.	TME-653	Machine Design-II Lab	0	0	2	10	10	20	30	50
7.	TME-654	Fluid Machinery Lab	0	0	3	10	10	20	30	50
8.	TME-656	*Refrigeration & Air-conditioning Lab	0	0	2	10	10	20	30	50
9.	TME-657	Seminar	0	0	3	-	50	50	-	50
10.	GP-601	General Proficiency	-	-	-	-	-	50	-	50
		Total	15	5	10	-	-	-	-	1000

- Note-1. 4 to 6 Weeks Practical Summer Training-2 after VI semester, to be evaluated in VII semester
2. For Industrial & Production Engineering : I.C.Engine is replaced with TPI-601 Production Planning & Control, Refrigeration & Air-conditioning is replaced by TPI-603 Principles of Machine Tool Design and the Lab is replaced by TPI-653 Machine Tool Design Lab.

U.P. TECHNICAL UNIVERSITY, LUCKNOW
STUDY & EVALUATION SCHEME
B. Tech. Mechanical Engineering and Industrial & Production Engineering
(Effective from the session – 2007-08)

YEAR IV

SEMESTER-VII

S. No.	Course Code	SUBJECT	PERIODS			Evaluation Scheme				Subject Total
			L	T	P	SESSIONAL EXAM.			ESE	
						CT	TA	Total		
THEORY										
1.	TME-701	Computer Aided Design (CAD)	3	1	0	30	20	50	100	150
2.	TME-702	Computer Aided Manufacturing (CAM)	3	1	0	30	20	50	100	150
3.	TME-703	Automobile Engineering	3	1	0	30	20	50	100	150
4.		Open Elective-I	3	1	0	30	20	50	100	150
5.		Elective-I	3	1	0	30	20	50	100	150
PRACTICAL/TRAINING/PROJECT										
6.	TME-751	CAD/CAM Lab	0	0	2	10	10	20	30	50
7.	TME 753	Automobile Engg Lab	0	0	2	10	10	20	30	50
8.	TME 754	Industrial/Practical Training (1&2) Report Presentation	0	0	3	-	50	50	-	50
9.	TME 755	Project*	0	0	3	-	50	50	-	50
10.	GP 701	General Proficiency	-	-	-	-	-	50	-	50
		Total	15	5	10	-	-	-	-	1000

Note: (1) Practical Training-1 / In house training & Industrial tour/ mini project to be done in summer after 4th semester and the practical training-2 to be done in summer after 6th semester, Evaluation however to be made in 7th semester through report & viva etc.

(2) * Project should be initiated in 7th semester beginning.

YEAR IV

SEMESTER-VIII

S. No.	Course Code	SUBJECT	PERIODS			Evaluation Scheme				Subject Total
			L	T	P	SESSIONAL EXAM.			ESE	
						CT	TA	Total		
THEORY										
1.	TME-801	Power Plant Engineering*	3	1	0	30	20	50	100	150
2.	TME-802	Mechanical System Design	3	1	0	30	20	50	100	150
3.	TME-803	Project Management	3	1	0	30	20	50	100	150
4.		Elective-II	3	1	0	30	20	50	100	150
5.		Elective-III	3	1	0	30	20	50	100	150
PRACTICAL/TRAINING/PROJECT										
6.	TME-856	Project**	0	0	12	-	50	50	150	200
7.	GP-801	General Proficiency	-	-	-	-	-	50	-	50
		Total	15	5	12	-	-	-	-	1000

1. * For Industrial & Production Engineering Power Plant Engg. is replaced with TPI801 Quality Control.

2. ** Project should be completed by the end of 8th semester with good report and presentation

3. Out of 12 project-periods 3 period per week should be allotted for a group and 9 periods per weeks should be allotted for the self study, lab and project work.