

## Production Engineering

### BE 2<sup>nd</sup> Year First Semester

S. No.	Course Code	Course Name	L	T	P	Total	Credits
1	CH -201/ CH-201H	Chemistry I	4	0	0	4	4
2	ENN-201	Solid Mechanics	4	0	0	4	4
3	PE-201 / PE-201H	Manufacturing Process-I	4	0	0	4	4
4	PE-202 / PE-202 H	Kinematics & Dynamic of Machines	4	0	0	4	4
5	PE-203/ PE- 203H	Industrial Metrology	4	0	0	4	4
6	CH-202	Chemistry Lab	0	0	3	3	2
7	ENN -202	Fluid Mechanics	4	0	0	4	4
		Total	24	0	3	27	26

### BE 2<sup>nd</sup> Year Second Semester

S. No.	Course Code	Course Name	L	T	P	Total	Credits
1	MA-201/ MA-201H	Mathematics III	4	0	0	4	4
2	PY-201/ PY201H	Physics II	4	0	0	4	4
3	PE-204 or PE-204 H	Manufacturing Process-II	4	0	0	4	4
6	PE-205	Machine Drawing	4	0	0	4	4
5	PE-206 or PE-206 H	Manufacturing Process-III	4	0	0	4	4
4	PE-207 or PE-207 H	Design of Machine Elements	4	0	0	4	4
7	PY-202	Physics Lab.	0	0	3	3	2
8	PE-208	Departmental Lab I	0	0	3	3	2
		Total:	24	0	06	30	28

BE 3<sup>rd</sup> Year First Semester

S. No.	Course Code	Course Name	L	T	P	Total	Credits
1	HU-301/ HU-301H or HU-302/ HU-302H	Humanities II	3	0	0	3	3
2	ME-203	Thermal-I*	4	0	0	4	4
3	PE-301	Tool Design	4	0	0	4	4
4	PE-302 or PE-302H	Industrial Engineering-I	4	0	0	4	4
5	PE-303 or PE 303H	Computer Integrated Design and Manufacturing	4	0	0	4	4
6	PE-304 or PE304 H	CNC Machines & Programming	4	0	0	4	4
7	PE-305	Departmental Lab II	0	0	3	3	2
8	PE-306	Departmental lab III	0	0	3	3	2
		Total:	23	0	06	29	27

\* This subject will be offered by Mech. Engg. Dept. as discussed in meeting with Chairman CDMC

BE 3<sup>rd</sup> Year Second Semester

S. No.	Course Code	Course Name	L	T	P	Total	Credits
1	PE-397	Industrial Training	--	--	--	--	24
		Total:	--	--	--	--	24

BE 4<sup>th</sup> Year First Semester

S. No.	Course Code	Course Name	L	T	P	Total	Credits
1		Open Elect	4	0	0	4	4
2		Elect I	4	0	0	4	4
3	PE-401/ PE-401 H	Operations Research	4	0	0	4	4
4	PE-402	Industrial Engineering-II	4	0	0	4	4
5	PE-403	Departmental Lab IV	0	0	3	3	2
6	PE-404	Departmental Lab V	0	0	3	3	2
7	PE 400	Capstone Project I	0	0	8	8	4
		Total:	16	0	14	30	24

**BE 4<sup>th</sup> Year Second Semester**

S. No.	Course Code	Course Name	L	T	P	Total	Credits
1		Elect II	4	0	0	4	4
2	HU-404/ HU-404H or HU-402/ HU-402H	HU III	4	0	0	4	4
3	PE-405 / PE-405 H	Machine Tool Design	4	0	0	4	4
4	PE-406/ PE-406 H	Designing for Automation	4	0	0	4	4
5	PE-407	Departmental Lab VI	0	0	3	3	2
6	PE-408	Departmental Lab VII	0	0	3	3	2
7	PE- 409	Cap Project II	0	0	8	8	4
		Total:	16	0	14	30	24

**Elective I, Elective II**

1	PE 410	Theory of Metal cutting	4	0	0	4	4
2	PE 411	Materials Management	4	0	0	4	4
3	PE 412	Robotics	4	0	0	4	4
4	PE 413	Productivity Engineering & Management	4	0	0	4	4
5	PE 414	Management Information Systems	4	0	0	4	4
6	PE 415	Flexible Manufacturing Systems	4	0	0	4	4
7	PE 416	Plastic Product Design & Manufacturing	4	0	0	4	4
8	PE 417	Product Design and Development	4	0	0	4	4
9	PE 418	Production & Operations Management	4	0	0	4	4
10	PE 419	Modern Manufacturing Processes	4	0	0	4	4
11	PE 420	Technology Management	4	0	0	4	4
12	PE 421	Total Quality Management	4	0	0	4	4

### Open Electives

1	PE 425	Finite Elements Methods	4	0	0	4	4
2	PE 426	Value Engineering	4	0	0	4	4
3	PE 427	Welding Technology	4	0	0	4	4
4	PE 420	Technology Management	4	0	0	4	4
5	PE 421	Total Quality Management	4	0	0	4	4

