

VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

TEACHING AND EXAMINATION SCHEME FOR MASTER OF TECHNOLOGY (PRODUCTION ENGINEERING)

I SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours			Credit
			Lecture	Tutorial	Practical	
1	MTH 101	RESEARCH METHODOLOGY	3	0	0	3
2	MPE 102	ADVANCE MANUFACTURING PROCESS	3	0	0	3
3	MPE 103	COMPUTER INTEGRATED MANUFACTURING SYSTEM	3	1	0	3.5
4	MTH 104	ADVANCE NUMERICAL METHODS AND ANALYSIS	3	1	0	3.5
5		ELECTIVE –I	3	0	0	3
6	MPE 109	ADVANCED PRODUCTION LAB	0	0	4	2
7	MPE 110	COMPUTER INTEGRATED MANUFACTURING LAB	0	0	4	2
Total			15	2	8	20

ELECTIVE –I

1. MPE 105 : THEORY OF METAL FORMING
2. MPE 106 : MECHATRONICS
3. MPE 107 : ADVANCE WELDING TECHNOLOGY
4. MPE 108 : SIMULATION AND MODELING

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II SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours			Credit
			Lecture	Tutorial	Practical	
1	MPE 201	THEORY OF METAL CUTTING	3	1	0	3.5
2	MPE 202	ADVANCED OPERATION RESEARCH	3	1	0	3.5
3	MPE 203	DESIGN AND MANUFACTURE OF MEMS & MICRO SYSTEMS	3	0	0	3
4	MPE 204	METROLOGY AND COMPUTER AIDED INSPECTION	3	0	0	3
5		ELECTIVE –II	3	0	0	3
6	MPE 209	COMPUTER AIDED ENGINEERING LAB	0	0	4	2
7	MPE 210	METAL CUTTING LAB	0	0	4	2
Total			15	2.	8	20

ELECTIVE –II

1. MPE 205 : NANOTECHNOLOGY
2. MPE 206 : DESIGN OF EXPERIMENTS
3. MPE 207 : RAPID PROTOTYPING
4. MPE 208 : MACHINE TOOL DESIGN

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III SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours			Credit
			Lecture	Tutorial	Practical	
1	MPE 301	SEMINAR	-	-	-	2
2	MPE 302	Dissertation Part- I	-	-	-	8
3	MPE 303	Library (<i>Review of Literature for Research</i>)	-	-	-	4
Total						14

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IV SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours			Credit
			Lecture	Tutorial	Practical	
1	MPE 401	DISSERTATION PART- II	-	-	-	16
Total						16