

Semester No.	Sr. No.	Course Code	Course Title	Credit Hours
1	1	MTH 104	Pakistan Studies	2(2+0)
	2	EL 106	Electrical Engineering	3(2+1)
	3	MTH 101	Applied Calculus & Linear Algebra	3(3+0)
	4	IME 101	Engineering Mechanics	4(3+1)
	5	ME 108	Workshop Practice	2(0+2)
	6	MTH 106	Functional English	3(3+0)
			<b>Total Credit Hours</b>	<b>17(13-4)</b>
2	1	MTH 105	Islamic Studies	2(2+0)
	2	MTH 211	Differential Equations	3(3+0)
	3	CS 203	Computer System & Programming	3(2+1)
	4	MTH 107	Communication Skills	3(2+1)
	5	ME 205	Engineering Drawing & Graphics	3(2+1)
	6	ME 106	Engineering Materials	3(3+0)
			<b>Total Credit Hours</b>	<b>17(14-3)</b>
3	1	IME 205	Mechanics of Machines	3(2+1)
	2	IME 202	Manufacturing Processes	3(2+1)
	3	MTH 301	Statistics & Probability	3(3+0)
	4	IME 203	Mechanics of Materials	4(3+1)
	5	IME 204	Applied Thermodynamics	3(2+1)
			<b>Total Credit Hours</b>	<b>16(12-4)</b>
4	1	MTH 204	Numerical Analysis	3(3+0)
	2	HS304	Business Communication & Ethics	3(3+0)
	3	IME 206	Machine Design	4(3+1)
	4	IME 207	Computer Aided Engineering Design	3(2+1)
	5	IME 208	Fluid Mechanics	4(3+1)
			<b>Total Credit Hours</b>	<b>17(14-3)</b>

5	1	MTH209	Technical report writing & Presentation skills	2(2+0)
	2	IME 309	Design Experiment	3(3+0)
	3	IME 310	Quality Engineering	4(3+1)
	4	IME 311	Production system Design	4(3+1)
	5	IME 312	Production Planning and Control	3(3+0)
			<b>Total Credit Hours</b>	<b>16(14-2)</b>
6	1	IME 313	Operation Research	4(3+1)
	2	ME 315	Instrumentation and Control	3(2+1)
	3	IME 314	Modeling and Simulation	3(2+1)
	4	IME 315	Operations of Manufacturing system	4(3+1)
	5	IME 316	Method Engineering	3(2+1)
			<b>Total Credit Hours</b>	<b>17(12-5)</b>
7	1.	IME 417	Finite Element Analysis	4(3+1)
	2.	ME 408	Maintenance Engineering	2(2+0)
	3.	IME 418	Human Factors Engineering	3(2+1)
	4.	IME 419	Advanced Mathematical Techniques	3(3+0)
	5.	IME 420	FYP-I	3(0+3)
			<b>Total Credit Hours</b>	<b>15(10-5)</b>
8	1	IME 421	Entrepreneurship	3(3+0)
	2	ME 422	Computer Aided Manufacturing/	4(3+1)
	3	IME 423	Human Resources Management	3(3+0)
	4	IME 424	Plant Engineering	4(3+1)
	5	ME 425	FYP-II	3(0+3)
			<b>Total Credit Hours</b>	<b>17(12-5)</b>