



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
 (An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Department of Mechanical Engineering.(Session 2020-21)

Summary																												
SEM	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		PO10		PO11		PO12		PSO1		PSO2	
	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
2020-21	3	2.38	3	2.4	3	1.98	3	2.25	3	2.06	3	1.74	3	1.72	3	2.18	3	1.93	3	2.18	3	2.19	3	2.46	3	2.3	3	
	87.00%		79.33%		80.00%		66.00%		75.00%		68.67%		58.00%		57.33%		72.67%		64.33%		72.67%		73.00%		82.00%		76.67%	

Attainment Details																											
SEM	Course code and Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	CO AVG											
3	ME-2201 Material science and Metallurgy	CO1	1.6		2.4		1.6	2.4	0.8			0.8		0.8	1.2	1.45											
		CO2	1.2		1.8		1.2	1.8		0.6		0.6		0.6	1.2	0.6	1.07										
		CO3	1.2		1.8		1.2	1.8		0.6	0.6	0.6		0.6	1.2	0.6	1.02										
		CO4	0.8		1.2		0.8	1.2	0.4	0.4	0.8	0.6		0.4	0.8	0.4	0.71										
3	ME-2205 Mechanis of Material	CO1	3	2	3	2		1	1			3		3	3	2.40											
		CO2	2.1	1.4	2.1				0.7			2.1		2.1	2.1	1.84											
		CO3	2.7		2.7		1.8			1	1.8	2.7		2.7	1.8	2.7	2.21										
		CO4	3		3	2	2	1				3		3	2	3	2.44										
3	ME-2208Fluid Mechanics	CO1	2.3	2.3	1.53	0.77					2.3	2.3	2.3	2.3	2.3	2.04											
		CO2	1.9	1.9	1.27	0.63					1.9	1.9	1.9	1.9	1.9	1.69											
		CO3	2.3	2.3	1.53	0.77			0.77		2.3	1.53	2.3	2.3	2.3	2.3	1.85										
		CO4	1.9	1.9	1.27	0.63			0.63		1.9	1.27	1.9	1.9	1.9	1.9	1.53										
3	ME-2207 Kinematics of Machinery	CO1	2.4		1.6	1.6	2.4			0.8		1.6	1.6	2.4	2.4	1.92											
		CO2	2.3		1.53	1.53	2.3			0.77		1.53	1.53	2.3	2.3	1.84											
		CO3	2.2		1.47	1.47	2.2			0.73		1.47	1.47	2.2	2.2	1.76											
		CO4	2.2		1.47	1.47	2.2			0.73		1.47	1.47	2.2	2.2	1.76											
3	ME-2203Manufacturing Process-I	CO1	1.8		1.2			1.2				1.2	1.8	1.2	1.2	1.35											
		CO2	2.4		1.6							1.6	2.4	1.6	1.6	1.83											
		CO3	1.8		1.2							1.2	1.8	1.2	1.2	1.37											
		CO4	1.8		1.2							1.2	1.8	1.2	1.2	1.37											
4	ME-2256 Mechanical Measurement	CO1	3		3	1	3	3	2	1	1	1		1	3	3	2.08										
		CO2	3		3	1	3	3	2	1	1	1		1	3	3	2.08										
		CO3	1.8		1.8	0.6	1.8	1.8	1.2	0.6	0.6	0.6		0.6	1.8	1.8	1.25										
		CO4	1.8		1.8	0.6	1.8	1.8	1.2	0.6	0.6	0.6		0.6	1.8	1.8	1.25										
4	ME-2252 Engineering Thermodynamics	CO1	2.7	2.7	2.7	0.9	2.7	0.9	1.8	0.9	0.9	1.8	2.7	2.7	1.8	1.86											
		CO2	3	3	3	1	3	1	2	1	1	1	2	3	3	2	2.07										
		CO3	3	3	3	1	3	1	2	1	1	1	2	3	3	2	2.07										
		CO4	2.6	2.6	2.6	0.9	2.6	0.9	1.8	0.9	0.9	0.9	1.8	2.6	2.6	1.8	1.82										
4	ME-2254 Manufacturing Process-II	CO1	3	3	3					1				1	2	1	2.00										
		CO2	2.6	2.6	2.6									1.73	1.73	0.87	2.02										
		CO3	3					3				3		1	2	2	2.14										
		CO4	2.6				2.6		0.87			2.6		1.76	1.76	0.87	1.87										
4	ME-2251 Design of machine Elements	CO1	3	2	3	2		1	1			3		3	3	3	2.40										
		CO2	2.1	1.4	2.1				0.7			2.1		2.1	2.1	2.1	1.84										
		CO3	2.7		2.7		1.8				1	1.8	2.7	2.7	1.8	2.7	2.21										
		CO4	3		3	2	2	1				3		3	2	3	2.44										
5	ME2303 -HEAT TRANSFER	CO-1	3	3	3	1	3						3	2	3	3	2.67										
		CO-2	3	3	3	1	3						3	2	3	3	2.67										
		CO-3	3	3	3	1	3						3	2	3	3	2.67										
		CO-4	3	3	3	1	3						3	2	3	3	2.67										
5	ME2305-DYNAMICS OF MACHINERY	CO-1	3	2	3	2		1	1			3		3	3	3	2.40										
		CO-2	2.1	1.4	2.1				0.7			2.1		2.1	2.1	2.1	1.84										
		CO-3	2.7		2.7		1.8				1	1.8	2.7	2.7	1.8	2.7	2.21										
		CO-4	3		3	2	2	1				3		3	2	3	2.44										
5	ME2256 -PRODUCTION MANAGEMENT	CO-1	3	3	3		3									3	3	3									
		CO-2	3	3	3		3										3	3									
		CO-3	2.4	2.4	2.4		2.4									2.4	2.4	2.40									
		CO-4	2.4	2.4	2.4		2.4						2.4			2.4	2.4	2.40									
5	ME2331-OPERATION RESEARCH TECHNIQUES	CO-1	2.4				2.4	1.6			0.8				2.4		1.92										
		CO-2	1.5				1	1.5			1.5			1.5		1.40											
		CO-3	3			2	2	2				2	3		3		2.43										
		CO-4	1.8				1.2	1.2	0.6	0.6			1.2	1.8	1.8		1.28										
6	ME2367 -REFRIGERATION AND CRYOGENICS	CO-1	2.7		2.7		2.7							2.7	3	3	2.80										
		CO-2	1.5		1.5		1.5							1.5	3	3	2.00										
		CO-3	3		3		3							3	3	3	3.00										
		CO-4	1.8		1.8		1.8							1.8	3	3	2.20										
6	ME2383 -CONTROL SYSTEM	CO-1	2.7				1.8	2.7	1.8	1.8	2.7	1.8	0.9	1.8	2.7	2.7	2.13										
		CO-2	2				2	2	2	2	2	2	1	2	2	2	2.10										
		CO-3	1.8				1.8	1.8	2.7	1.8	1.8	2.7	1.8	0.9	2.7	2.7	1.98										
		CO-4	1.2	1.2	1.2		1.2		1.2	1.8	1.2	1.2	0.6	1.8	1.8	1.8	1.30										
6	ME2351 -FLUID MACHINES	CO-1	2.2	2.2	2.2		2.2			1.47	1.47	0.73	1.47	1.47	2.2	2.2	1.80										
		CO-2	1.9	1.9	1.9		1.9			1.27	1.27	0.63	1.27	1.27	1.9	1.9	1.56										
		CO-3	2.7		0.9	0.9		1.27				0.9		1.8	2.7	2.7	1.73										
		CO-4	2.2	2.2	2.2		2.2			1.47	1.47	0.73	1.47	1.47	2.2	1.47	1.73										
6	ME2365 -I.C ENGINES	CO-1	0.87	2.6	2.6											2.6	2.17										
		CO-2	1.47	2.2	2.2											2.2	2.02										
		CO-3	2.6	2.6	2.6											2.6	2.60										
		CO-4	2.2	2.2	2.2											2.2	2.20										

6	ME2369 - CIM	CO-1	1.8	1.8		1.8				1.8				1.8	1.8		1.80
		CO-2	1.8	1.8		1.8				1.8				1.8	1.8		1.80
		CO-3	3	3		3				3				3	3		3.00
		CO-4	3	3		3				3				3	3		3.00
7	PRODUCTION MANAGEMENT	CO-1	2.4			2.4	1.6			0.8					2.4		1.92
		CO-2	2.4			1.6	2.4			2.4					2.4		2.24
		CO-3	3			2	2	2			2	3			3	3	2.43
		CO-4	3			2	2	2	1	1			2	3	3	3	2.13
	DESIGN OF MECHANICAL DRIVES	CO-1	3	3		3	3								3	3	2.80
		CO-2	2.6			2.6									2.6		2.42
		CO-3	2.6			2.6									2.6		2.42
		CO-4	2.6			2.6									2.6		2.42
7	PE I - TOOL DESIGN	CO-1	3	2	3	2		1	1			3		3	3	3	2.40
		CO-2	3	2	3					1			3		3	3	2.63
		CO-3	2.2			2.2		1.47			0.73	1.47	2.2		2.2	1.47	2.22
		CO-4	3			3	2	2	1				3		3	2	2.44
7	PE I - ENGINEERING OF PLASTICS	CO-1	1			2	1		2	2	1	1	1		1	3	1.64
		CO-2	0.73			1.47	0.73		1.47	0.73	0.73	0.73	0.73		0.73	2.2	2.22
		CO-3	1			2	1		2	2	1	1	1		1	3	1.64
		CO-4	0.73			1.47	0.73	2.2	1.47	0.73	0.73	0.73	0.73		0.73	2.2	2.22
7	PE I - PROJECT EVALUATION & MANAGEMENT	CO-1	3			3	2	3	3	3	1	2	2	3	2	3	2.50
		CO-2	3			3	2	3	3	3	1	2	2	3	2	3	2.50
		CO-3	3			3	2	3	3	3	1	2	2	3	2	3	2.50
		CO-4	3			3	2	3	3	3	1	2	2	3	2	3	2.50
7	PE I - ADVANCED MANUFACTURING TECHNIQUES	CO-1	3			3					2	2	2	2	2	3	2.38
		CO-2	2.6			2.6					1.73	1.73	1.73	1.73	1.73	2.6	2.06
		CO-3	2.2			2.2					1.47	1.47	1.47	1.47	1.47	2.2	1.74
		CO-4	2.6			2.6					1.73	1.73	1.73	1.73	1.73	2.6	2.06
7	PE II - MAINTENANCE MANAGEMENT	CO-1	2.3			1.53	1.53	2.3		0.77	0.77	1.53		1.53	1.53	1.53	1.53
		CO-2	2.9			1.93	1.93	2.9		0.97	0.97	1.93		1.93	1.93	1.93	1.93
		CO-3	1.7			1.13	1.13	1.7		0.57	0.57	1.13		1.13	1.13	1.13	1.13
		CO-4	2.9			1.93	1.93	2.9		0.97	0.97	1.93		1.93	1.93	1.93	1.93
7	PE II - FINANCE & COST MANAGEMENT	CO-1	2.4			2.4	1.6			1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.18
		CO-2	2.4			2.4	1.6			1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.18
		CO-3	3			3	2	2	2	2	2	3	3	3	3	3	2.78
		CO-4	3			3	2	2	2	2	2	3	3	3	3	3	2.78
7	PE II - ARTIFICIAL INTELLIGENCE	CO-1	1.4	1.53		1.67	1.4				1.4				1.53	1.53	1.48
		CO-2	1.23	1.7		1.33	2.9				2	2	2		1.7	1.7	1.93
		CO-3	1.7	1.7		1.33	2.7				1.68	2			1.7	1.7	1.81
		CO-4	2.4	2.4	1.6			2.4	2.4		1.6	0.8			2.4	2.4	2.04
7	PE II - ENERGY MANAGEMENT	CO-2	1.6	1.6	1.07			1.6	1.6		1.07	0.53			1.6	1.6	1.36
		CO-3	1.6	1.6	1.07			1.6	1.6	1.6	1.07	0.53	1.6	1.6	1.6	1.6	1.42
		CO-4	2.4	2.4	1.6			2.4	2.4	2.4	1.6	0.8	2.4	2.4	2.4	2.4	2.13
		CO-1	2.4	1.6	0.8		1.6			0.8		2.4			1.6	0.8	1.50
7	Mechatronics	CO-2	3	2	2		2		1		3				2	1	2.00
		CO-3	1.8	1.2	0.6		1.8		0.6		1.8				0.6	0.6	1.13
		CO-4	1.8	1.2	1.2		1.2		0.6		1.8				0.6	0.6	1.13
		CO-1	2.8				2.8	2.2	1.6	1.6	2.2	1.6	1.6		2.8	1.6	2.08
7	PE III - FINITE ELEMENT METHODS	CO-2	2.8			2.8	2.8	1.6	1.6		1.6	1.6	1.6	2.8	2.8	2.8	2.25
		CO-3	1.6			1.6	1.4	1.2	1.2	1.4	1.2	1.4	1.2	1.6	1.6	1.6	1.40
		CO-4	1.6		1.4		1.6	1.6	1.2	1.2	1.4	1.2	1.2	1.2	1.6	1.2	1.37
		CO-1	3	3	2		3	3		2	2	2	2	2	3	2	2.40
7	PE III - CIM	CO-2	2	3		2	3			2	2	2	2	2	2	3	2.43
		CO-3	2.4	2.4	1.6		2.4				1.6				1.6	2.4	2.00
		CO-4	2.4	1.6	2.4			1.6			1.6	1.6	1.6	2.4	2.4	2.4	1.92
		CO-1	3	3	3	3	3	1	2	2	2	1	2	3	3	3	2.43
7	PE III - REFRIGERATION & CRYOGENICS	CO-2	3	3	3	3	3	1	2	2	2	1	2	3	3	3	2.43
		CO-3	3	3	3	3	3	1	2	2	2	1	2	3	3	3	2.43
		CO-4	3	3	3	3	3	1	2	2	2	1	2	3	3	3	2.43
		CO-1	3	3	3	3	3	1	2	2	2	1	2	3	3	3	2.43
8	ME-1435 AUTOMATION IN PRODUCTION	CO-1	2.4			2.4	1.6			0.8					2.4		1.92
		CO-2	2.4			1.6	2.4			2.4					2.4		2.24
		CO-3	3			2	2	2			2	3			3		2.43
		CO-4	3			2	2	1	1			2	3		3		2.13
8	ME-1475 OPERATION TECHNIQUES	CO-1	2.4			2.4	1.6			0.8					2.4		1.92
		CO-2	2.4			1.6	2.4			2.4					2.4		2.24
		CO-3	3			2	2	2			2	3			3		2.43
		CO-4	3			2	2	1	1			2	3		3		2.13
8	ME1441 EL IV : VEHICLE ENGINEERING	CO-1	3	2	2	1	1	2	2		1	2	2	2	2	3	1.92
		CO-2	1.8	1.2	1.2		0.6	1.2			0.6			1.2	0.6	1.8	1.13
		CO-3	1.8	1	1.2		0.6	1			0.6			1	0.6	1.8	1.13
		CO-4	1.8	1.2	1.2	0.6	1.8		1.2	1.2	0.6			1.2		1.8	1.26
8	ME1437 EL IV INDUSTRIAL FLUID POWER	CO-1	3			3								3	3	3	3.00
		CO-2	2.1			2.1								2.1	2.1	2.1	2.10
		CO-3	1.2			1.2								1.2	1.2	1.2	1.20
		CO-4	1.2			1.2								1.2	1.2	1.2	1.20
8	IV : SOLAR ENERGY UTILIZATION	CO-1	2	1.53	1.27		1.27			1.4		1.4		1.27		1.53	1.53
		CO-2	1.53	1.7	1.27		1.27			1.9		1.9		1.27		1.7	1.7
		CO-3	2	1.7	1.27		1.27			1.27		1.27		1.27		1.7	1.7
		CO-4	2	1.7	1.27		1.27			1.27		1.27		1.27		1.7	1.7
8	EL IV : Earthmoving Equipments	CO-1	3			3	3		3	1	2	2	2	2	3	3	2.38
		CO-2	3			3	3		3	1	2	2	2	2	3	3	2.44
		CO-3	3			3	3		3	1	2	2	2	2	3	3	2.44
		CO-4	3			3	3	3	3	1	2	2	3	2	3	3	2.55
8	ME1455 -EL V :PRODUCT DESIGN AND DEVELOPMENT	CO-1	0.87			1.73	0.87	1.73	0.87	0.87	0.87	2.6	1.73		0.87	2.6	1.37
		CO-2	0.73			2.2	0.73	1.47	0.73			2.2	1.47		0.73	2.2	0.73
		CO-3	1			0.87	0.87	1.73		1		2.6	1.73		0.87	2.6	1.47
		CO-4	0.87			2.6	0.87	1.73		1	1	2.6	1.73		0.87	2.6	1.59
8	PIPING DESIGN AND ENGINEERING	CO-1	3	2.4	3			3						3	2.4	2.80	
		CO-2	2.4	2	2.4			2.4						2.4	2	2.27	
		CO-3	1.8	1.6	1.8			1.8						1.8	1.6	1.73	

		CO-4	2.4	2.4	3				3							3	1.8	2.60	
8	ME 1453 -EL V : VALUE ENGINEERING	CO-1	3	2	3	3			2.6	1			3			3	3	3	2.66
		CO-2	2.1	1.4	2.1	2.3				0.7				2.3		2.2	2.1	2.1	1.92
		CO-3	2.7		2.7	2.6	1.8				1	1.8	2.7		2.7	1.8	2.7	2.7	2.25
		CO-4	3		3	2.3	2	2.6					3		3	2	3	3	2.66
8	ME 1452 -EL V : DESIGN OF EXPERIMENTS AND TAGUCHI METHOD	CO-1	3	3	0	0	3	3	0	0	3	3	3	0	3	3	3	3	1.93
		CO-2	3	3	3	0	3	3	3	0	3	3	3	3	0	3	3	3	2.36
		CO-3	2.1	2.1	2.1	0	2.1	2.1	2.1	0	2.1	2.1	2.1	0	2.1	2.1	2.1	2.1	1.65
		CO-4	2.1	2.1	2.1	0	2.1	2.1	2.1	0	2.1	2.1	2.1	0	2.1	2.1	2.1	2.1	1.65
8	ME459 -EL V : INDUSTRIAL SAFETY	CO-1	1.8			2.6	2.6		2.6	2.6	2.6	2.6	2.6	2.6	1.8	2.6	2.6	2.45	
		CO-2	2			3	3		3	3	3	3	3	3	2	3	3	2.82	
		CO-3	1.8			2.6	2.6		2.6	2.6	2.6	2.6	2.6	2.6	1.8	2.6	2.6	2.45	
		CO-4	1.5			2.2	2.2		2.2	2.2	2.2	2.2	2.2	2.2	1.5	2.2	2.2	2.07	
8	TRIB EL.V :TRIBOLOGY	CO-1	3		3			2	3									3	2.80
		CO-2	2.6		2.6			1.7	2.6									2.6	2.42
		CO-3	2.6		2.6			1.7	2.6									2.6	2.42
		CO-4	2.6		2.6			1.7	2.6									2.6	2.42
		Th Avg	2.34	2.19	2.19	1.68	2.1	1.95	1.55	1.29	1.78	1.73	2.07	1.91	2.29	2.18			

Sem.	Course code & title	CO	Lab Attainment												PSO-1	PSO-2	CO AVG			
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12						
III	ME-220L-AB Material Science and Metallurgy	CO-1	3	3				2	2	1							1	3	2.00	
III	ME-220L-AB Material Science and Metallurgy	CO-2	3	3				2	2	1							1	3	2.00	
III	ME-220L-AB Material Science and Metallurgy	CO-3	3	3				2	2	1							1	3	2.00	
III	ME-2206 LAB Mechanics of Material	CO-1	3	2	3	2					1	1		3		3	3	3	2.40	
III	ME-2206 LAB Mechanics of Material	CO-2	3	2	3						1	1		3		3	3	3	2.63	
III	ME-2206 LAB Mechanics of Material	CO-3	3	3	3			2					2	3	3	3	2	3	2.44	
III	ME-2206 LAB Mechanics of Material	CO-4	3		3	2	2	1				1	2	3	3	3	2	3	2.44	
III	ME-2209 LAB Fluid Mechanics	CO-1	3	3	2	1					3	3	2	3	3	3	3	3	2.56	
III	ME-2209 LAB Fluid Mechanics	CO-2	3	3	2	1					3	2	3	2	3	3	3	3	2.56	
III	ME-2209 LAB Fluid Mechanics	CO-3	3	3	2	2	1			1		3	2	3	3	3	3	3	2.42	
III	ME-2209 LAB Fluid Mechanics	CO-4	3	3	2	2	1			1		3	2	3	3	3	3	3	2.42	
IV	ME-2257 LAB MMM	CO-1	3	3				3		1	1	3		1	2	3	2	2	2.20	
IV	ME-2257 LAB MMM	CO-2	3	3				3		1	1	3		1	2	3	2	2	2.20	
IV	ME-2257 LAB MMM	CO-3	3	3	3	2				1				1	2	3	2	2	2.22	
IV	ME-2257 LAB MMM	CO-4	3	3	2			3		1				2	3	2	2	2	2.38	
V	ME-2304 DOM LAB	CO-1	3					2									3		2.67	
V	ME-2304 DOM LAB	CO-2	3					2									3		2.67	
V	ME-2304 DOM LAB	CO-3	3					2									3		2.67	
IV	ME-2255 LAB MP-II Lab	CO-1	3	3	3	1				1				1	2	2	1	1	1.89	
IV	ME-2255 LAB MP-II Lab	CO-2	3	3	3										2	2	1	1	2.33	
IV	ME-2255 LAB MP-II Lab	CO-3	3					3			3			1	2	2	1	1	2.14	
IV	ME-2255 LAB MP-II Lab	CO-4	3					3		1				3	2	2	1	1	2.14	
V	ME-2302 LAB Heat Transfer	CO-1	2.60	2.6	2.6	1.73	2.6	0.87	1.73	0.87	0.87	0.87	1.73	1.73	2.6	2.6	2.6	2.6	1.86	
V	ME-2302 LAB Heat Transfer	CO-2	2.6	2.6	2.6	1.73	2.6	0.87	1.73	0.87	0.87	0.87	1.73	1.73	2.6	2.6	2.6	2.6	1.86	
V	ME-2302 LAB Heat Transfer	CO-3	2.6	2.6	2.6	1.73	2.6	0.87	1.73	0.87	0.87	0.87	1.73	1.73	2.6	2.6	2.6	2.6	1.86	
V	ME-2302 LAB Heat Transfer	CO-4	2.6	2.6	2.6	1.73	2.6	0.87	1.73	0.87	0.87	0.87	1.73	1.73	2.6	2.6	2.6	2.6	1.86	
IV	ME-2251 LAB Machine Drawing	CO-1	3					3		3	3	3					3		3.00	
IV	ME-2251 LAB Machine Drawing	CO-2	3		3			3		3	3	3					3		3.00	
IV	ME-2251 LAB Machine Drawing	CO-3	3		3			3		3	3	3					3		3.00	
IV	ME-2251 LAB Machine Drawing	CO-4	3		3			3		3	3	3					3		3.00	
VI	ME-2352 LAB Fluid Mechanics	CO-1	3	3	3			3		2	2	1	2	2	3	3	3	3	2.33	
VI	ME-2352 LAB Fluid Mechanics	CO-2	3	3	3			3		2	2	1	2	2	3	3	3	3	2.33	
VI	ME-2352 LAB Fluid Mechanics	CO-3	3		1	1		2				1		2	3	2	2	2	1.88	
VI	ME-2352 LAB Fluid Mechanics	CO-4	3	3	3			3		2	2	1	2	2	3	3	3	3	2.33	
VI	ME-2364 LAB (PE-1) Industrial Fluid Power	CO-1	3	3	3			3		2	2	1	2	2	3	3	3	3	2.33	
VI	ME-2364 LAB (PE-1) Industrial Fluid Power	CO-2	3	3	3			3		2	2	1	2	2	3	3	3	3	2.33	
VI	ME-2364 LAB (PE-1) Industrial Fluid Power	CO-3	3		1	1		2				1		2	3	2	2	2	1.88	
VI	ME-2364 LAB (PE-1) Industrial Fluid Power	CO-4	3	3	3			3		2	2	1	2	2	3	3	3	3	2.33	
VI	ME-2365 LAB (PE-4) IC Engine	CO-1	3	3	3														3.00	
VI	ME-2365 LAB (PE-4) IC Engine	CO-2	3	3	3														3.00	
VI	ME-2365 LAB (PE-4) IC Engine	CO-3	3	3	3														3.00	
VI	ME-2365 LAB (PE-4) IC Engine	CO-4	3	3	3														3.00	
VI	ME-2368 LAB Refrigeration and Cryogenic	CO-1	3		3			3						3	3	3	3	3	3.00	
VI	ME-2368 LAB Refrigeration and Cryogenic	CO-2	3		3			3						3	3	3	3	3	3.00	
VI	ME-2368 LAB Refrigeration and Cryogenic	CO-3	3		3			3						3	3	3	3	3	3.00	
VII	ME-1446 LAB (PE-4) Mechanics	CO-1		3				2				3							1	2.25
VII	ME-1446 LAB (PE-4) Mechanics	CO-2		3				2				3							1	2.25
VII	ME-1446 LAB (PE-4) Mechanics	CO-3		3				2				3							1	2.25
VII	ME-1446 LAB (PE-4) Mechanics	CO-4		3				2				3							1	2.25
VII	Mechanics Lab	CO-1		3				2				3							1	2.25
VII	Mechanics Lab	CO-2		3				2				3							1	2.25
VII	Mechanics Lab	CO-3		3				2				3							1	2.25
VII	Mechanics Lab	CO-4		3				2				3							1	2.25
VII	ME-1416 Project Phase -I	IBUBRBCSN	3							3				3					3	3.00
VII	ME-1416 Project Phase -I	IBUBRBCSN		3	3			3	3	3				3	3	3			3	3.00
VII	ME-1416 Project Phase -I	IBUBRBCSN			3	3		3	3	3				3	3	3			3	3.00
VII	ME-1416 Project Phase -I	IBUBRBCSN				3		3	3	3				3	3	3			3	3.00
VIII	ME-1436 LAB Automation In Production	CO-1	3	2	3	2	2	3	2	2	2	2	2	2	3	2	2	2	2	2.25
VIII	ME-1436 LAB Automation In Production	CO-2	3	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2.25
VIII	ME-1436 LAB Automation In Production	CO-3	3	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2.25
VIII	ME-1436 LAB Automation In Production	CO-4	3		3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2.30
VIII	ME-1438 LAB (PE-4) Industrial Fluid Power	CO-1	3	3	3			3		3				3	3	3	3	3	3.00	
VIII	ME-1438 LAB (PE-4) Industrial Fluid Power	CO-2	3	3	3															

