Mechanical Engineering Department

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	Fall Semester						Spring Semester			
Course	Course Title	Cr	edit I	Hours		Course Code	Course Title	Credit H		lours
Code		Th	Pr	Total				Th	Pr	Total
CY-109	Applied Chemistry	3	1	4		PH-122	Applied Physics	3	1	4
MT-114	Calculus	3	0	3		HS-104	Functional English	3	0	3
CE-103	Engineering Surveying-I Pakistan Studies OR	3 2	1	4 2		EE-124 ME-104	Basic Electricity and Electronics	2	1	3 2
HS-105 HS-127	Pakistan Studies OK Pakistan Studies (for Foreigners)	2	U			ME-104	Workshop Practice Statics	0 2	2 1	3
ME-111	Engineering Drawing	2	1	3		ME 112	Thermodynamics	3	0	3
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				SE	CO	ND YE	Fall Semester			
	Spring Semester Course Credit H					•	1!4.1			
Course Code	Course Title	Th	Pr	Total		Course Code	Course Title	Th	eait F Pr	lours Total
HS 205	Islamic Studies OR	2	0	2	1	MT 330	Applied Probability & Statistics	2	1	3
HS 209	Ethical Behaviour (for Non-Muslims)		U			ME 202	Solid Mechanics-I	3	1	4
MT 223	Ordinary Differential Equations &	3	0	3		ME 209	Materials & Metallurgy	3	1	4
223	Fourier Series					ME 214	Computer Programming & Applications	2	1	3
ME 204	Fluid Mechanics-I	3	1	4		ME 217	Elements of Machine Dynamics & Design	3	0	3
ME 213	Dynamics	2	1	3			,			
ME 215	Internal Combustion Engines	2	1	3						
ME 216	Production Engineering - I	3	0	3						
				T	HIF	RD YEA	AR			
	Spring Semester						Fall Semester			
Course	Course Title	Cr	edit I	Hours		Course	Course Title	Credit Hours		
Code		Th	Pr	Total		Code		Th	Pr	Total
HS 304	Business Communication & Ethics	3	0	3		MT 332	Advanced Calculus & Linear Algebra	3	0	3
ME 307	Production Engineering –II	3	1	4		EE 373	Machine Control System	3	1	4
ME 312	Powerplant Engineering	3	1	4		ME 305	Machine Design	3	1	4
ME 313	Solid Mechanics – II	3	0	3		ME 315	Heat & Mass Transfer	3	1	4
ME 314	Fluid Mechanics-II	3	0	3		ME 403	Refrigeration & Air Conditioning	3	1	4
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	Spring Semester				INA		AR Fall Semester			
Course	- <u>-</u>			Hours	INA	Course		-		lours
Course Code	Course Title	Th	edit I	Hours Total	INA	Course Code	Fall Semester Course Title	Th	edit H Pr	Total
Course			Pr	Hours	INA	Course	Fall Semester	-	Pr	
Course Code	Course Title Applied Economics for Engineers Mechanical Vibration	Th 3	Pr 0	Hours Total	INA	Course Code HS 403	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques	Th 3	Pr 0	Total 3
Course Code MF-303 ME 306	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project	Th 3 3	Pr 0 1	Hours Total 3 4	INA	Course Code HS 403 MT 441	Fall Semester Course Title Entrepreneurship	Th 3 3	Pr 0 0	Total 3 3
Course Code MF-303 ME 306 ME-409	Course Title Applied Economics for Engineers Mechanical Vibration	Th 3 3 0	Pr 0 1 3	Hours Total 3 4 3	INA	Course Code HS 403 MT 441 ME-409	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project	Th 3 3 0	Pr 0 0 3	Total 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management	Th 3 3 0 3	Pr 0 1 3 0 0 1/0	Total 3 4 3 3 2 3	-	Course Code HS 403 MT 441 ME-409 ME 417 ME-###	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3	Pr 0 1 3 0 0 1/0 ELEC	Hours Total 3 4 3 2 3 CTIVE CO	URS	Course Code HS 403 MT 441 ME-409 ME 417 ME-###	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3	Pr 0 1 3 0 0 1/0 ELEC	Hours Total 3 4 3 2 3 CTIVE CO	URS	Course Code HS 403 MT 441 ME-409 ME 417 ME-###	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3 ME-42: ME-42:	Pr 0 1 3 0 0 1/0 ELEC 1 2	Hours Total 3 4 3 2 3 CTIVE CO Gas Tu Nuclea	URS rbino	Course Code HS 403 MT 441 ME-409 ME 417 ME-###	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems Elective Course 2	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3 ME-42: ME-42: ME-42:	Pr 0 1 3 0 0 1/0 ELEC 1 2 3	Total 3 4 3 3 2 3 CTIVE CO Gas Tu Nuclea Compu	URS rbino r Po	Course Code HS 403 MT 441 ME-409 ME 417 ME-###	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems Elective Course 2	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3 ME-42: ME-42: ME-42: ME-42:	Pr 0 1 3 0 0 1/0 1/0 1 2 3 4	Hours Total 3 4 3 2 3 CTIVE CO Gas Tu Nuclea Compu	URS rbine r Po	Course Code HS 403 MT 441 ME-409 ME 417 ME-### ES es wer Aided Des gy Techno	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems Elective Course 2	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3 ME-42: ME-42: ME-42: ME-42: ME-42- ME-42- ME-42-	Pr 0 1 3 0 0 1/0 ELEC 1 2 3 4 5 5	Total 3 4 3 3 2 3 CTIVE CO Gas Tu Nuclea Compu Clean E Finite E	URS rbino r Po iter /	Course Code HS 403 MT 441 ME-409 ME 417 ME-### ES es wer Aided Des gy Techno ent Analy	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems Elective Course 2	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3 ME-42: ME-42: ME-42: ME-42: ME-42: ME-42: ME-42: ME-42: ME-42:	Pr 0 1 3 0 0 1/0 ELEG 1 2 3 4 5 5 6	Total 3 4 3 3 2 3 CTIVE CO Gas Tu Nuclea Compu Clean E Finite E Plant N	URS rbino r Po tter /	Course Code HS 403 MT 441 ME-409 ME 417 ME-### ES es wer Aided Des gy Techno ent Analy tenance	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems Elective Course 2 ign / Computer Aided Manufacturing llogy sis	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3
Course Code MF-303 ME 306 ME-409 ME 419 ME 420	Course Title Applied Economics for Engineers Mechanical Vibration *Mechanical Engineering Project Stress Analysis Operations Management Elective Course 1	Th 3 3 0 3 2 2/3 ME-42: ME-42: ME-42: ME-42: ME-42- ME-42- ME-42-	Pr 0 1 3 0 0 1/0 ELEC 1 2 3 4 5 5 6 8 8	Total 3 4 3 2 3 CTIVE CO Gas Tul Nuclea Comput Clean E Finite E Plant N Health,	URS rbino r Po tter / Elem //ainr	Course Code HS 403 MT 441 ME-409 ME 417 ME-### ES es wer Aided Des gy Techno ent Analy tenance ety and Er	Fall Semester Course Title Entrepreneurship Advanced Mathematical Techniques Mechanical Engineering Project Compressible Flow and Propulsion Systems Elective Course 2	Th 3 3 0 3	Pr 0 0 3 0	3 3 3 3 3