Semester Semester Semester Semester Semester Semester Semester Semester Semester Subject (Pro-requisites) The Pro-Person Pro-Person Subject (Pro-requisites) The Pro-Person The Pro-Per			B.Sc.	Mecha	nical Engineering				
Course No				Year					
Course No		Semester 1				Semester 2			
MA-113	Course No	Subject (Pre-requisites)	Hours		Course No	Subject (Pre-requisites)	Но	Hours	
PHY-119	HU-111L		0	1			3	0	
Main-part Main		Calculus and Analytic Geometry		0					
Main-cologies	PHY-119		2	0	ME-124(22)	Engineering Mechanics-II	2	0	
ME-121/22				1		<u> </u>		1	
Metalog			3	1			3		
Metable Meta									
Metangle Metangle								0	
Course No	QT-101	Translation of Holy Quran-I	1	0				1	
Semester 3					ME-122(22)L	Engineering Mechanics	0	1	
Course No Subject (Pre-requisites) Credit Hours Thi Pre- Regular Regular				Year	2				
Course No Subject (Pre-requisites) Hours Th Pr S-2XX Ideology & Constitution of Pakistan 3 0 ME-231(22) Materials and Manufacturing-it (ME-131(22)) 2 1 ME-251 Computer Aided Drawing 0 0 1 ME-211(22) Fluid Mechanics of Materials-I ME-211(22) Fluid Mechanics of Materials-I ME-211(22) Fluid Mechanics of Materials-I ME-211(22) ME-212 Mechanics of Materials-I ME-211(22) ME-212 Mechanics of Materials-I ME-211(22) ME-212 Mechanics of Materials-I ME-211(22) ME-222 Mechanics of Materials-I ME-221 M		Semester 3				Semester 4			
IS-2XX	Course No	Subject (Pre-requisites)	Н	ours	Course No	Subject (Pre-requisites)	Но	ours	
ME-231(22) Materials and Manufacturing-II (ME-131(22)) 2 1 ME-251L Computer Aided Drawing 0 1 ME-212 Mechanics of Materials-I ME-212 Mechanics of Materials-I ME-211 ME-21122 Mechanics of Materials-I ME-21122 Mechanics of Materials-II (ME-211(22)) 3 1 ME-211(122) Fluid Mechanics of Materials-II (ME-211(22)) ME-222 Mechanics of Materials-II (ME-211(22)) ME-223	IS-2XX	Ideology & Constitution of Pakistan			MF-272	Engineering Project Management			
ME-251 Computer Aided Drawing									
ME-221 Mechanics of Materials-I 3 1	- \ /			1					
ME-211(22)									
HU-003				1					
CS-103				0					
Science Scie									
Course No Subject (Pre-requisites)	CS-103		2	1	QT-201	Translation of Holy Quran-II	1	0	
Credit Hours Hours Course No Subject (Pre-requisites) Credit Hours		Semester 5		Year	3	Semester 6			
ME-321(22) Mechanics of Machines 3 1 ME-312(22) Heat and Mass Transfer 2 1 ME-312(22) Heat and Mass Transfer 2 1 ME-341(22) Instrumentation and Control 2 0 ME-322(22) Machine Design -l 3 0 ME-322(22) Machine Design -l 0 1 ME-322(22) Machine Design -l 0 1 ME-351L Computer Aided Design -l 0 1 ME-351L Computer Aided Design -l 0 1 ME-351L ME-332 Metrology and Quality Assurance (MA-241) 2 0 ME-381aL Health Safety & Industrial Environment 0 1 ME-361(22) Energy Resources and Utilization 2 0 ME-353a Numerical Analysis for Mechanical Engineers 2 1 ME-371a Professional Ethics in Engineering Practices 1 0 ME-371a Professional Ethics in Engineering Practices 1 0 ME-453a Computational Engineering (ME-212) 2 0 ME-461 Energy Conservation & Management 2 0 ME-453a Computational Engineering (ME-353a) 2 1 ME-421(22) Mechanical Vibrations (ME-321(22)) 3 1 ME-496L FYDP-1 0 3 ME-472 Supply Chain Management 2 0 ME-472 Supply Chain Management 2 0 ME-472 Corelit ME-496L FYDP-1 (ME-496L) Credit ME-497L FYDP-1 (ME-496L) Credit ME-496L FYDP-1 (ME-496L) Credit ME-497L FYDP-1 (ME-496L) Credit ME-497L FYDP-1 (ME-496L) Credit ME-497L Credit ME-496L Credit ME-346L Credit ME-346L Credit ME-346L Credit	Course No		Н	ours	Course No		Но	ours	
ME-312(22)	MF-321(22)	Mechanics of Machines		1	MF-342	Robotics and Automation (MF-341(22))		1	
ME-341(22)				1				1	
ME-322(22) Machine Design -I 3 0 ME-351L Computer Aided Design -I 0 1 ME-351L Computer Aided Design -I 0 1 ME-351L Computer Aided Design -I 0 1 ME-381aL Health Safety & Industrial Environment 0 1 ME-399L Semester Design Project 0 1 ME-361(22) Energy Resources and Utilization 2 0 ME-399L Semester Design Project 0 1 ME-351a Numerical Analysis for Mechanical Engineers 2 1 0 ME-371a Professional Ethics in Engineering Practices 1 0 ME-371a Professional Ethics in Engineering Practices 1 0 ME-415(22) Power Plants Engineering (ME-212) 2 0 ME-461 Energy Conservation & Management 2 0 ME-453a Computational Engineering (ME-353a) 2 1 ME-464L Energy & Power Systems 0 1 ME-496L EryD-I O 3 ME-472 Supply Chain Management 2 0 ME-496L EryD-I ME-496L EryD-I ME-497L EryD-I ME-497L EryD-I ME-496L EryD-I ME-496L EryD-I ME-497L EryD-I ME-496L EryD-I ME-496L EryD-I ME-497L EryD-I ME-497L EryD-I ME-496L EryD-I ME-496L EryD-I ME-497L				0					
ME-351L Computer Aided Design -I 0 1 ME-381aL Health Safety & Industrial Environment 0 1 ME-399L Semester Design Project 0 1 ME-399L Semester Design Project 0 1 ME-3701 Translation of Holy Quran-III 1 0 ME-371a Professional Ethics in Engineering Practices 1 0 ME-371a Professional Ethics in Engineering Practices 1 0 ME-371a ME-371a Professional Ethics in Engineering Practices 1 0 ME-371a ME-371									
ME-381aL								0	
ME-399L Semester Design Project 0 1 ME-353a Numerical Analysis for Mechanical Engineers 2 1 0									
Translation of Holy Quran-III				1					
Semester 7 Semester 8 Course No Subject (Pre-requisites) Credit Hours Th Pr ME-415(22) Power Plants Engineering (ME-212) 2 0 ME-461 Energy Conservation & Management 2 0 ME-478 Engineering Economics 2 0 ME-464L Energy & Power Systems 0 1 ME-453a Computational Engineering (ME-353a) 2 1 ME-464L Energy & Power Systems 0 1 ME-411 IC Engine (ME-212) 2 1 ME-412(22) Refrigeration and Air Conditioning (ME-312(22)) 2 1 ME-496L FYDP-1 0 3 ME-472 Supply Chain Management 2 0 ME-4xx Elective-I 2 0 ME-497L FYDP-II (ME-496L) 0 3 QT-401 Translation of Holy Quran-IV 1 0 ME-4xx Elective-II 2 0				0				0	
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Course No Subject (Pre-requisites) Hours Th Pr ME-415(22) Power Plants Engineering (ME-212) 2 0 ME-461 Energy Conservation & Management 2 0 ME-478 Engineering Economics 2 0 ME-464L Energy & Power Systems 0 1 ME-453a Computational Engineering (ME-353a) 2 1 ME-412(22) Refrigeration and Air Conditioning (ME-312(22)) 2 1 ME-496L FyDP-1 0 3 ME-472 Supply Chain Management 2 0 ME-4yx Elective-I 2 0 ME-497L FYDP-1 (ME-496L) 0 3 QT-401 Translation of Holy Quran-IV 1 0 ME-4xx Elective-II 2 0		Semester /		rodit		Seniestei o	0-	odit	
ME-415(22) Power Plants Engineering (ME-212) 2 0 ME-478 Engineering Economics 2 0 ME-453a Computational Engineering (ME-353a) 2 1 ME-411 IC Engine (ME-212) 2 1 ME-496L FYDP-I 0 3 ME-4xx Elective-I 2 0 ME-491 Translation of Holy Quran-IV 1 0 ME-4xx Elective-I 2 0 ME-4xx Elective-II 2 0 ME-4xx Elective-II 2 0	Course No	Subject (Pre-requisites)	Н	ours	Course No	Subject (Pre-requisites)	Hours		
ME-478 Engineering Economics 2 0 ME-464L Energy & Power Systems 0 1 ME-453a Computational Engineering (ME-353a) 2 1 ME-412(22) Refrigeration and Air Conditioning (ME-312(22)) 2 1 ME-491 IC Engine (ME-212) 2 1 ME-421(22) Mechanical Vibrations (ME-321(22)) 3 1 ME-496L FYDP-I 0 3 ME-472 Supply Chain Management 2 0 ME-4xx Elective-I 2 0 ME-497L FYDP-II (ME-496L) 0 3 QT-401 Translation of Holy Quran-IV 1 0 ME-4xx Elective-II 2 0	ME-415(22)	Power Plants Engineering (ME-212)			ME-461	Energy Conservation & Management			
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ME-411 IC Engine (ME-212) 2 1 ME-421(22) Mechanical Vibrations (ME-321(22)) 3 1 ME-496L FYDP-I 0 3 ME-472 Supply Chain Management 2 0 ME-4xx Elective-I 2 0 ME-497L FYDP-II (ME-496L) 0 3 QT-401 Translation of Holy Quran-IV 1 0 ME-4xx Elective-II 2 0				1					
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	ME-471	Production and Operations Management	2	0	IIIL TAA	LICOUTO II		U	