7. Scheme of Studies

71 501	Industri	al an	d M	anufa	cturing	Engineering				
	III usu i	ai aii		First Y		Engineering				
	Fall Semester			riist i	eai	Spring Semester				
Course		Credit Hrs			Course			edit I	Irs	
Code	Course Title	Th	Pr	Total	Code	Course Title	Th	Pr	Total	
ME-101	Engineering Mechanics	3	1	4	PH-122	Applied Physics	3	1	4	
ME-104	Workshop Practice	0	2	2	HS-111	Functional English	2	0	2	
HS-105	Pakistan Studies or	2	0	2	IM-101	Computer Applications in	2	1	3	
HS/127	Pakistan Studies for Foreigners					Engineering		1		
MT-114	Calculus	3	0	3	IM-105	Thermofluids	3	1	4	
EE-122	Basic Electricity and Electronics	3	0	3	ME-111	Engineering Drawing	2	1	3	
	Total	11	3	14	X 7	Total	12	4	16	
	Foll Compaten		S	econd	Year	Construction Conservation				
Fall Semester			d:4 1	Two	Spring Semester Course			Credit Hrs		
Course Code	Course Title	Th	Pr	t Hrs Total	Course Code	Course Title	Th	Pr	Tota	
IM-203	Manufacturing Processes	3	1	4	IM-211	Machine Design	3	1	4	
IM-208	Materials Engineering	3	1	4	IM-211	Computer Aided Engineering Design	2	1	3	
IM-209	Mechanics of Materials	3	1	4	IM-213	Metrology and Quality Control	3	1	4	
	Introduction to Probability and	_								
MT-252	Statistics	3	1	4	MF-303	Applied Economics for Engineers	3	0	3	
HS-205 /	Islamic Studies / Ethical Behavior	2	0	2	MT-225	Linear Algebra & Ordinary	3	0	3	
HS-209	Islamic Studies / Etilical Bellaviol		U			Differential Equations	3	U		
					HS-200	Community Service	-	-	NC	
	Total	14	4	18		Total	14	3	17	
	77.77.0		7	Chird Y	Year	g 4 g				
C	Fall Semester				C	Spring Semester	Credit Hrs			
Course	Course Title	Credit Hrs Th Pr Total		Course	Course Title		east 1 Pr			
Code IM-303	Production Management	3	1	4	Code IM-307	Advanced Manufacturing Processes	Th 3	1	Tota	
IM-310	Tool Design	3	1	4	IM-308	Operations Research	3	1	4	
IM-310	Applied Thermofluids	3	1	4	IM-320	Modeling and Simulation	2	1	3	
MT-333	Advanced Calculus & Fourier Analysis	3	0	3	IM-408	Automation & Robotics	3	1	4	
HS-304	Business Communication & Ethics	3	0	3	IM-411	Methods Engineering	2	1	3	
					HSK-I	Chinese Language OR	-	-	NC	
					HS-231	Turkish Language-I	-	-	NC	
	Total	15	3	18			13	5	18	
		-		Final Y	/ear		-	-		
	Fall Semester					Spring Semester				
Course	Course Title	Credit Hrs			Course	Course Title		edit I	-	
Code		Th	Pr	Total			Th	Pr	Total	
IM-402	Computer Aided Manufacturing	3	1	4	IM-413	Plant Engineering	3	1	4	
IM-405	Finite Element Analysis	3	1	4	IM-417	Health, Safety & Environment	2	1	3	
*IM-##	Elective Course	3	1	4	MG-481	Entrepreneurship	3	0	3	
MG-450	Principles of Supply Chain Management	3	0	3	MT-441	Advanced Mathematical Techniques	3	0	3	
IM-409	Final Year Design Project	0	3	3	IM-409	Final Year Design Project	0	3	3	
HSK-II	Chinese Language OR	-	-	NC	1111 707	I mai Toui Dosign Hoject	3		,	
HS-232	Turkish Language-II	_	-	NC					<u> </u>	
	Total	12	5	17		Total	11	5	16	
	2000				Courses	2000				
IM-416	Management Information System				IM-420	Basics of Additive Manufacturing				
IM-418	Condition Monitoring				IM-421	Smart Manufacturing System				
1111 -110					IM-422	Ergonomics in Workplace Design				
IM-419	Project Management									