Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments	Cr	edits	N	orm	Evalu (%	
Code			III's/week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 1										
MA1013	Mathematics	C	3	1/1	3.0				20	80
CS1032	Programming Fundamentals	C	2	3/1	3.0				20	80
ME1032	Mechanics	C	2	3/4	2.0				20	80
MT1022	Properties of Materials	С	2	3/4	2.0				20	80
CE1022	Fluid Mechanics	С	2	3/4	2.0				20	80
EE1012	Electrical Engineering	С	2	3/4	2.0				20	80
EL1012	Language Skill Enhancement I	С	-	3/1	1.0				20	80
MN1012	Engineering in Context	С	1	-		1.0	15.0	1.0	30	70
				Tota	l for Se	mester 1	15.0	1.0		
Semester 2										
MT1032	Principles of Materials Science & Engineering I	С	1.5	3/2	2.0				30	70
EN1802	Basic Electronics	С	2	3/4	2.0				30	70
MT1062	Polymer Science	С	1.5	3/2	2.0				30	70
ME1090	Engineering Drawing and Computer Aided Modeling	С	2	3/1	3.0				100	0
CS2812	Visual Programming	С	1	3/1	2.0				60	40
MA1023	Method of Mathematics	C	3	1/1	3.0				30	70
MT1162	Metals and Alloys - I	С	1.5	3/2	2.0				30	70
EL1022	Language Skill Enhancement II	С	-		1.0				30	70
ME1100	Mechanics of Materials I	С	1.5	3/2	2.0				30	70
MT1962	Engineering Skill Development	С	0.5	3/1		1.5			100	0
MT1952	Engineering Design	С	0.5	3/1		1.5	19.0	3.0	100	0
DE2XXX	Humanities Elective-I	Е	1.5	3/2	2.0		2.0	0.0		
MN1030	Entrepreneurship Skill Development	0	0.5	3/2		1.0			70	30
				Tota	l for Se	mester 2	21.0	3.0		

Module			Lectures	Lab/ Assignm	Cro	edits	No	orm		uation %)
Code	Module Name	Category	hrs/week	ents hrs/week s	GPA	NGPA	GPA	NGPA	CA	WE
Semester 3										
MT2122	Principles of Materials Science & Engineering II	С	1.5	3/2	2.0				30	70
ME1822	Basic Engineering Thermodynamics	C	1.5	3/2	2.0				30	70
MA2013	Differential Equations	C	2	-	2.0				30	70
MA2023	Calculus	C	2	-	2.0				30	70
MT2052	Communication Skills	C	1.5	3/2	2.0				100	0
MT2042	Ceramic Science	C	1.5	3/2	2.0				30	70
EE2802	Applied Electricity	C	1.5	3/2	2.0				30	70
EN2852	Applied Electronics	C	1.5	3/2	2.0				40	60
MT2152	Polymer Technology	C	1.5	3/2	2.0		18.0	0.0	30	70
MN1030	Entrepreneurship Skill Development	0	0.5	3/2		1.0			70	30
				Total	for Sen	nester 3	18.0	0.0		
Semester 4										
MT2142	Electrical and Magnetic Properties of Materials	C	2.5	3/2	3.0				30	70
MT2072	Metal Forming and Machining	С	1.5	3/2	2.0				30	70
MT2032	Degradation of Materials	C	1.5	3/2	2.0				30	70
MA2033	Linear Algebra	С	2	-	2.0				30	70
MA3013	Applied Statistics	С	2	-	2.0				30	70
ME2832	Mechanics of Machines	C	1.5	3/2	2.0				30	70
ME2060	Mechanics of Materials II	C	3.5	3/2	4.0				30	70
ME2850	Fundamentals of Machine Element Design	С	2	3/1	3.0		20.0	0.0	40	60
MN2010	Entrepreneurial Leadership	0	1.5	3/2	2.0				50	50
				Total	for Sen	nester 4	20.0	0.0		

Module	M I I N		Lectures	Lab/ Assignmen	Cr	redits	No	rm		ation (6)
Code	Module Name	Category	hrs/week	ts hrs/weeks	GPA	NGPA	GP A	NG PA	CA	WE
Semester 5		•								
MT3052	Characterisation of Materials	С	2	3/2	2.5				30	70
ME3812	Machine Design	C	1	3/1	2.0				30	70
MA3023	Numerical Methods	C	2	-	2.0				30	70
MN3042	Business Economics and Financial Accounting	С	3	-	3.0				30	70
MT3902	Industrial Visits I	С	-	-		1.0	9.5	1.0	100	0
MT3212	Metal Casting and Powder Metallurgy	Е	1.5	3/2	2.0				30	70
MT3252	Ceramic Technology	Е	2.5	3/2	3.0				30	70
MT3242	Joining of Materials	Е	1.5	3/2	2.0				30	70
MT3092	Polymer Engineering	Е	2.5	3/2	3.0				30	70
ME3012	Control Systems and Instrumentation	Е	3.5	3/2	4.0				30	70
MT3082	Latex Science and Technology	Е	2	3/2	3.0				30	70
MN3052	Industrial Management & Marketing	Е	2.5	3/2	3.0		10.0	0.0	30	70
MN3010	Multidisciplinary Design, Innovation and Venture Creation	0	1.5	3/2	2.0				50	50
Total for Semester 5							19.5	1.0		
Training S	emester									
MT3992	Industrial Training	C	-	-		6.0	0.0	6.0	100	0
Total for Training Semester								6.0		

Module	Module Name	G 4	Lectures	Lab/	Cr	edits	Norm			uation %)
Code	Module Name	Category	hrs/week	Assignments hrs/weeks	GP	NGP	GP	NGP		
				III S/ WCCKS	A	A	A	A	CA	WE
Semester 6										
DE2xxx	Humanities Elective-II	E			2.0					
MT4202	Research Projects	С			2.0				100	0
MT4902	Industrial Visits-II	С	-	-		2.0	4.0	2.0	100	0
MT4332	Heat treatments and strengthening Mechanisms of Metals	Е	2.5	3/2	3.0				30	70
MT4282	Nano Materials	Е	1.5	3/2	2.0				30	70
MT4772	Paint Technology	Е	1.5	3/2	2.0				30	70
MT3712	Extraction of Metals	Е	1.5	3/2	2.0		6.0	0.0	30	70
Total for Semester 6										

Module	Module Name	Category	Lectures	Lab/ Assignments	Cr	edits	No	orm		uation %)
Code			hrs/week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 7										
MT4022	Total Quality Management	C	1.5	3/2	2.0				30	70
MT4202	Research Project	С	-	-	3.0				100	0
MT4032	Optical and Electron Microscopy	С	1.5	3/2	2.0				30	70
MT4052	Mechanical Behaviour of Materials	С	1.5	3/2	2.0		9.0	0.0	30	70
MT4262	Metals and Alloys - II	Е	2.5	3/2	3.0				30	70
MT4302	Advanced Ceramics	Е	1.5	3/2	2.0				30	70
MN4132	Consumer & Industrial Marketing	Е	2	_	2.0				30	70
MT4062	Industrial Polymer Process Engineering	Е	2	3/1	3.0				30	70
MT4072	Design & Fabrication of Polymer Products	Е	2.5	3/2	3.0				30	70
MN4022	Engineering Economics	Е	2	-	2.0				30	70
MN4122	Human Resource Management and Industrial Relations	Е	2	-	2.0				30	70
MT4712	Refractories & Kiln Technology	Е	1.5	3/2	2.0				30	70
MT4742	Composites	Е	1.5	3/2	2.0				30	70
MN3020	Entrepreneurship Business Basics	Е	2	3/1	3.0		9.0	0.0	50	50
Total for Semester 7								0.0		

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments	Cred	dits	Norm		Evaluation (%)	
Code		III S/ WC		hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 8										
MT4202	Research Project	C	1	-	3.0				100	0
MN4042	Technology Management	С	2	-	2.0				30	70
MT4112	Selection of Materials, Failure Analysis and Non Destructive Testing	С	2	3/2	2.5		7.5	0.0	30	70
MT4272	Smart Materials	Е	1.5	3/2	2.0				30	70
MT4342	Cleaner Production	Е	1.5	3/2	2.0				30	70
MN4010	Business Plan Development	Е	1.5	3/2	2.0				70	30
MT4082	Dies and Moulds for Polymer Processing	Е	2.5	3/2	3.0				30	70
MT4092	Polymer Process Control and Instrumentation	Е	2	3/2	3.0				30	70
MA4022	Operational Research	Е	3	-	3.0				30	70
MT4722	Construction Materials	Е	1.5	3/2	2.0				30	70
MT4732	Bio Materials	Е	1.5	3/2	2.0				30	70
MN4072	Small Business Management & Entrepreneurship	Е	2	-	2.0		8.0	0.0	30	70
				Tot	tal for Sei	mester 8	15.5	0.0		
Total credit for the Programme								13		

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Modules offered for other Fields of Specialization

Module Code	Module Name Catego		nrs/week	Cro	edits	No	orm		uation %)	
Code			III'S/WEEK	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 2	Semester 2									
MT2802	Materials Science		2	3/2	2.5				30	70
MT1812	Engineering Materials		1.5	3/2	2.0		·		30	70
Total for Semester										

Modules offered for Focus Area in Polymer Engineeirng

Module Code	Module Name	Category	Lectures	Lab/ Assignments	Cro	edits	No	orm		uation %)
Code			hrs/week h		GPA	NGPA	GPA	NGPA	CA	WE
Semester 5										
MT3082	Latex Science and Technology		2	3/2	3.0				30	70
Semester 6										
MT4202	Research Project(Polymer Related)		-	-	2.0				100	0
Semester 7										
MT4202	Research Project (Polymer Related)		-	-	3.0				100	0
MT4062	Industrial Polymer Process Engineering		2	3/1	3.0				30	70
MT4072	Design & Fabrication of Polymer Products		2.5	3/2	3.0				30	70
Semester 8										
MT4202	Research Project (Polymer Related)		-	-	3.0				100	0
MT4082	Dies and Moulds for Polymer Processing		2.5	3/2	3.0				30	70
MT4092	Polymer Process Control and Instrumentation		2	3/2	3.0				30	70

Modules offered for Minor in Entrepreneurship

Module Code	Module Name Cat	Category	Lectures hrs/week	Lab/ Assignments	Credits		Norm		Evaluation (%)	
Couc			III 5/ WCCK	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 2/	3									
MN1030	Entrepreneurship Skill Development		1	3/1		2.0			70	30
Semester 4										
MN2010	Entrepreneurial Leadership		1.5	3/2	2.0				50	50
Semester 5										
MN3010	Multidisciplinary Design, Innovation and Venture Creation		1.5	3/2	2.0				50	50
Semester 7										
MN3020	Entrepreneurship Business Basics		2	3/1	3.0				50	50
Semester 8		•	•					•		
MN4010	Business Plan Development		1.5	3/2	2.0				70	30