

SIVAS CUMHURİYET UNIVERSITY												
FACULTY OF TECHNOLOGY												
DEPARTMENT OF MANUFACTURING ENGINEERING - LECTURE PLAN FOR 8 SEMESTERS												
SEMESTER I						SEMESTER II						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
UTUR1001	Turkish Language-I	2	0	2	2	UTUR1002	Turkish Language-II	2	0	2	2	
YDIL1001	English-I	2	0	2	2	YDIL1002	English-II	2	0	2	2	
MMT155	General Mathematics-I	4	0	4	5	KPD1000	Career Planning	1	0	0	2	
FIZ111	General Physics-I	4	0	4	5	MMT156	General Mathematics-II	4	0	4	5	
KIM141	General Chemistry	3	0	3	4	FIZ112	General Physics-II	4	0	4	5	
UENF1100	Basic Information Technology	2	0	2	2	IMM104	Computer Aided Technical Drawing-I	3	1	4	4	
IMM101	Technical Drawing	3	1	4	4	IMM106	Conventional Manufacturing Technology	2	2	3	4	
IMM103	Occupational Health and Safety	2	0	2	2	IMM102	Manufacturing Processes	2	1	3	3	
IMM105	Materials Science	2	1	3	4	ADS-1	Non-Area Selectives	2	0	0	3	
Total Credits		24	2	26	30	Total Credits		22	4	22	30	
SEMESTER III						SEMESTER IV						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
DATA1001	Atatürk's Principles and History of Turkish Revolution	2	0	2	2	DATA1002	Atatürk's Principles and History of Turkish Revolution	2	0	2	2	
IMM201	Business English-I	2	0	2	3	IMM202	Business English-II	2	0	2	3	
IMM203	Engineering Mathematics	2	2	3	5	IMM204	Mechanics of Materials	3	0	3	3	
IMM205	Manufacturing Technology-I	2	2	3	4	IMM206	Welding Technology	2	2	3	5	
IMM207	Dynamics	3	0	3	4	IMM208	Manufacturing Technology-II	2	2	3	4	
IMM209	Statics	3	0	3	4	IMM210	Thermodynamics	2	1	3	4	
IMM211	Computer Aided Technical Drawing-II	3	1	4	5	IMM212	Knowledge of Electric-Electronic	2	0	2	3	
IMM213	Metallography	1	1	2	3	IMM214	Industrial Measuring Technique	1	1	2	3	
	Pedagogy Selectives-I	3	0	3	4	ADS-2	Non-Area Selectives	2	0	0	3	
Total credits		21	6	25	34	Total Credits		21	6	23	34	
SEMESTER V						SEMESTER VI						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM301	Material Test Techniques	1	1	2	4	IMM302	Fluid Mechanics	2	1	3	5	
IMM303	Machine Elements-I	2	1	3	5	IMM304	Casting Technology	2	1	3	4	
IMM305	Heat Transfer	2	1	3	4	IMM306	Welding Technique	2	1	3	4	
IMM307	Programming CNC Machines	2	2	3	5	IMM308	Machine Design	2	1	3	4	
IMM309	Machine Tools	2	1	3	4	IMM310	Machine Elements-II	2	1	3	5	
IMM211	Powder Metallurgy	1	1	2	3	MSD3002	Technical Selectives-II	1	1	2	3	
MSD3001	Technical Selectives-I	1	1	2	3	MSD3004	Technical Selectives-III	1	1	2	3	
MSD3003	Social Selectives-I	2	0	2	2	MSD3006	Social Selectives-II	2	0	2	2	
	Pedagogy Selectives-III	2	0	2	3		Pedagogy Selectives-V	3	0	3	4	
	Pedagogy Selectives-IV	3	0	3	4		Pedagogy Selectives-VI	3	0	3	4	
Total Credits		18	8	25	37	Total Credits		20	7	27	38	
SEMESTER VII						SEMESTER VIII						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM401	Workplace Education	5	20	15	20	IMM402	Factory Organization and Management	2	0	2	4	
IMM403	Internship Education-I	0	0	0	5	IMM404	Prototype Development	2	3	4	5	
IMM405	Internship Education-II	0	0	0	5	IMM406	Graduation Project	0	2	1	6	
						IMM408	Plastic Forming Techniques	2	1	3	4	
						MSD4002	Technical Selectives-IV	1	1	2	3	
						MSD4004	Technical Selectives-V	1	1	2	3	
						MSD4006	Technical Selectives-VI	1	1	2	3	
						SSD4002	Social Selectives-III	2	0	2	2	
							Pedagogy Selectives-VII	3	0	3	4	
							Pedagogy Selectives-VIII	2	0	2	3	
							Pedagogy Selectives-IX	1	8	5	10	
Total Credits		5	20	15	30	Total Credits		17	17	28	47	
						GRAND TOTAL		148	70	191	280	
TECHNICAL, SOCIAL AND PEDAGOGY SELECTIVES												
SEMESTER III - PEDAGOGY SELECTIVES-I						SEMESTER IV - PEDAGOGY SELECTIVES-II						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
	Introduction to Education	3	0	3	4	FOR202	Educational Psychology	3	0	3	4	
SEMESTER V - PEDAGOGY SELECTIVES-III						SEMESTER V - PEDAGOGY SELECTIVES-IV						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
	Classroom Management	2	0	2	3		Teaching Principles and Methods	3	0	3	4	
SEMESTER V - TECHNICAL SELECTIVES-I						SEMESTER V - SOCIAL SELECTIVES-I						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM301S	Modern Manufacturing Technologies	1	1	2	3	IMM315S	Production Planning	2	0	2	2	
IMM303S	Principles of Machining	1	1	2	3	IMM317S	Statistics	2	0	2	2	
IMM305S	Cutting Tool Design	1	1	2	3	IMM319S	Lean Manufacturing	2	0	2	2	
IMM307S	Introduction to Algorithms and Programming	1	1	2	3	IMM321S	Production and Service Systems	2	0	2	2	
IMM309S	Solid State Welding Techniques	1	1	2	3	IMM323S	Industrial Sociology	2	0	2	2	
IMM311S	Project Design	1	1	2	3	IMM325S	Scientific Research and Reporting	2	0	2	2	
IMM313S	Energy Management	1	1	2	3	IMM327S	Applied Entrepreneurship-I	2	0	2	2	
						IMM329S	Sign Language	2	0	2	2	
SEMESTER VI - PEDAGOGY SELECTIVES-V						SEMESTER VI - PEDAGOGY SELECTIVES-VI						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
FOR302	Counseling and Special Teaching	3	0	3	4	FOR304	Assessment and Evaluation in Education	3	0	3	4	
SEMESTER VI - TECHNICAL SELECTIVES-II						SEMESTER VI - TECHNICAL SELECTIVES-III						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM302S	Additive Manufacturing	1	1	2	3	IMM314S	Workplace Production Works	1	1	2	3	
IMM304S	Modern Welding Techniques	1	1	2	3	IMM316S	Construction of Machine Tools	1	1	2	3	
IMM306S	Industrial Hydraulic and Pneumatic Systems	1	1	2	3	IMM318S	Engineering Materials	1	1	2	3	
IMM310S	Lifting and Transporting Machines	1	1	2	3	IMM320S	Sheet Metal Forming Techniques	1	1	2	3	
IMM308S	Project Application	1	1	2	3	IMM322S	Industrial Product Design	1	1	2	3	
IMM312S	Heat Treatments	1	1	2	3	IMM324S	Computer Aided Manufacturing-I	1	1	2	3	
						IMM326S	Special Steels	1	1	2	3	
SEMESTER VI - SOCIAL SELECTIVES-II						SEMESTER VIII - PEDAGOGY SELECTIVES-VII						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM328S	Cost Analysis	2	0	2	2		Special Teaching Techniques	3	0	3	4	
IMM330S	Productivity Management	2	0	2	2							
IMM332S	Engineering Economics	2	0	2	2							
IMM334S	Industrial Management	2	0	2	2							
IMM336S	Ergonomics in Design	2	0	2	2							
IMM338S	Industrial Law and Safety	2	0	2	2							
IMM340S	Aggregate Quality Control	2	0	2	2							
IMM342S	Accounting and Marketing	2	0	2	2							
IMM344S	Applied Entrepreneurship-II	2	0	2	2							
SEMESTER VIII - TECHNICAL SELECTIVES-V						SEMESTER VIII - PEDAGOGY SELECTIVES-VIII						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM416S	Computer Aided Engineering Analysis	1	1	2	3	FOR402	Teaching Technologies	2	0	2	3	
IMM418S	Hydraulic Fluid and Energy Applications	1	1	2	3							
IMM420S	Computer Aided Design	1	1	2	3							
IMM422S	Welding Used Manufacturing	1	1	2	3							
IMM424S	Design in Manufacturing	1	1	2	3							
IMM426S	Alternative Energy Resources	1	1	2	3							
IMM428S	Corrosion	1	1	2	3							
SEMESTER VIII - SOCIAL SELECTIVES-III						SEMESTER VIII - PEDAGOGY SELECTIVES-IX						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM444S	Process Management and Improvement	2	0	2	2		Teaching Practice	1	8	5	10	
IMM446S	Human Resources and Wage Management	2	0	2	2							
IMM448S	Business Economics	2	0	2	2							
IMM450S	Creative Thinking and Design	2	0	2	2							
IMM452S	Resource Planning and Control	2	0	2	2							
IMM454S	Management Sociology	2	0	2	2							
IMM456S	Technical Translation	2	0	2	2							
IMM458S	Photography	2	0	2	2							
SEMESTER VIII - TECHNICAL SELECTIVES-VI						SEMESTER VIII - TECHNICAL SELECTIVES-VII						
CODE	COURSE TITLE	T	U	K	AKTS	CODE	COURSE TITLE	T	U	K	AKTS	
IMM430S	Robotics	1	1	2	3	IMM432S	Final Surfacing and Plating	1	1	2	3	
IMM432S	Final Surfacing and Plating	1	1	2	3	IMM434S	Automatic Control	1	1	2	3	
IMM434S	Automatic Control	1	1	2	3	IMM436S	Biotechnology	1	1	2	3	
IMM436S	Biotechnology	1	1	2	3	IMM438S	Artificial Intelligence and Its Applications	1	1	2	3	
IMM438S	Artificial Intelligence and Its Applications	1	1	2	3	IMM440S	Thermic Turbomachines	1	1	2	3	
IMM440S	Thermic Turbomachines	1	1	2	3	IMM442S	Quality Control	1	1	2	3	
IMM442S	Quality Control	1	1	2	3	IMM444S	Automotive Body and Surface Technologies	1	1	2	3	
IMM444S	Automotive Body and Surface Technologies	1	1	2	3							
Total Course Hours		218				Total Hours of Theoretical Courses		148				
Total Hours of Applied Courses		70				Total Hours of Applied Courses		70				
Total Credits		191				Total Credits		191				
AKTS		280				AKTS		280				
Percentage of Theoretical Courses (%)		68				Percentage of Theoretical Courses (%)		68				
Percentage of Applied Courses (%)		32				Percentage of Applied Courses (%)		32				