

T.R.
CUMHURİYET UNIVERSITY
TEKNOLOJY FAKULTY
MEKATRONİK ENGINEERING DEPARTMENT LESSON TABLE

Preparatory Program											
I. Semester						II. Semester					
Code	Course Title	L	P	C	ECTS	Code	Course Title	L	P	C	ECTS
BHT101	SCIENTIFIC PREPARATION-I	15	0	15		BHT102	SCIENTIFIC PREPARATION-II	15	0	15	
	MATHEMATICS	7	0	7			MATHEMATICS	7	0	7	
	PHYSICS	5	0	5			PHYSICS	5	0	5	
	CHEMISTRY	3	0	3			CHEMISTRY	3	0	3	
Total		15	0	15		Total		15	0	15	

1. CLASS											
I. Semester						II. Semester					
Code	Course Title	L	P	C	ECTS	Code	Course Title	L	P	C	ECTS
UTÜR1001	TURKISH LANGUAGE - I	2	0	2	2	UTÜR1002	TURKISH LANGUAGE - II	2	0	2	2
UYDİ1001	ENGLISH - I	2	0	2	2	UYDİ1002	ENGLISH - II	2	0	2	2
MAT1155	GENERAL MATHEMATICS - I	4	0	4	6	MAT1156	GENERAL MATHEMATICS - II	4	0	4	4
FİZ1111	GENERAL PHYSICS-I	4	0	4	5	FİZ1112	GENERAL PHYSICS - II	4	0	4	5
KİM1041	GENERAL CHEMISTRY	3	0	3	4	MKT1002	COMPUTER AIDED DESIGN	3	1	4	5
UENF1100	BASIC INFORMATION TECHNOLOGY USAGE	2	0	2	2	MKT1004	ELECTRICAL CIRCUITS	3	2	4	6
MKT1003	INTRODUCTION TO MECHATRONICS ENGINEERING	2	0	2	4	MKT1006	ENGINEERING MECHANICS	3	1	4	6
MKT1005	TECHNICAL DRAWING	3	1	4	5						
**	UNRESTRICTED ELECTIVE COURSE	2	0	0	0						
Total		24	1	23	30	Total		21	4	24	30

2. CLASS											
III.						IV.					
Code	Course Title	L	P	C	ECTS	Code	Course Title	L	P	C	ECTS
UATA1001	PRINCIPLES OF ATATÜRK AND HISTORY OF TURKISH REVOLUTION - I	2	0	2	2	UATA1002	PRINCIPLES OF ATATÜRK AND HISTORY OF TURKISH REVOLUTION - II	2	0	2	2
MAT2256	ENGINEERING MATHEMATICS	2	2	3	4	MKT2002	BUSINESS ENGLISH - II	2	2	3	3
MKT2001	BUSINESS ENGLISH - I	2	2	3	4	MKT2004	ELECTRONICS - II	3	2	4	6
MKT2003	ELECTRONICS - I	3	2	4	5	MKT2006	COMPUTER PROGRAMMING - II	2	2	3	5
MKT2005	COMPUTER PROGRAMMING - I	2	2	3	5	MKT2008	LOGIC CIRCUITS	2	2	3	6
MKT2007	STRENGTH OF MATERIALS	2	2	3	5	MKT2010	MANUFACTURING METHODS	2	0	2	4
MKT2009	MATERIAL SCIENCE	3	0	3	5	MKT2012	FLUID MECHANICS	2	0	2	4
Total		16	10	21	30	Total		15	8	19	30

3. CLASS											
V.						VI.					
Code	Course Title	L	P	C	ECTS	Code	Course Title	L	P	C	ECTS
MKT3001	SIGNALS AND SYSTEMS	3	2	4	6	MKT3002	SYSTEM DYNAMICS AND CONTROL	3	2	4	6
MKT3003	OCCUPATIONAL SAFETY AND HEALTH	2	0	2	2	MKT3004	MICROCONTROLLERS	2	2	3	5
MKT3005	ELECTRICAL MACHINES	3	2	4	6	MKT3006	POWER ELECTRONICS	3	2	4	6
MKT3007	SENSORS AND ACTUATORS	2	2	3	6	MKT3008	COMPUTER NETWORKS	2	2	3	5
MKT3009	MECHANISMS	2	1	3	5	MKT3010	HYDRAULIC AND PNEUMATIC SYSTEMS	2	1	3	3
MKT3011	PRACTICAL ENTREPRENEURSHIP-I	2	0	2	2	MKT3012	TOTAL QUALITY MANAGEMENT	2	0	2	3
MSD3001	SOCIAL ELECTIVES	2	0	2	3	MKT3014	PRACTICAL ENTREPRENEURSHIP-II	2	0	2	2
Total		16	7	20	30	Total		16	9	21	30

4. CLASS											
VII.						VIII.					
Code	Course Title	L	P	C	ECTS	Code	Course Title	L	P	C	ECTS
MKT4001	WORKPLACE EDUCATION	5	20	15	20	MKT4002	GRADUATION PROJECT	0	2	1	3
MKT4003(*)	INTERNSHIP EDUCATION - I	0	0	0	5	MKT4004	DIGITAL CONTROL	2	2	3	5
MKT4005(*)	INTERNSHIP EDUCATION - II	0	0	0	5	MKT4006	ROBOTICS	2	2	3	5
						MKT4008	STATISTICS AND PROBABILITY	2	1	3	4
						MKT4010	COMPUTER ARCHITECTURE	2	2	3	4
						MSD4002	TECHNICAL ELECTIVES - I	2	0	2	3
						MSD4004	TECHNICAL ELECTIVES - II	2	0	2	3
						MSD4006	TECHNICAL ELECTIVES - III	2	0	2	3
Total		5	20	15	30	Total		14	9	19	30

(*): Internships is conducted according to Faculty of Technology Practice Guidelines

SOCIAL ELECTIVE COURSE LIST	
MKT3013	BUSINESS MANAGEMENT AND ECONOMICS
MKT3015	PHOTOGRAPHY

TECHNICAL ELECTIVE COURSE LIST - I	
MKT4012	ADVANCED MANUFACTURING METHODS
MKT4014	INDUSTRIAL MEASUREMENT SYSTEMS
MKT4024	INDUSTRIAL DESIGN AND ANALYSIS
TECHNICAL ELECTIVE COURSE LIST - II	
MKT4016	ARTIFICIAL INTELLIGENCE
MKT4018	INTERNET PROGRAMMING
TECHNICAL ELECTIVE COURSE LIST - III	
MKT4020	INDUSTRIAL AUTOMATION
MKT4022	MICROPROCESSORS AND PROGRAMMING

Unrestricted Elective Course	
**	Will by chosen with advisor

Credit	: 162
Lecture	: 127 hours
Practice	: 68 hours
TOTAL (Lecture + Practice)	: 195 hours
ECTS	: 240
Lecture ratio %	: 65