



**AFYON KOCATEPE UNIVERSITY**  
**DEPARTMENT OF MECHATRONICS ENGINEERING**



**MASTER (MSc) PROGRAM**

**FIRST YEAR**

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKT-5501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKT-5601	THESIS PREPARATION	C	0	1	1	0	1	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
<b>TOTAL</b>			<b>20</b>	<b>1</b>	<b>21</b>	<b>12</b>	<b>30</b>	

SECOND SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKT-5502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKT-5602	THESIS PREPARATION	C	0	1	1	0	1	
MKT-5701	SEMINAR	C	0	2	2	0	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
<b>TOTAL</b>			<b>17</b>	<b>3</b>	<b>20</b>	<b>9</b>	<b>30</b>	



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**SECOND YEAR**

THIRD SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKT-5503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKT-5603	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	

FOURTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
MKT-5504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
MKT-5604	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	



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**ELECTIVE COURSES**

COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
FBE-5001	SCIENTIFIC RESEARCH AND METHODS	C	3	0	3	3	5
MKT-5001	MATERIAL SELECTION AND DESIGN	E	3	0	3	3	5
MKT-5002	IMPROVEMENT OF MATERIAL PROPERTIES I	E	3	0	3	3	5
MKT-5003	IMPROVEMENT OF MATERIAL PROPERTIES II	E	3	0	3	3	5
MKT-5004	DATA ACQUISITION AND PROCESS CONTROL	E	3	0	3	3	5
MKT-5005	ADVANCED MICROCONTROLLER APPLICATIONS	E	3	0	3	3	5
MKT-5006	INDUSTRIAL NETWORKS AND APPLICATIONS	E	3	0	3	3	5
MKT-5007	ADVANCED IMAGE PROCESSING APPLICATIONS	E	3	0	3	3	5
MKT-5008	FUZZY LOGIC CONTROL AND ADAPTATION SYSTEMS	E	3	0	3	3	5
MKT-5009	AUTONOMOUS VEHICLE SYSTEMS	E	3	0	3	3	5
MKT-5010	ARTIFICIAL LEARNING APPLICATIONS IN MECHATRONICS	E	3	0	3	3	5
MKT-5011	ARTIFICIAL VISION APPLICATIONS IN MECHATRONICS	E	3	0	3	3	5
MKT-5012	NATURAL LANGUAGE PROCESSING	E	3	0	3	3	5
MKT-5013	LINEAR SYSTEM THEORY	E	3	0	3	3	5
MKT-5014	NUMERICAL TECHNIQUES IN MECHATRONICS ENGINEERING	E	3	0	3	3	5
MKT-5015	SYSTEM MODELING WITH ARTIFICIAL NEURAL NETWORKS	E	3	0	3	3	5