



**AFYON KOCATEPE UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**DEPARTMENT OF STATISTICS**



**MASTER (MSc) PROGRAM**

**FIRST YEAR**

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
IST-5501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
IST-5601	THESIS PREPARATION	C	0	1	1	0	1	
IST-5001	RESEARCH METHODS AND STATISTICAL ANALYSIS METHODS	C	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	
IST-5502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
IST-5602	THESIS PREPARATION	C	0	1	1	0	1	
IST-5002	USING OF STATISTICAL PACKET PROGRAMS	C	3	0	3	3	5	
IST-5701	SEMINAR	C	0	2	2	0	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	
IST-5503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
IST-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	
IST-5504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
IST-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
IST-5003	ADVANCED REGRESSION ANALYSIS	E	3	0	3	3	5
IST-5004	MULTIVARIATE ANALYSIS OF VARIANCE	E	3	0	3	3	5
IST-5005	PROBABILITY THEORY	E	3	0	3	3	5
IST-5006	ECONOMETRIC MODELS	E	3	0	3	3	5
IST-5007	STATISTICAL THEORY	E	3	0	3	3	5
IST-5008	SIMULATION TECHNIQUES	E	3	0	3	3	5
IST-5009	OPTIMIZATION	E	3	0	3	3	5
IST-5010	FORECASTING METHODS	E	3	0	3	3	5
IST-5011	MULTIVARIATE STATISTICAL METHODS	E	3	0	3	3	5
IST-5012	MULTIVARIATE TIME SERIES	E	3	0	3	3	5
IST-5013	NONPARAMETRIC STATISTICAL TECHNIQUES	E	3	0	3	3	5
IST-5014	DISCRETE MULTIVARIATE ANALYSIS	E	3	0	3	3	5
IST-5015	ADVANCED LINEAR MODELS	E	3	0	3	3	5
IST-5016	VARIANCE COMPONENTS	E	3	0	3	3	5
IST-5017	STATISTICAL QUALITY CONTROL	E	3	0	3	3	5
IST-5018	SAMPLING METHODS	E	3	0	3	3	5
IST-5019	DATA ANALYSIS WITH STATISTICAL PACKAGE PROGRAMS	E	3	0	3	3	5
IST-5020	STOCHASTIC PROCESSES	E	3	0	3	3	5
IST-5021	NEURAL NETWORKS AND STATISTICS I	E	3	0	3	3	5
IST-5022	STOCHASTIC PROCESSES	E	3	0	3	3	5
IST-5023	SURVIVAL ANALYSIS	E	3	0	3	3	5
IST-5024	NEURAL NETWORKS AND STATISTICS II	E	3	0	3	3	5