



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



**MASTER (MSc) PROGRAM**

**FIRST YEAR**

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
HRT-5501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
HRT-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	
HRT-5502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
HRT-5602	THESIS PREPARATION	C	0	1	1	0	1	
HRT-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>	



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



**MASTER (MSc) PROGRAM**

**SECOND YEAR**

THIRD SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
HRT-5503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
HRT-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	
HRT-5504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
HRT-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>	



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



**GRADUATE PROGRAMS**

**ELECTIVE COURSES**

COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
FBE-5001	SCIENTIFIC RESEARCH AND METHODS	E	3	0	3	3	5
HRT-5001	PRECISE HEIGHT SURVEYING	E	3	0	3	3	5
HRT-5002	OPTIMIZATION OF GEODETIC NETWORKS	E	3	0	3	3	5
HRT-5003	MATHEMATICAL CARTOGRAPHY	E	3	0	3	3	5
HRT-5004	GLOBAL POSITIONING SYSTEM AND APPLICATIONS	E	3	0	3	3	5
HRT-5005	TOPOGRAPHIC MAP PROBLEMS	E	3	0	3	3	5
HRT-5006	DIGITAL TERRAIN MODELS	E	3	0	3	3	5
HRT-5007	PROJECT PLANNING IN SURVEYING	E	3	0	3	3	5
HRT-5008	THEMATIC CARTOGRAPHY	E	3	0	3	3	5
HRT-5009	SPATIAL ANALYSES APPLICATIONS IN GIS	E	3	0	3	3	5
HRT-5010	CLOSE RANGE PHOTOGRAMMETRY AND MACHINE VISION	E	3	0	3	3	5
HRT-5011	LASER SCANING TECHNOLOGY	E	3	0	3	3	5
HRT-5012	SPECIAL TOPICS IN ADJUSTMENT	E	3	0	3	3	5
HRT-5013	3D APPLICATIONS IN GEOGRAPHIC INFORMATION SYSTEM	E	3	0	3	3	5
HRT-5014	ADVANCED ENGINEERING SURVEYING	E	3	0	3	3	5
HRT-5015	ADVANCED DIGITAL IMAGE PROCESSING	E	3	0	3	3	5
HRT-5016	DATA PROCESSING METHODS AND SYSTEMS IN REMOTE SENSING	E	3	0	3	3	5
HRT-5017	SPATIAL ANALYSES IN GIS	E	3	0	3	3	5
HRT-5018	ADVANCED PHYSICAL GEODESY	E	3	0	3	3	5
HRT-5019	GEOID DETERMINATION METHODS	E	3	0	3	3	5
HRT-5020	GEODETIC CALCULATIONS ON ELLIPSOID	E	3	0	3	3	5
HRT-5021	HEIGHT SYSTEMS IN GEODESY	E	3	0	3	3	5
HRT-5022	MODELLING OF TECTONIC MOVEMENTS	E	3	0	3	3	5
EGT-6001	DEVELOPMENT AND LEARNING	E	3	0	3	3	5
EGT-6002	INSTRUCTIONAL PLANNING AND EVALUATION	E	3	0	3	3	5
HRT-6001	NEW APPLICATIONS ON THE ROUTE DESIGN	E	3	0	3	3	5
HRT-6002	ADVANCED HYDROGRAPHY SURVEY	E	3	0	3	3	5
HRT-6003	THE USE OF COLOR IN MAPPING	E	3	0	3	3	5
HRT-6004	DIGITAL CARTOGRAPHY	E	3	0	3	3	5



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



**GRADUATE PROGRAMS**

**ELECTIVE COURSES**

COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
HRT-6005	DATA QUALITY IN GEOGRAPHIC INFORMATION SYSTEM	E	3	0	3	3	5
HRT-6006	ANALYSIS OF DEFORMATION OBSERVATIONS	E	3	0	3	3	5
HRT-6007	RADAR AND MICROWAVE REMOTE SENSING	E	3	0	3	3	5
HRT-6008	STATISTIC ANALYSIS IN GEODESY	E	3	0	3	3	5
HRT-6009	ARTIFICIAL NEURAL NETWORKS AND APPLICATIONS IN GEODESY	E	3	0	3	3	5
HRT-6010	CALIBRATION OF THE PHOTOGRAMMETRIC DATA ACQUISITION EQUIPMENT	E	3	0	3	3	5
HRT-6011	ANALYSIS OF GEODETIC NETWORKS	E	3	0	3	3	5
HRT-6012	SPECIAL CONCEPTS IN GIS	E	3	0	3	3	5
HRT-6013	SPATIAL STATISTICS	E	3	0	3	3	5
HRT-6014	SPATIAL STATISTIC APPLICATIONS IN GIS	E	3	0	3	3	5
HRT-6015	DISASTER MANAGEMENT WITH GIS AND REMOTE SENSING	E	3	0	3	3	5
HRT-6016	SPACE GEODESY FOR EARTH SCIENCES	E	3	0	3	3	5
HRT-6017	GEODETIC MEASUREMENTS AND METHODS	E	3	0	3	3	5
HRT-6018	GEODETIC NETWORK DENSIFICATION	E	3	0	3	3	5
HRT-6019	ANALYSIS AND MONITORING OF DEFORMATIONS WITH SATELLITE TECHNOLOGIES	E	3	0	3	3	5
EGT-6001	DEVELOPMENT AND LEARNING	E	3	0	3	3	5
EGT-6002	INSTRUCTIONAL PLANNING AND EVALUATION	E	3	0	3	3	5