AFYON KOCATEPE UNIVERSITY

GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF ELECTRICAL EDUCATION

MASTER (MSc) PROGRAM

FIRST YEAR

FIRST SEMESTER							
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
ELK-5501	DIRECTED FIELD STUDIES	C	8	0	8	**0**	**9**
ELK-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**
T O T A L			**20**	**1**	**21**	**12**	**30**

SECOND SEMESTER							
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
ELK-5502	DIRECTED FIELD STUDIES	C	8	0	8	**0**	**9**
ELK-5602	THESIS PREPARATION	C	0	1	1	**0**	**1**
ELK-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**
T O T A L			**17**	**3**	**20**	**9**	**30**

* C : COMPULSORY - E : ELECTIVE - TH: THEORY - AP: APPLICATION - TO: TOTAL - CR: CREDIT - EC:ECTS

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SECOND YEAR

THIRD SEMESTER							
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
ELK-5503	DIRECTED FIELD STUDIES	C	8	0	8	**0**	**9**
ELK-5603	THESIS	C	0	1	1	**0**	**21**
T O T A L			**8**	**1**	**9**	**0**	**30**

FOURTH SEMESTER							
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
ELK-5504	DIRECTED FIELD STUDIES	C	8	0	8	**0**	**9**
ELK-5604	THESIS	C	0	1	1	**0**	**21**
T O T A L			**8**	**1**	**9**	**0**	**30**

* C : COMPULSORY - E : ELECTIVE - TH: THEORY - AP: APPLICATION - TO: TOTAL - CR: CREDIT - EC:ECTS

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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**
ELK-5001	ENGINEERING MATHEMATICS	E	3	0	3	**3**	**5**
ELK-5002	POWER SYSTEM ANALYSIS I	E	3	0	3	**3**	**5**
ELK-5003	POWER SYSTEM ANALYSIS II	E	3	0	3	**3**	**5**
ELK-5004	COMPUTER PROGRAMMING LANGUAGES	E	3	0	3	**3**	**5**
ELK-5005	DYNAMICS OF ELECTRIC MACHINES II	E	3	0	3	**3**	**5**
ELK-5006	ANALYSIS OF CONTROL SYSTEMS II	E	3	0	3	**3**	**5**
ELK-5007	FUZZY LOGIC APPLICATIONS II	E	3	0	3	**3**	**5**
ELK-5008	ASYNCHRONOUS MOTOR CONTROL I	E	3	0	3	**3**	**5**
ELK-5009	ASYNCHRONOUS MOTOR CONTROL II	E	3	0	3	**3**	**5**
ELK-5010	APPLICATIONS OF ARTIFICIAL INTELLIGENCE I	E	3	0	3	**3**	**5**
ELK-5011	APPLICATIONS OF ARTIFICIAL INTELLIGENCE II	E	3	0	3	**3**	**5**
ELK-5012	POWER SYSTEM CONTROL	E	3	0	3	**3**	**5**
ELK-5013	COMPUTER BASED CIRCUIT ANALYSIS	E	3	0	3	**3**	**5**
ELK-5014	GENETIC ALGORITHMS	E	3	0	3	**3**	**5**
ELK-5015	POWER SYSTEM STABILITY	E	3	0	3	**3**	**5**
ELK-5016	SYSTEM ANALYSIS AND DESIGN	E	3	0	3	**3**	**5**
ELK-5017	MECHATRONICS	E	3	0	3	**3**	**5**
ELK-5018	SOLUTION OF ENGINEERING PROBLEMS USING MATLAB	E	3	0	3	**3**	**5**
ELK-5019	DYNAMICS OF ELECTRIC MACHINES I	E	3	0	3	**3**	**5**
ELK-5020	POWER SYSTEM HARMONICS	E	3	0	3	**3**	**5**
ELK-5021	ANALYSIS OF CONTROL SYSTEMS I	E	3	0	3	**3**	**5**
ELK-5022	FUZZY LOGIC APPLICATIONS I	E	3	0	3	**3**	**5**
ELK-5023	FINITE ELEMENT METHODS IN ELECTRICITY	E	3	0	3	**3**	**5**

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