

## Alanya Alaaddin Keykubat Üniversitesi RAFET KAYIS FACULTY OF ENGINEERING DEPARTMENT OF COMPUTER ENGINEERING BİLGİSAYAR MÜHENDİSLİĞİ (İNG.)

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Course Code	1.Semester Course Plan  Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 101	PRINCIPLES OF ATATURK AND TURKISH REVOLUTION HISTORY I	2+0+0	Compulsory	2
COM 101	MATHEMATICS I	4+0+0	Compulsory	5
COM 101	PHYSICS I	3+0+1	Compulsory	5
COM 105	LINEAR ALGEBRA	3+0+0	Compulsory	4
COM 103	COMPUTER SCIENCES	3+2+0	Compulsory	6
COM 107	INTRODUCTION TO COMPUTER ENGINEERING	1+0+0	Compulsory	2
TDB 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
SEC 101	NON-TECHNICAL ELECTIVE COURSE	3+0+0	Elective	4
320 101	NON-TECHNICAL ELECTIVE COOKSE	31010	Total ECTS	30
	Course Groups		Total E010	30
SEC 101.1	ECONOMICS CONTRACTOR C	3+0+0	Elective	4
SEC 101.10	LANGUAGE ACQUISITION	3+0+0	Elective	4
SEC 101.11	ORGANIZATIONAL BEHAVIOUR	3+0+0	Elective	4
SEC 101.12	LABOUR LAW	3+0+0	Elective	4
SEC 101.13	HUMAN RESOURCES MANAGEMENT	3+0+0	Elective	4
SEC 101.14	MANAGEMENT PSYCHOLOGY	3+0+0	Elective	4
SEC 101.15	IT LAW	3+0+0	Elective	4
SEC 101.16	BASIC PHILOSOPHY OF SCIENCE	3+0+0	Elective	4
SEC 101.2	ENTREPRENEURSHIP	3+0+0	Elective	4
SEC 101.3	INNOVATION MANAGEMENT	3+0+0	Elective	4
SEC 101.4	ACADEMIC LANGUAGE SKILLS	3+0+0	Elective	4
SEC 101.5	TECHNOLOGY AND ETHICS	3+0+0	Elective	4
SEC 101.6	SOCIAL PSYCHOLOGY	3+0+0	Elective	4
SEC 101.7	EFFECTIVE COMMUNICATION SKILLS	3+0+0	Elective	4
SEC 101.8	PRONOUNCIATION SKILLS	3+0+0	Elective	4
SEC 101.9	LISTENING AND SPEAKING	3+0+0	Elective	4
	2.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 102	PRINCIPLES OF ATATURK AND TURKISH REVOLUTION HISTORY II	2+0+0	Compulsory	2
COM 102	MATHEMATICS II	4+0+0	Compulsory	5
COM 104	PHYSICS II	3+0+1	Compulsory	5
COM 106	DISCRETE MATHEMATICS	3+0+0	Compulsory	4
COM 108	INTRODUCTION TO PROGRAMMING	3+0+2	Compulsory	6
TDB 102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
SEC 102	ELECTIVE COURSE I (OUT OF AREA)	2+0+0	Elective	2
SEC 104	NON-TECHNICAL ELECTIVE COURSE	3+0+0	Elective	4
			Total ECTS	30
1/22 101	Course Groups	2.2.2	E	
KRP 101	CARRIER PLANNING	2+0+0	Elective	2
SEC 102.1	HISTORY OF ART	2+0+0	Elective	2
SEC 102.10	BASKETBALL	2+0+0	Elective	2
SEC 102.11	TENNIS	2+0+0	Elective	2
SEC 102.12	TABLE TENNIS	2+0+0	Elective	2
SEC 102.13	FOLK DANCES	2+0+0	Elective	2
SEC 102.14	MUSIC CULTURE	2+0+0	Elective	2
SEC 102.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 102.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 102.17	HEALTHY LIVING	2+0+0	Elective	2 2
SEC 102.18	NUTRITION	2+0+0	Elective	
SEC 102.19	MEDIA LITERACY	2+0+0	Elective	2 2
SEC 102.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0 2+0+0	Elective	2
SEC 102.20	MATHEMATICAL ESTHETICS INDUSTRIAL DESIGN	2+0+0 2+0+0	Elective	2
SEC 102.21 SEC 102.22	BASIC PHOTOGRAPHY	2+0+0 2+0+0	Elective	2
SEC 102.22 SEC 102.23	SURFING	2+0+0 2+0+0	Elective Elective	2
SEC 102.23 SEC 102.24	JAPANESE I	2+0+0 2+0+0	Elective	2
SEC 102.24 SEC 102.25	JAPANESE I	2+0+0 2+0+0	Elective	2
SEC 102.25 SEC 102.26	MYTHOLOGY	2+0+0	Elective	2
SEC 102.20	WITHIOLOGI	ZTUTU	Elective	2

SEC 102.27	ANCIENT CITY	2+0+0	Elective	2
SEC 102.28	SOCIOLOGY	2+0+0	Elective	2
SEC 102.29	PHILOSOPHY	2+0+0	Elective	2
SEC 102.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 102.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 102.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 102.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 102.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 102.34	DIET AND EFFECTS	2+0+0	Elective	2
SEC 102.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 102.36	ORGANIC AGRICULTE	2+0+0	Elective	2
SEC 102.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 102.5	BASIC FIRST AID AND EMERGENCY	2+0+0	Elective	2
SEC 102.6	ARCHERY	2+0+0	Elective	2
SEC 102.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 102.8	FOOTBALL	2+0+0	Elective	2
SEC 102.9	VOLLEYBALL	2+0+0	Elective	2
				4
SEC 104.1	ECONOMICS	3+0+0	Elective	
SEC 104.10	LANGUAGE ACQUISITION	3+0+0	Elective	4
SEC 104.11	ORGANIZATIONAL BEHAVIOUR	3+0+0	Elective	4
SEC 104.12	LABOUR LAW	3+0+0	Elective	4
SEC 104.13	HUMAN RESOURCES MANAGEMENT	3+0+0	Elective	4
				-
SEC 104.14	MANAGEMENT PSYCHOLOGY	3+0+0	Elective	4
SEC 104.15	IT LAW	3+0+0	Elective	4
SEC 104.16	BASIC PHILOSOPHY OF SCIENCE	3+0+0	Elective	4
SEC 104.2	ENTREPRENEURSHIP	3+0+0	Elective	4
	INNOVATION MANAGEMENT			-
SEC 104.3		3+0+0	Elective	4
SEC 104.4	ACADEMIC LANGUAGE SKILLS	3+0+0	Elective	4
SEC 104.5	TECHNOLOGY AND ETHICS	3+0+0	Elective	4
SEC 104.6	SOCIAL PSYCHOLOGY	3+0+0	Elective	4
SEC 104.7	EFFECTIVE COMMUNICATION SKILLS	3+0+0	Elective	4
				-
SEC 104.8	PRONOUNCIATION SKILLS	3+0+0	Elective	4
SEC 104.9	LISTENING AND SPEAKING	3+0+0	Elective	4
	3.Semester Course Plan			
	J. Jennester Course Flan			
Course Code		T+A+L	Compulsory/Elective	ECTS
	Course Name	T+A+L 3+0+0	Compulsory/Elective	ECTS
COM 201	Course Name DATA STRUCTURES AND ALGORITHMS	3+0+0	Compulsory	5
COM 201 COM 203	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS	3+0+0 3+0+0		5 5
COM 201	Course Name DATA STRUCTURES AND ALGORITHMS	3+0+0	Compulsory	5
COM 201 COM 203	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS	3+0+0 3+0+0	Compulsory Compulsory	5 5
COM 201 COM 203 COM 205 COM 205L	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY	3+0+0 3+0+0 3+0+0 0+0+2	Compulsory Compulsory Compulsory Compulsory	5 5 5 2
COM 201 COM 203 COM 205 COM 205L COM 207	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 5
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 5 2 5 4
COM 201 COM 203 COM 205 COM 205L COM 207	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 5 2
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 5 2 5 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 2 5 4 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective	5 5 2 5 4 4 0
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS	5 5 2 5 4 4 0
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS	5 5 5 2 5 4 4 0 30
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS	5 5 2 5 4 4 0
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS	5 5 5 2 5 4 4 0 30
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective	5 5 5 2 5 4 4 0 30
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS	5 5 5 2 5 4 4 0 30
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective	5 5 5 2 5 4 4 0 30
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory/Elective Compulsory	5 5 5 2 5 4 4 0 30 4 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory/Elective Compulsory Compulsory	5 5 5 2 5 4 4 0 30 4 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204L	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory/Elective Compulsory Compulsory Compulsory Compulsory	5 5 5 2 5 4 4 0 30 4 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory/Elective Compulsory Compulsory	5 5 5 2 5 4 4 0 30 4 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204L	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory/Elective Compulsory Compulsory Compulsory Compulsory	5 5 5 2 5 4 4 0 30 4 4
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204L COM 206	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory/Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 5 2 5 4 4 0 30 4 4
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	5 5 5 2 5 4 4 0 30 4 4 4
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4. Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective	5 5 5 2 5 4 4 0 30 4 4 4
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective	5 5 5 2 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 5 6 5 5 2 5 5 6 5 5 5 6 5 5 5 6 5 6
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective	5 5 5 2 5 4 4 0 30 4 4 4
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4. Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective	5 5 5 2 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 5 6 5 5 2 5 5 6 5 5 5 6 5 5 5 6 5 6
COM 201 COM 203 COM 205 COM 205 COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective	5 5 5 2 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 5 6 5 5 2 5 5 6 5 5 5 6 5 5 5 6 5 6
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 204 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR SEC 201	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective	5 5 5 2 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 0 5 30 30 30 30 30 30 30 30 30 30 30 30 30
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 204 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+2 3+0+0 2+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective  Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective	5 5 5 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 0 5 30 30 30 30 30 30 30 30 30 30 30 30 30
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 204 COM 204 COM 204 COM 204 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204 SEC 201.1	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  COURSE GROUPS  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS  HUMAN-COMPUTER INTERACTION AND USABILITY	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 4+0+0 1+0+0 1+0+0 2+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective  Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	5 5 5 5 2 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 0 5 5 2 0 5 5 2 0 5 5 2 0 5 5 2 0 5 5 3 0 5 5 2 0 5 5 5 2 0 5 5 5 5 5 5 5 5 5 5
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 204 COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  COURSE GROUPS  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS  HUMAN-COMPUTER INTERACTION AND USABILITY  WEB-BASED PROGRAMMING	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+2 3+0+0 4+0+0 1+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective  Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective	5 5 5 5 2 5 4 4 0 30 4 4 4 5 5 5 2 5 5 2 5 5 2 0 5 5 5 5 5 5 5 5 5
COM 201 COM 203 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 204 COM 204 COM 204 COM 204 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204 SEC 201.1	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  COURSE GROUPS  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS  HUMAN-COMPUTER INTERACTION AND USABILITY	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 4+0+0 1+0+0 1+0+0 2+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective  Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	5 5 5 5 2 5 4 4 0 30 4 4 4 ECTS 6 5 2 5 5 2 0 5 5 2 0 5 5 2 0 5 5 2 0 5 5 2 0 5 5 3 0 5 5 2 0 5 5 5 2 0 5 5 5 5 5 5 5 5 5 5
COM 201 COM 203 COM 205 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  Course Code COM 202 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204 SEC 201.1 SEC 201.2	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ  COURSE GROUPS  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS  HUMAN-COMPUTER INTERACTION AND USABILITY  WEB-BASED PROGRAMMING	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+2 3+0+0 4+0+0 1+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	5 5 5 5 2 5 4 4 0 30 4 4 4 5 5 5 2 5 5 2 5 5 2 0 5 5 5 5 5 5 5 5 5
COM 201 COM 203 COM 205 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  COURSE CODE COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204 SEC 201.1 SEC 201.2 SEC 201.3	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ   Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS  HUMAN-COMPUTER INTERACTION AND USABILITY  WEB-BASED PROGRAMMING  MOBILE APPLICATION DEVELOPMENT	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	5 5 5 5 2 5 4 4 0 30 4 4 4 5 5 5 2 5 5 2 0 5 5 3 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
COM 201 COM 203 COM 205 COM 205 COM 205L COM 207 COM 209 COM 211 FOR2GÜZ  FOR 201 FOR 203  COURSE CODE COM 204 COM 204 COM 204 COM 206 COM 208 COM 210 FOR2BAHAR SEC 201  FOR 202 FOR 204 SEC 201.1 SEC 201.2 SEC 201.3	Course Name  DATA STRUCTURES AND ALGORITHMS  ELECTRONICS FOR COMPUTER ENGINEERS  DIGITAL LOGIC DESIGN  DIGITAL LOGIC DESIGN LABORATORY  OBJECT ORIENTED PROGRAMMING  PROBABILITY AND STATISTICS  NUMERICAL METHODS  FOR2GÜZ   Course Groups  EDUCATION  TEACHING PRINCIPLES AND METHODS  4.Semester Course Plan  Course Name  PROGRAMMING LANGUAGES  DIGITAL LOGIC SYSTEMS  DIGITAL LOGIC SYSTEMS LABORATORY  DATA MANAGEMENT AND FILE STRUCTURES  DIFFERENTIAL EQUATIONS  ENGINEERING ETHICS  FOR2BAHAR  ELECTIVE COURSE (TECHNICAL COURSE)  Course Groups  CLASS MANAGEMENT  SPECIAL TEACHING METHODS  HUMAN-COMPUTER INTERACTION AND USABILITY  WEB-BASED PROGRAMMING  MOBILE APPLICATION DEVELOPMENT	3+0+0 3+0+0 3+0+0 0+0+2 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 0+0+0  T+A+L 3+0+0 3+0+0 0+0+2 3+0+0 4+0+0 1+0+0 0+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Total ECTS  Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	5 5 5 5 2 5 4 4 0 30 4 4 4 5 5 5 2 5 5 2 0 5 5 3 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

Course Code COM 301	Course Name	T+A+L	Compulsory/Elective	ECT
	INTERNSHIP I	0+0+0	Compulsory	2
COM 303	COMPUTER ARCHITECTURE	3+0+0	Compulsory	6
			. ,	
COM 305	SOFTWARE ENGINEERING	3+0+0	Compulsory	5
COM 307	OPERATING SYSTEMS	3+0+0	Compulsory	5
COM 307L	OPERATING SYSTEMS LABORATORY	0+0+1	Compulsory	1
COM 309	ALGORITHMS AND ANALYSIS OF ALGORITHMS	3+0+0	Compulsory	5
FOR3GÜZ	FOR3GÜZ	0+0+0	Elective	0
SEC 301	ELECTIVE COURSE (TECHNICAL COURSE)	3+0+0	Elective	4
	,			
SEC 303	NON-TECHNICAL ELECTIVE COURSE	3+0+0	Elective	4
			Total ECTS	32
	Course Groups			
FOR 301	GUIDANCE AND SPECIAL EDUCATION	3+0+0	Elective	4
FOR 303	ASSESSMENT AND EVALUATION IN EDUCATION	3+0+0	Elective	4
SEC 301.1	OPERATIONS RESEARCH	3+0+0	Elective	4
SEC 301.2	MODERN APPROACHES TO SOFTWARE DEVELOPMENT	3+0+0	Elective	4
				-
SEC 301.3	SOCIAL NETWORK AND SOCIAL NETWORK ANALYSIS	3+0+0	Elective	4
SEC 301.4	INTRODUCTION TO E-COMMERCE	3+0+0	Elective	4
SEC 303.1	ECONOMICS	3+0+0	Elective	4
SEC 303.10	LANGUAGE ACQUISITION	3+0+0	Elective	4
SEC 303.11	ORGANIZATIONAL BEHAVIOUR	3+0+0	Elective	4
				-
SEC 303.12	LABOUR LAW	3+0+0	Elective	4
SEC 303.13	HUMAN RESOURCES MANAGEMENT	3+0+0	Elective	4
SEC 303.14	MANAGEMENT PSYCHOLOGY	3+0+0	Elective	4
SEC 303.15	IT LAW	3+0+0	Elective	4
SEC 303.16	BASIC PHILOSOPHY OF SCIENCE	3+0+0	Elective	4
				-
SEC 303.2	ENTREPRENEURSHIP	3+0+0	Elective	4
SEC 303.3	INNOVATION MANAGEMENT	3+0+0	Elective	4
SEC 303.4	ACADEMIC LANGUAGE SKILLS	3+0+0	Elective	4
SEC 303.5	TECHNOLOGY AND ETHICS	3+0+0	Elective	4
SEC 303.6	SOCIAL PSYCHOLOGY	3+0+0	Elective	4
				-
SEC 303.7	EFFECTIVE COMMUNICATION SKILLS	3+0+0	Elective	4
SEC 303.8	PRONOUNCIATION SKILLS	3+0+0	Elective	4
SEC 303.9	LISTENING AND SPEAKING	3+0+0	Elective	4
	6.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECT
COM 302	AUTOMATA THEORY AND FORMAL LANGUAGES	3+0+0	Compulsory	6
COM 304	MICROPROCESSORS	3+0+0	Compulsory	6
COM 304L	MICROPROCESSORS LABORATORY	0+0+2	Compulsory	2
COM 306	COMPUTER NETWORKS	3+0+0	Compaidory	_
			Compulsory	6
			Compulsory	6
JUIVI 308	DATABASE MANAGEMENT SYSTEMS	3+0+0	Compulsory Compulsory	6 6
	DATABASE MANAGEMENT SYSTEMS FOR3BAHAR			
OR3BAHAR		3+0+0	Compulsory	6
OR3BAHAR	FOR3BAHAR	3+0+0 0+0+0	Compulsory Elective	6 0 4
OR3BAHAR	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE	3+0+0 0+0+0	Compulsory Elective Elective	6 0 4
FOR3BAHAR SEC 302	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups	3+0+0 0+0+0 3+0+0	Compulsory Elective Elective Total ECTS	6 0 4 30
FOR3BAHAR SEC 302 FOR 302	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY	3+0+0 0+0+0 3+0+0 3+0+0	Compulsory Elective Elective Total ECTS Elective	6 0 4 30
FOR3BAHAR SEC 302 FOR 302 FOR 304	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0	Compulsory Elective Elective Total ECTS  Elective Elective	6 0 4 30 4 3
FOR3BAHAR SEC 302 FOR 302 FOR 304	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY	3+0+0 0+0+0 3+0+0 3+0+0	Compulsory Elective Elective Total ECTS Elective	6 0 4 30
FOR 302 FOR 304 BEC 302.1	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0	Compulsory Elective Elective Total ECTS  Elective Elective	6 0 4 30 4 3
FOR 302 FOR 304 SEC 302.1 SEC 302.10	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0	Compulsory Elective Elective Total ECTS  Elective Elective Elective	6 0 4 30 4 3 4
FOR 302 FOR 302 FOR 304 SEC 302.10 SEC 302.11	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Total ECTS  Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.11 SEC 302.11 SEC 302.12	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Total ECTS  Elective Elective Elective Elective Elective Elective Elective	6 0 4 300 4 3 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.11 SEC 302.12 SEC 302.13	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.11 SEC 302.12 SEC 302.13	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Total ECTS  Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.14 SEC 302.15 SEC 302.16	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.2	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.14 SEC 302.14 SEC 302.16 SEC 302.2 SEC 302.3	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.12 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.2 SEC 302.3	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.16 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.4	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.16 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.4 SEC 302.5	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.14 SEC 302.16 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.4 SEC 302.5 SEC 302.6	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.4 SEC 302.5 SEC 302.6 SEC 302.7	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY EFFECTIVE COMMUNICATION SKILLS	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 304 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.4 SEC 302.4 SEC 302.7 SEC 302.7 SEC 302.8	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY EFFECTIVE COMMUNICATION SKILLS PRONOUNCIATION SKILLS	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.1 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.6 SEC 302.7 SEC 302.7 SEC 302.8	FOR3BAHAR NON-TECHNICAL ELECTIVE COURSE  Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY EFFECTIVE COMMUNICATION SKILLS	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.3 SEC 302.4 SEC 302.5 SEC 302.7 SEC 302.7 SEC 302.8	Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY EFFECTIVE COMMUNICATION SKILLS PRONOUNCIATION SKILLS LISTENING AND SPEAKING	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.3 SEC 302.4 SEC 302.5 SEC 302.7 SEC 302.8 SEC 302.9	Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY EFFECTIVE COMMUNICATION SKILLS PRONOUNCIATION SKILLS LISTENING AND SPEAKING	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Compulsory Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FOR 302 FOR 302 FOR 304 SEC 302.10 SEC 302.11 SEC 302.12 SEC 302.13 SEC 302.14 SEC 302.15 SEC 302.16 SEC 302.2 SEC 302.3 SEC 302.3 SEC 302.4 SEC 302.5 SEC 302.6 SEC 302.7	Course Groups  EDUCATION PSYCHOLOGY TEACHING TECHNOLOGIES ECONOMICS LANGUAGE ACQUISITION ORGANIZATIONAL BEHAVIOUR LABOUR LAW HUMAN RESOURCES MANAGEMENT MANAGEMENT PSYCHOLOGY IT LAW BASIC PHILOSOPHY OF SCIENCE ENTREPRENEURSHIP INNOVATION MANAGEMENT ACADEMIC LANGUAGE SKILLS TECHNOLOGY AND ETHICS SOCIAL PSYCHOLOGY EFFECTIVE COMMUNICATION SKILLS PRONOUNCIATION SKILLS LISTENING AND SPEAKING	3+0+0 0+0+0 3+0+0 3+0+0 2+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0 3+0+0	Elective Elective	6 0 4 30 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4

ISG 401	OCCUPATIONAL HEALTH AND SAFETY I	2+0+0	Compulsory	2
FOR4GÜZ	FOR4GÜZ	0+0+0	Elective	0
SEC 401			Elective	
	ELECTIVE COURSE (TECHNICAL COURSE)	3+0+0		18
SEC 403	NON-TECHNICAL ELECTIVE COURSE	3+0+0	Elective	4
	Course Croups		Total ECTS	33
FOD 404C	Course Groups	1.0.0	Floative	10
FOR 401G	TEACHING PRACTICE	1+8+0	Elective	10
MTH 401.25	INTRODUCTION TO INFORMATION SECURITY	3+0+0	Elective	6
SEC 401.1	BASIC METHODS AND PRINCIPLES IN IMAGE PROCESSING	3+0+0	Elective	6
SEC 401.10	ADVANCED TOPICS IN HUMAN COMPUTER INTERACTION AND USABILITY	3+0+0	Elective	6
SEC 401.11	GAME THEORY	3+0+0	Elective	6
SEC 401.12	DISTRIBUTED SYSTEMS	3+0+0	Elective	6
SEC 401.13	DATA SCIENCE	3+0+0	Elective	6
SEC 401.14	ADVANCED COMPUTER ARCHITECTURE	3+0+0	Elective	6
SEC 401.15	REAL TIME SYSTEMS	3+0+0	Elective	6
SEC 401.16	INFORMATION THEORY	3+0+0	Elective	6
SEC 401.17	INTRODUCTION TO WIRELESS AND MOBILE NETWORKS	3+0+0	Elective	6
SEC 401.18	DESIGN PATTERNS	3+0+0	Elective	6
SEC 401.19	EMBEDDED SYSTEMS	3+0+0	Elective	6
SEC 401.2	ARTIFICIAL INTELLIGENCE	3+0+0	Elective	6
SEC 401.20	INTRODUCTION TO COMPILERS	3+0+0	Elective	6
SEC 401.21	NANOTECHNOLOGIES	3+0+0		6
			Elective	
SEC 401.22	SOFTWARE ENGINEERING PROJECT MANAGEMENT	3+0+0	Elective	6
SEC 401.23	STATISTICAL LEARNING AND DATA ANALYSIS	3+0+0	Elective	6
SEC 401.24	INTRODUCTION TO HIGH PERFORMANCE COMPUTING	3+0+0	Elective	6
SEC 401.3	ADVANCED DATABASE MANAGEMENT SYSTEMS	3+0+0	Elective	6
SEC 401.4	INTRODUCTION TO PARALLEL PROGRAMMING	3+0+0	Elective	6
SEC 401.5	INTRODUCTION TO DATA MINING	3+0+0	Elective	6
SEC 401.6	COMPUTER GRAPHICS	3+0+0	Elective	6
SEC 401.7	SYSTEMS PROGRAMMING	3+0+0	Elective	6
SEC 401.8	NETWORK SECURITY PROGRAMMING AND CRYPTOGRAPHY	3+0+0	Elective	6
SEC 401.9	ADVANCED ALGORITHMS	3+0+0	Elective	6
SEC 403.1	ECONOMICS	3+0+0	Elective	4
SEC 403.10	LANGUAGE ACQUISITION	3+0+0	Elective	4
SEC 403.11	ORGANIZATIONAL BEHAVIOUR	3+0+0	Elective	4
SEC 403.12	LABOUR LAW	3+0+0	Elective	4
SEC 403.12	HUMAN RESOURCES MANAGEMENT	3+0+0	Elective	4
SEC 403.13 SEC 403.14	MANAGEMENT PSYCHOLOGY	3+0+0	Elective	4
				-
SEC 403.15	IT LAW	3+0+0	Elective	4
SEC 403.16	BASIC PHILOSOPHY OF SCIENCE	3+0+0	Elective	4
SEC 403.2	ENTREPRENEURSHIP	3+0+0	Elective	4
SEC 403.3	INNOVATION MANAGEMENT	3+0+0	Elective	4
SEC 403.4	ACADEMIC LANGUAGE SKILLS	3+0+0	Elective	4
SEC 403.5	TECHNOLOGY AND ETHICS	3+0+0	Elective	4
SEC 403.6	SOCIAL PSYCHOLOGY	3+0+0	Elective	4
SEC 403.7	EFFECTIVE COMMUNICATION SKILLS	3+0+0	Elective	4
SEC 403.8	PRONOUNCIATION SKILLS	3+0+0	Elective	4
SEC 403.9	LISTENING AND SPEAKING	3+0+0	Elective	4
	8.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COM 402	GRADUATION DESIGN PROJECT	0+6+0	Compulsory	7
ISG 402	OCCUPATIONAL HEALTH AND SAFETY II	1+0+0	Compulsory	2
FOR4BAHAR	FOR4BAHAR	0+0+0	Elective	0
SEC 402	ELECTIVE COURSE (TECHNICAL COURSE)	3+0+0	Elective	15
SEC 404	NON-TECHNICAL ELECTIVE COURSE	3+0+0	Elective	4
SEC 406	ELECTIVE COURSE II (OUT OF AREA)	2+0+0	Elective	2
			Total ECTS	30
	Course Groups			
FOR 401B	TEACHING PRACTICE	1+8+0	Elective	10
MTH 402.24	NETWORK SECURITY WITH OPEN SOURCE TOOLS	3+0+0	Elective	5
SEC 402.1	FUNDAMENTALS OF COMPUTER VISION	3+0+0	Elective	5
SEC 402.10	INTRODUCTION TO ROBOT TECHNOLOGY	3+0+0	Elective	5
SEC 402.11	GRAPH THEORY	3+0+0	Elective	5
SEC 402.12	CLOUD COMPUTING	3+0+0	Elective	5
SEC 402.12	INTERNET OF THINGS	3+0+0	Elective	5
SEC 402.13 SEC 402.14	EXPERT SYSTEMS	3+0+0		5
			Elective	
SEC 402.15	INTRODUCTION TO CRYPTOGRAPHY	3+0+0	Elective	5 5
SEC 402.16	DISTANCE LEARNING TECHNOLOGIES	3+0+0	Elective	5

050 400 47	CVCTEM CIMILI ATION	0.0.0	Election	_
SEC 402.17	SYSTEM SIMULATION	3+0+0	Elective	5
SEC 402.18	FUZZY LOGIC	3+0+0	Elective	5
SEC 402.19	SOFTWARE ARCHITECTURE DESIGN	3+0+0	Elective	5
SEC 402.2	GAME TECHNOLOGIES	3+0+0	Elective	5
SEC 402.20	SOFTWARE VERIFICATION AND VALIDATION	3+0+0	Elective	5
SEC 402.21	INTRODUCTION TO NATURAL LANGUAGE PROCESSING	3+0+0	Elective	5
SEC 402.22	THEORY OF COMPUTATION	3+0+0	Elective	5
				5
SEC 402.23	MANAGEMENT INFORMATION SYSTEMS	3+0+0	Elective	
SEC 402.3	PATTERN RECOGNITION	3+0+0	Elective	5
SEC 402.4	FUNDAMENTALS OF MACHINE LEARNING	3+0+0	Elective	5
SEC 402.5	SPATIAL INFORMATION SYSTEMS	3+0+0	Elective	5
SEC 402.6	COMPUTING FOR MEDICINE	3+0+0	Elective	5
SEC 402.7	SEMANTIC WEB	3+0+0	Elective	5
SEC 402.8	INFORMATION SECURITY	3+0+0	Elective	5
				5
SEC 402.9	BIOINFORMATICS	3+0+0	Elective	
SEC 404.1	ECONOMICS	3+0+0	Elective	4
SEC 404.10	LANGUAGE ACQUISITION	3+0+0	Elective	4
SEC 404.11	ORGANIZATIONAL BEHAVIOUR	3+0+0	Elective	4
SEC 404.12	LABOUR LAW	3+0+0	Elective	4
SEC 404.13	HUMAN RESOURCES MANAGEMENT	3+0+0	Elective	4
SEC 404.14	MANAGEMENT PSYCHOLOGY	3+0+0	Elective	4
SEC 404.15	IT LAW	3+0+0	Elective	4
SEC 404.16	BASIC PHILOSOPHY OF SCIENCE	3+0+0	Elective	4
SEC 404.2	ENTREPRENEURSHIP	3+0+0	Elective	4
SEC 404.3	INNOVATION MANAGEMENT	3+0+0	Elective	4
SEC 404.4	ACADEMIC LANGUAGE SKILLS	3+0+0	Elective	4
SEC 404.5	TECHNOLOGY AND ETHICS	3+0+0	Elective	4
SEC 404.6	SOCIAL PSYCHOLOGY	3+0+0	Elective	4
SEC 404.7	EFFECTIVE COMMUNICATION SKILLS	3+0+0	Elective	4
	PRONOUNCIATION SKILLS			4
SEC 404.8		3+0+0	Elective	
SEC 404.9	LISTENING AND SPEAKING	3+0+0	Elective	4
SEC 406.1	HISTORY OF ART	2+0+0	Elective	2
SEC 406.10	BASKETBALL	2+0+0	Elective	2
SEC 406.11	TENNIS	2+0+0	Elective	2
SEC 406.12	TABLE TENNIS	2+0+0	Elective	2
SEC 406.13	FOLK DANCES	2+0+0	Elective	2
	MUSIC CULTURE			2
SEC 406.14		2+0+0	Elective	
SEC 406.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 406.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 406.17	HEALTHY LIVING	2+0+0	Elective	2
SEC 406.18	NUTRITION	2+0+0	Elective	2
SEC 406.19	MEDIA LITERACY	2+0+0	Elective	2
SEC 406.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0	Elective	2
SEC 406.20	MATHEMATICAL ESTHETICS	2+0+0	Elective	2
SEC 406.21	INDUSTRIAL DESIGN	2+0+0	Elective	2
SEC 406.22	BASIC PHOTOGRAPHY	2+0+0	Elective	2
SEC 406.23	SURFING	2+0+0	Elective	2
SEC 406.24	JAPANESE I	2+0+0	Elective	2
SEC 406.25	JAPANESE II	2+0+0	Elective	2
SEC 406.26	MYTHOLOGY	2+0+0	Elective	2
SEC 406.27	ANCIENT CITY	2+0+0	Elective	2
SEC 406.28	SOCIOLOGY	2+0+0	Elective	2
SEC 406.29	PHILOSOPHY	2+0+0	Elective	2
SEC 406.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 406.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 406.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 406.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 406.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 406.34	DIET AND EFFECTS	2+0+0		2
			Elective	
SEC 406.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 406.36	ORGANIC AGRICULTE	2+0+0	Elective	2
SEC 406.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 406.5	BASIC FIRST AID AND EMERGENCY	2+0+0	Elective	2
SEC 406.6	ARCHERY	2+0+0	Elective	2
SEC 406.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 406.8	FOOTBALL	2+0+0	Elective	2
SEC 406.9	VOLLEYBALL	2+0+0	Elective	2