

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 3 (6TH SEMESTER)			
COURSE CODE AND NAME	CSE 320 Java Programming		
INSTRUCTOR	Asst. Prof. Dr. Maryam Eskandari, maryam.eskandari@toros.edu.tr		
EXPLANATIONS	All Lecturer notes and materials of this course will be shared through dokuman.toros.edu.tr website.		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY PROGRAM		Date	Time
TOPICS	Week 9. Java Forms		
	Week 10. Java Forms		
	Week 11. Java Database		
	Week 12. Java Database Connection		
	Week 13. Project-Student part of project file		
	Week 14. Project-Teacher part of Term project file - Project Submission date will be announced through website.		
COURSE RESOURCES	Java Tutorials Point, Simply Easy Learning.		
		Date	Time
ADVISOR HOURS	All questions and problems related to the course will be considered through instructor email address.		
OTHER EXPLANATIONS	Lab works will be done individually at home every week and the result of Lab assignment will be sent to the related course assistant.		
EXAMS	Students will be informed about midterm/final exams, project and Lab works dates.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 3 (6TH SEMESTER)			
COURSE CODE AND NAME	EEE 306 ELECTROMECHANICAL ENERGY CONVERSION		
INSTRUCTOR	Assoc. Prof. Dr. Ahmet TEKE; ahmetteke@yahoo.com		
EXPLANATIONS	The theoretical hour of this course will be 3 hours per week as distance education. Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr). The laboratory hour of this course will be 2 hours and laboratories will be realized in the near future.		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY PROGRAM		Date	Time
TOPICS	1. Structure and working principle of synchronous motors, Tests of synchronous motors (3 hours), (Use Synhronous machine presentation file, slides: 1-12, 76-106)	02.04.2020	
	2. Structure and working principle of synchronous generators, Tests of synchronous generators (3 hours), (Use Synhronous machine presentation file, slides: 1-75)	09.04.2020	
	3. Asynchronous motor structure, open and short circuit tests, Analysis of equivalent circuit (3 hours), (Use induction machine presentation file, slides 25-84)	16.04.2020	
	4. Operation of asynchronous machines (3 hours), (Use induction machine presentation file, slides 1-24)	23.04.2020	
	5. Asynchronous (induction) machines (3 hours), (Use induction machine presentation file, slides 1-84)	30.04.2020	
	6. Speed control methods of Induction motors (3 hours), (Use Synhronous machine presentation file, book pages: 434-452)	07.05.2020	
COURSE RESOURCES	Lecture notes and reference books were given to each student at the beginning of the semester. Additional notes and resources will be uploaded into your distance education system for each week. You are responsible for both presentations and reference books. Reference book: Electric machinery fundamentals, Stephen J. Chapman, Instructor's Manual Stephen J. Chapman.		
		Date	Time
ADVISOR HOURS	Students will be given the necessary questions and explanations during the course. Other questions will be explained by the instructor via e-mail.		
OTHER EXPLANATIONS	The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents.		
EXAMS	The dates of midterm and final exams will be announced in the near future. Please continue to check email and website of university frequently for updates.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 3 (6 TH SEMESTER)			
COURSE CODE AND NAME	EEE 316 UTILIZATION OF ELECTRICAL ENERGY		
INSTRUCTOR	Assoc. Prof. Dr. Ahmet TEKE; ahmetteke@yahoo.com		
EXPLANATIONS	The theoretical hour of this course will be 3 hours per week as distance education. Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr).		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE		Date	Time
TOPICS	1. Calculation of Reactive Power Compensation, Fundamentals (3 hours), slides 128-148.	02.04.2020	
	2. Calculation of Reactive Power Compensation, Examples (3 hours), slides 128-148.	09.04.2020	
	3. Calculation of Reactive Power Compensation, Design (3 hours), slides 128-148.	16.04.2020	
	4. Transmission Lines Parameters, Derivation of parameters (3 hours), use notes on performance of transmission lines, pages 228-251.	23.04.2020	
	5. Transmission Lines Parameters, Examples (3 hours), use notes on performance of transmission line, pages 228-251.	30.04.2020	
	6. Basics of Distribution Systems, Protection and Grounding, Introduction to electric power generation systems (3 hours), slides 149-261.	07.05.2020	
COURSE RESOURCES	Lecture notes on EEE316 by Assoc. Prof. Dr. Ahmet TEKE (This lecture note was given to the copy center at the beginning of the semester.)		
	Reference book: James W. Nilsson, Electric Circuits Additional notes and resources will be uploaded into your distance education system for each week.		
		Date	Time
ADVISOR HOURS	Students will be given the necessary questions and explanations during the course. Other questions will be explained by the instructor via e-mail.		
OTHER EXPLANATIONS	The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents.		
EXAMS	The dates of midterm and final exams will be announced in the near future. Please continue to check email and website of university frequently for updates.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 3 (6TH SEMESTER)			
COURSE CODE AND NAME	EEE302 Electronics II		
INSTRUCTOR	Asst. Prof. Dr. Cevher AK, cevher.ak@toros.edu.tr		
EXPLANATIONS	The theoretical hour of this course will be 2 hours per week as distance education. Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr).		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE		Date	Time
TOPICS	9.Week : DC analysis of JFETs . (2 Hours)~(2 lessons)		
	10. Week : AC analysis of JFETs with small signal and low frequency. (2 Hours)~(2 lessons)		
	11. Week : AC analysis of BJTs with small signal and high frequency. (2 Hours) ~ (2 lessons)		
	12. Week : Linear and non-linear Op-Amp Circuits. (2 Hours)~(2 lessons)		
	13. Week : Design with integrated circuits (2 Hours) ~(2 lessons)		
	14.Week: Design with integrated circuits (cont.) (2 Hours)~(2 lessons)		
COURSE RESOURCES	ELECTRONIC DEVICES AND CIRCUIT THEORY, ROBERT BOYLESTAD & LOUIS NASHESKY		
		Date	Time
ADVISOR HOURS	Students will be given the consultancy and necessary explanations during the course videos. Other questions will be explained by the instructor via e-mail.		
OTHER EXPLANATIONS	This course has a laboratory part for 2 hours. Therefore; laboratories that cannot be done are planned to be achieve on a determined schedule. An announcement will also be made on this subject later.		
EXAMS	The dates of midterm and final exams will be announced separately.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 3 (6th SEMESTER)			
COURSE CODE AND NAME	EEE308 Control Theory		
INSTRUCTOR	Prof. Dr. C. Cengiz ARCASOY - cengiz.arcasoy@toros.edu.tr		
EXPLANATIONS	Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr).		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE			
TOPICS	9.Steady-state Errors	Date	Time
	10.Stability		
	11.Root-Locus		
	12.Phase-lag design		
	13.Phase-lead design		
COURSE RESOURCES	Text Book: Modern Control Engineering ,5th Ed. by K. OGATA. pdf file exists at Cultural Stationary.		
		Date	Time
ADVISOR HOURS	Questions will be explained by the instructor via e-mail.		
OTHER EXPLANATIONS	The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents.		
EXAMS	The dates of midterm and final exams will be announced separately.		

FACULTY OF ENGINEERING			
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YEAR 3 (6TH SEMESTER)			
COURSE CODE AND NAME	EEE324 COMPUTER AIDED ELECTRICAL INSTALLATION		
INSTRUCTOR	Prof. Dr. C. Cengiz ARCASOY - cengiz.arcasoy@toros.edu.tr		
EXPLANATIONS	The theoretical hour of this course will be 3 hours per week as distance education. Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr).		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE		Date	Time
TOPICS	9. Types of lighting fixtures and lighting. Lighting components. The light level, lighting level, photographic excitation, photometric radiance, glow, shadow, light color, glare.		
	10. Lighting calculation methods. Yield method. Factors affecting the efficiency of the room. Room index. Illumination of the rooms. Voltage drop calculations. Example problems.		
	11. Electrical installation materials inside. Switches, fuses pipes. 1 / 50 scale architectural features of the exercise project, project materials.		
	12. Electrical domestic plumbing project preparation and drawing of a model project within the framework of principles of regulation. On one-line diagrams and drawings. The light level and the selection of devices. Strong flow chart drawing of the colon.		
	13. Plumbing connection diagram. Domestic electrical installations, low current and high current installations and drawings. Feeder, column and main column line formation.		
	14. Preparation of the installation schedule table. Insurance selection, selection of wire cross-section, to account for voltage drop		
COURSE RESOURCES	There will be video lectures weekly on dokuman.toros.edu.tr. Book: Ali DOĞRU, Elektrik Tesisat Planları, Sözleşme, Keşif ve Planlama		
		Date	Time
ADVISOR HOURS	Questions will be explained by the instructor via e-mail.		
OTHER EXPLANATIONS	The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents.		
EXAMS	The dates of midterm and final exams will be announced separately.		

FACULTY OF ENGINEERING			
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YEAR 3 (6TH SEMESTER)			
COURSE CODE AND NAME	EEE326 Electrical-Electronics Measurement and Instrumentation		
INSTRUCTOR	Asst. Prof. Dr. H. Emre Kankaya, emre.kankaya@toros.edu.tr		
EXPLANATIONS	The theoretical hour of this course will be 3 hours per week as distance education. Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr). They will be able to access the lecture notes in a virtual devices.		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE		Date	Time
TOPICS	1. Electrical Indicating and Test Instruments (3 hours)		
	2. Display, Recording and Presentation of Measurement Data (3 hours)		
	3. Variable Conversion Elements (3 hours)		
	4. Measurement Signal Transmission (3 hours)		
	5. Sensor Technologies (3 hours)		
	6. Temperature Measurement (3 hours)		
COURSE RESOURCES	Measurement and Instrumentation Theory and Application, A. S. Morris, R. Langari		
		Date	Time
ADVISOR HOURS	Students will be given the necessary questions and explanations during the course sales online. Other questions will be explained by the instructor via e-mail		
OTHER EXPLANATIONS	The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents.		
EXAMS	The dates of midterm and final exams will be announced separately.		

FACULTY OF ENGINEERING			
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YEAR 3 (6TH SEMESTER)			
COURSE CODE AND NAME	EEE328 Communcation Theory		
INSTRUCTOR	Asst. Prof. Dr. H. Emre Kankaya, emre.kankaya@toros.edu.tr		
EXPLANATIONS	The theoretical hour of this course will be 3 hours per week as distance education. Lecture notes and recorded lecture videos will be available on the website (dokuman.toros.edu.tr). They will be able to access the lecture notes in a virtual devices.		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE		Date	Time
TOPICS	1. Source Coding Theorem (3 hours)		
	2. Quantization (3 hours)		
	3. Waveform Coding (3 hours)		
	4. Digital Transformation through the additive white Gaussian Noise Channel (3 hours)		
	5. Optimum Receiver for AWGN (3 hours)		
	6. Probability of Error in AWGN Channels (3 hours)		
COURSE RESOURCES	Communication Systems Engineering, J. G. Proakis, M. Salehi, 2nd edition, Pearson		
		Date	Time
ADVISOR HOURS	Students will be given the necessary questions and explanations during the course sales online. Other questions will be explained by the instructor via e-mail		
OTHER EXPLANATIONS	The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents.		
EXAMS	The dates of midterm and final exams will be announced separately.		