

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 2 (4TH SEMESTER)			
COURSE CODE AND NAME	EEE202 Electric Circuits II		
INSTRUCTOR	Asst. Prof. Dr. Cevher AK, cevher.ak@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.Week : The natural response of RL and RC circuits with dependent sources. (3 Hours)~(3 lessons)		
	10. Week :The step response of RL and RC circuits with switching. (3 Hours)~(3 lessons)		
	11. Week : Determining the initial and final value of capacitor voltage and inductor current for RLC circuits. (3 Hours)~(3 lessons)		
	12. Week : The natural and step response of parallel RLC circuits. (3 Hours)~(3 lessons)		
	13. Week : The natural and step response of series RLC circuits. (3 Hours)~(3 lessons)		
	14.Week: Analysis of the general second order RLC circuits (3 Hours))~(3 lessons)		
COURSE RESOURCES	Electric Circuits, By James William Nilsson.		
		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 achieved 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 2 (4TH SEMESTER)			
COURSE CODE AND NAME	EEE204 Electromagnetic Field Theory		
INSTRUCTOR	Asst. Prof. Dr. Cevher AK, cevher.ak@toros.edu.tr		
EXPLANATIONS	The theoretical hour of this course will be 4 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 : Coulomb's law. Electric fields created by discrete and continuous charge distributions. Gauss law and its applications. (4 Hours)~(4 lessons)		
	10. Week : Electric potential due to a charge distribution. (4 Hours)~(4 lessons)		
	11. Week : Conductors and dielectrics in a static electric field. Boundary conditions (4 Hours)~(4 lessons)		
	12. Week : Electric flux density and dielectric constant. Boundary conditions. (4 hours)~(4 lessons)		
	13. Week : Capacitance and capacitors. (4 Hours) ~ (4 lessons)		
	14.Week: : Electrostatic energy and forces. (4 Hours)~(4 lessons)		
COURSE RESOURCES	Field and Wave Electromagnetics, David K. Cheng, Addison-Wesley		
		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			
EXAMS	The dates of midterm and final exams will be announced separately.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 2 (4TH SEMESTER)			
COURSE CODE AND NAME	EEE208 Probability and Random Variables		
INSTRUCTOR	Prof. Dr. Adnan MAZMANOĞLU; adnan.mazmanoglu@toros.edu.tr		
EXPLANATIONS	The theoretical hour of this course will be 3 hours per week as distance education. Students can watch the lesson asynchronously (with video recording). In both cases, 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	9.Week : The Notion and Axioms of Probability and Total Probability (3 hours)		
	10. Week : Independent Events and their applications (from problem 1.53 to 1.63) (3 hours)		
	11. Week : Supplementary Problems (from problem 1.64 to 1.82) (3 hours)		
	12. Week : Random Variables- Distribution Functions (3 hours)		
	13. Week : Discrete Random Variables and Probability Density Functions with their applications. (3 hours)		
	14.Week: Mean and Variance, Moment and some special distributions. (3 hours)		
COURSE RESOURCES	1. Adnan Mazmanoğlu, Temel Olasılık Dersleri & BASIC IDEAS OF PROBABILITY VE BİYOİSTATİSTİKTE OLASILIK HESABI, Hiper Yayın, 2018		
	2. HWEI P. HSU, PROBABILITY, RANDOM VARIABLES, AND RANDOM PROCESS, McGraw-Hill Companies, 1997		
	3. SEYMOUR LIPSCHUTZ(Çeviri : H. Kutluk ÖZGÜN), OLASILIK, NOBEL YAYIN DAĞITIM, 1990		
		Date	Time
ADVISOR HOURS	Students will be given the necessary questions and explanations 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			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 2 (4TH SEMESTER)			
COURSE CODE AND NAME	EEE210 Computer aided circuit analysis		
INSTRUCTOR	Asst. Prof. Dr. Cevher AK, cevher.ak@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.Week : DC Circuits Analysis, Operating Point Analysis and Transfer Function Analysis. (3 Hours)~(3 lessons)		
	10. Week : Analysis of AC Circuits. (3 Hours)~(3 lessons)		
	11. Week : Analysis of Transient Behavior of Circuits and Fourier Analysis. (3 Hours)~ (3 lessons)		
	12. Week : Circuits Design, Operation, Output Variables and Functions Interpretation, Simulation of circuits covering the various sources and loads. (3 hours)~(3 lessons)		
	13. Week : Simulation of Circuits Containing Controlled Voltage and Current Controlled Resources. (3 Hours) ~ (3 lessons)		
	14.Week: : Simulation of Circuits Containing Controlled Voltage and Current Controlled Switches. (3 Hours) ~(3 lessons)		
COURSE RESOURCES	"Introduction to PSpice Using ORCAD for Circuits and Electronics". Muhammed H. Rashi		
		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 2 (4TH SEMESTER)			
COURSE CODE AND NAME	EEE206-Semiconductors		
INSTRUCTOR	Assist. Prof. Dr. Ali Kemal Havare ; alikemal.havare@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.Week :Semiconductor Fundamentals		
	10. Week : Metal-Semiconductor Junctions		
	11. Week : p-n Junctions		
	12. Week : Bipolar Transistors		
	13. Week : MOS Capacitors		
	14.Week: MOS Field-Effect-Transistors		
COURSE RESOURCES	"Principles of Semiconductor Devices" B. Van Zeghbroeck., 2011		
		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			
DEPARTMENT OF INDUSTRIAL / ELECTRICAL & ELECTRONIC / COMPUTER & SOFTWARE ENGINEERING			
YEAR 2 (4TH SEMESTER)			
COURSE CODE AND NAME	FLE 202 English IV		
INSTRUCTOR	Özgür B. Sandal, ozgur.sandal@toros.edu.tr		
EXPLANATIONS	This is a theoretical course with 3 hours per week. It will be taken as distance education. The students can study and work on the below given topics through the videos and related materials uploaded in the distance education system.		
METHOD OF THE COURSE	Toros University Distance Education Unit, dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE		DATE	TIME
TOPICS	1. Unit 11 - Heat		
	2. Unit 12 - Light and Sound		
	3. Unit 13 - Manufacturing		
	4. Unit 14 - Codes and Standards		
	5. Unit 15 - Helping to Save the Planet		
	6. Presentations*		
COURSE RESOURCES	Engineering 1, Oxford English for Careers, Peter Astley and Lewis Lansford.		
		DATE	TIME
ADVISOR HOURS	The students can contact the instructor of the course during their regular weekly class hours via Google Hangouts, and they can ask her questions about the course and get answers. **The weekly assignments/homeworks will be sent to the instructor via email. *** The presentation video and powerpoint file will be sent to the instructor via " WeTransfer". For further questions you can always contact your instructor via email (ozgur.sandal@toros.edu.tr)		
OTHER EXPLANATIONS	* The presentation video and powerpoint file must be sent to the instructor via WeTransfer in the 6th week. Necessary explanations are given in the 6th week video. ** The weekly assignments will be assessed and graded by the instructor. ***You can find information about WeTransfer on Google or you can click https://wetransfer.com/		
EXAMS	The midterm and final exam dates will be announced later.		

FACULTY OF ENGINEERING AND ECONOMICS BUSINESS ADMINISTRATION AND SOCIAL SCIENCES			
DEPARTMENT OF INDUSTRIAL ENGINEERING PSYCHOLOGY, ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 2 (FOURTH SEMESTER)			
COURSE CODE AND NAME	HIS202 History of Civilization and Science		
INSTRUCTOR	Prof. Dr. Yusuf ZEREN - yusuf.zeren@toros.edu.tr		
EXPLANATIONS	The theoretical time of this course will be taken 2 hours weekly as distance education. Students will follow the courses from the slides.		
METHOD OF THE COURSE	Toros University Distance Education Unit, dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY PROGRAM			
TOPICS	History of Science (pages 60-65)	Date	Time
	History of Science (pages 66-70)		
	History of Science (pages 71-76)		
	Student's Projects (3)		
	Student's Projects (3)		
	Student's Projects (3)		
COURSE RESOURCES	Related PDF files.		
		Date	Time
ADVISOR HOURS		Every Friday	10:00 - 12:00
OTHER EXPLANATIONS	For consultancy, you may send an e-mail to yusuf.zeren@toros.edu.tr		
EXAMS	Course's midterm and final exams will be announced.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 2 (FOURTH SEMESTER)			
COURSE CODE AND NAME	ISG202 Occupational Health and Safety		
INSTRUCTOR	Prof.Dr.Yusuf ZEREN - yusuf.zeren@toros.edu.tr		
EXPLANATIONS	The theoretical time of this course will be taken 2 hours weekly as distance education. Students will follow the courses from the slides.		
METHOD OF THE COURSE	Toros University Distance Education Unit, dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY PROGRAM		Date	Time
TOPICS	Week9 - PRESSURE HAZARDS, ELECTRICAL HAZARDS (Pages 151-169)		
	Week10 - ELECTRICAL HAZARDS, FIRE HAZARDS AND LIFE SAFETY (Pages 170-189)		
	Week11 - FIRE HAZARDS AND LIFE SAFETY (Pages 190-205)		
	Week12 - RADIATION HAZARDS (Pages 206-255)		
	Week13 - RADIATION HAZARDS, NOISE HAZARDS (Pages 226-		
	Week14 - NOISE HAZARDS, VIBRATION HAZARDS, HAZARD ANALYSIS/PREVENTION AND SAFETY MANAGEMENT (Pages 245-276)		
COURSE RESOURCES	Related PDF files.		
		Date	Time
ADVISOR HOURS		Every Monday	10:10 - 12:00
OTHER EXPLANATIONS	For consultancy, you may send an e-mail to yusuf.zeren@toros.edu.tr		
EXAMS	Course's midterm and final exams will be announced.		