

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 1 (2nd SEMESTER)			
COURSE CODE AND NAME	CSE106 Advanced Programming		
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).		
METHOD OF THE COURSE	Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY SCHEDULE			
			Date
			Time
TOPICS	1. Arrays, Pointers and Methods (3 hours)		
	2. Classes and Object Oriented Programming (3 hours)		
	3. Classes and Object Oriented Programming Cont' (3 hours)		
	4. Inheritance and Polymorphism (3 hours)		
	5. Exceptions (3 hours)		
	6. Recursions (3 hours)		
COURSE RESOURCES	Microsoft Visual C# Step by Step, J. Sharp		
		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	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 1 (2nd SEMESTER)			
COURSE CODE AND NAME	EEE112 Introduction to Electrical Engineering		
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.Network theorems		
	10.Source Transform, Mesh currents		
	11.Inductance,Capacitance		
	12.RC circuits, RL Circuits		
	13.RLC Circuits		
COURSE RESOURCES	Text Book: Electric Circuits 10th ED. by S. Reidel, Nillson, 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			
DEPARTMENT OF INDUSTRIAL / ELECTRICAL & ELECTRONIC / COMPUTER & SOFTWARE ENGINEERING			
YEAR 1 (2ND SEMESTER)			
COURSE CODE AND NAME	FLE 102 English II		
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 12 - Information Technology		
	2. Unit 13 - Telecommunications		
	3. Unit 14 - Careers in Technology		
	4. Unit 15 - The Future of Technology		
	5. Handout		
	6. Presentations*		
COURSE RESOURCES	Technology 1, Oxford English for Careers, Eric H. Glendinning.		
		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			
ALL DEPARTMENTS			
YEAR 1 (SECOND SEMESTER)			
COURSE CODE AND NAME	HIS 102, Atatürk's Principles II		
INSTRUCTOR	Anıl ÜZDEN, anil.uzden@toros.edu.tr		
EXPLANATIONS	The materials of our courses (pdf, word, excel, video) will be uploaded to dokuman.toros.edu.tr page and the download opportunity will be provided.		
METHOD OF THE COURSE	Toros University Distance Education Unit, dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY PROGRAM		Date	Time
TOPICS	1. Ekonomi Alanında Yapılan Devrimler (İzmir İktisat Kongresi, 1929 Dünya Ekonomik Buhranı, I. Beş Yıllık Kalkınma Programı), (2 saat)		
	2. Atatürk döneminde Türk dış politikası (1923-1938): Türk-İngiliz, Türk-Sovyet, Türk-Fransız, Türk-İtalyan ilişkileri, Balkan ve Sadabat Paktı, (2 saat)		
	3. Atatürk İlkeleri (Cumhuriyetçilik, Laiklik, Milliyetçilik, Halkçılık, Devletçilik, İnkılâpçılık), Atatürkçü Düşünce Sisteminin Tanımı ve Kapsamı (2 Saat)		
	4. II. Dünya Savaşına Gidiş, Türk İç ve Dış Politikası (2 saat)		
	5. Demokrat Parti, Türkiye'nin Nato'ya girişi ve 27 Mayıs 1960 askerî müdahalesi (2 saat)		
	6. 27 Mayıs 1960'tan 12 Eylül 1980'e Türkiye'de iç siyaset gelişmeleri (2 saat)		
COURSE RESOURCES	Mustafa Kemal Atatürk, Nutuk Türkiye Cumhuriyeti Tarihi I-II, Atatürk Araştırma Merkezi, Atatürk İlkeleri ve İnkılap Tarihi, Prof. Dr. Mustafa Turan ve dğr. Atatürk İlkeleri ve İnkılap Tarihi, Prof. Dr. Şerife Yorulmaz ve dğr.		
		Date	Time
ADVISOR HOURS	Each week, students will be contacted via e-mail on the relevant subject and questions will be answered.		
OTHER EXPLANATIONS	For consultancy, you may send an e-mail to anil.uzden@toros.edu.tr		
EXAMS	Course's midterm and final exams will be announced.		

FACULTY OF ENGINEERING			
ELECTRIC-ELECTRONICS ENGINEERING			
YEAR 1 (2ND SEMESTER)			
COURSE CODE AND NAME	MAT102-CALCULUS II		
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 :Applications of Definite Integrals and Techniques of Integration		
	10. Week : First-Order Differential Equations and		
	11. Week : Parametric Equations and Polar Coordinates		
	12. Week : Multiple Integrals		
	13. Week : Integrals and Vector Fields		
	14.Week: Infinite Sequences and Series		
COURSE RESOURCES	George B. Thomas, Maurice D. Weir, Joel R. Hass, "Thomas' Calculus", 12th Edition, Pearson, 2020		
		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	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			
ALL DEPARTMENTS			
YEAR 1 (SECOND SEMESTER)			
COURSE CODE AND NAME	TUR 102 Turkish Language II		
INSTRUCTOR	Seçil Biber secil.biber@toros.edu.tr		
EXPLANATIONS	The materials of our courses (pdf, word, excel, video) will be uploaded to dokuman.toros.edu.tr page and the download opportunity will be provided.		
METHOD OF THE COURSE	Toros University Distance Education Unit, dokuman.toros.edu.tr		
COURSE TOPICS AND WEEKLY PROGRAM		Date	Time
TOPICS	Week 9. Türk yazı dilinin temel yazım kuralları 2 saat		
	Week 10. Yazım kurallarına uymamaktan kaynaklanan anlatım bozuklukları 2 saat		
	Week 11. Cümlelerin öğeleri ve cümle türleri 2 saat		
	Week 12. Yazılı Anlatım Türleri ve Uygulamaları I: Düşünce Yazıları 2 saat		
	Week 13. Yazılı Anlatım Türleri ve Uygulamaları II: Sanatsal Yazılar 2 saat		
	Week 14. Sözlü Anlatım Türleri Hazırlıklı Konuşmalar Hazırlıksız Konuşmalar 2 saat		
COURSE RESOURCES	Türk Dili Yazılı ve Sözlü Anlatım Prof. Dr Hürriyet Gökdayı		
	Fakülte ve Yüksekokullar için Türk Dili Ders Kitabı Dr Mehmet Sarı	Date	Time
ADVISOR HOURS	Consultancy will provide via e-mail.		
OTHER EXPLANATIONS			
EXAMS	Course's midterm and final exams will be announced.		

FACULTY OF ENGINEERING			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 1 (2nd SEMESTER)			
COURSE CODE AND NAME	EEE104 TECHNICAL DRAWING FOR ELECTRICAL & ELECTRONICS ENGINEERING		
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. Drawing toolbar		
	10. Modify toolbar		
	11. Drawing applications for principal views from perspectives by CAD software		
	12. Dimesioning toolbar		
	13. Drawing applications for section views by CAD software		
	14. Perspective drawing applications from basic principal views.		
COURSE RESOURCES	There will be video lectures weekly on dokuman.toros.edu.tr. Books; 1st book: Residential Design Using AutoCAD 2020 By Daniel John Stine AIA, CSI, CDT Published March 27, 2019 2nd book: T.E. French, C.J.. Vierck, R.J. Foster, Engineering Drawing and Graphic Technology, Thirteenth Edition, McGraw-Hill International Editions.		
		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			
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING			
YEAR 1 (2ND SEMESTER)			
COURSE CODE AND NAME	PHY102-Physics II		
INSTRUCTOR	Asst. 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 : Electrostatic potential in conductors and capacitance. Capacitance of a capacitor. Introduction to electric current: flow of electric charge in conductors. Basics of electric circuits, electromotive force, change of electric potential in a circuit, motion of current in a circuit. Kirchhoff's rules. Examples: series and parallel connections of resistors, ideal and real batteries, example of a multi-loop circuit.		
	10. Week : Magnetic field and magnetic force. Biot-Savart Law. Example magnetic field of a long straight wire. Ampere's law. Example magnetic field of a long straight wire, magnetic field of a solenoid. Homestudy/handout: Vector product of vectors; magnetic field/force using vector product.		
	11. Week : Magnetic properties of matter, magnetic dipoles, diamagnetic, paramagnetic, ferromagnetic materials. Amplification of magnetic field in ferromagnetics, hysteresis. Magnetic inductance, Faraday's law. Example solving problems using Faraday's law. Self and mutual inductance for a solenoid. Homestudy/handout: Transient phenomena in RC and RL circuits; energy of electric and magnetic fields.		
	12. Week : Maxwell-Ampere's equation, displacement current, and Maxwell's equations. Electromagnetic waves as a solution of Maxwell equations. Main properties of electromagnetic waves: spectrum, polarization states, speed in materials. Overview of Fresnel formulas for reflection and refraction. Maxwell equations and special relativity, Lorentz transformation, basic effects of special relativity. Basics of wave optics; superposition and interference of EM waves. Diffraction of EM waves. Example diffraction on two slits. Example interference from thin film.		
	13. Week : Alternating current. Properties of AC, phasor representation of AC waves. Resistance, capacitance and inductance in AC circuits.		
	14.Week: Kirchhoff's voltage rule for AC circuits, phasor diagrams. RLC circuit, impedance, phase shift, power factor.		

COURSE RESOURCES	1. "D. Halliday, R. Resnick, J. Walker, Fundamentals of Physics Extended, 9th Edition, Wiley, 2009		
	2. Raymond A. Serway, Physics for Scientists and Engineers, 4th edition, Saunders College Pub, 1996		
		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	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.		