

**2020-2021 Summer Courses
Offered by
I.T. PROGRAMME**

Service Courses

Course Code	Course Name	Instructor
ITEC115	Bilgisayara Giriş (Turkish)	Cihan Ünal

Department Core Courses

Course Code	Course Name	Instructor	Course Description
ITEC259	Digital Logic Design	Ahmet Rizaner	Digital logic design is concerned with the design of digital electronic circuits which are employed in the design and the construction of the systems such as digital computers and many other applications that require digital hardware. The course presents the basic tools for design of digital circuits and provides the fundamental concepts used in the design of digital systems.
ITEC315	System Analysis and Design	Halide Sarçizmeli	The aim of this course is to provide the students with theoretical and practical skills related to system design and analysis process with an emphasis on object oriented approach. An overview of systems development projects and approaches is followed by thorough coverage of systems analysis and design issues equipping the students with the ability to perform OOA using the OMG Unified Modeling Language (UML). The topics covered are project management and planning, requirements gathering, documentation, analysis and modeling, input/output/user interface design, team organizations, system integration and architecture, system interfaces, control and security.

Area Elective Courses

Course Code	Course Name	Instructor	Course Description
ITEC295	Investigation of Computer Forensics	Ibrahim Adeshola	The course focuses on the theoretical aspects of computer forensics and investigations as a profession, the basics of computer investigations are taught with the requirements needed for the investigation offices and laboratory. Forensic computing demands understanding the data acquisition, the processing of the crime and incident scenes. Different operating systems will be analyzed such as Windows, DOS systems, Mac and Linux for boot processes and file systems. The course also includes the technics used in the investigations of electronic mails, cell phone and mobile devices. Further tools and applications used for information gathering will be examined in the lab
ITEC321	Administering Web-based Content Management System	Mobina Beheshti	Today, many web publishers use Web-based content management systems (WCMS) to allow them to instantly and dynamically update web pages and properties as new content becomes available so that every visit to a site is engaging, informative, and meaningful. This course explores the uses of most popular open source web-based content management systems. Participants explore the fundamentals of planning dynamic websites, CMS database management, developing CSS-controlled site templates, and creating database-driven websites through the planning and creation of their own topic-based sites.
ITEC399	Mobile Application Development	Mobina Beheshti	This course examines the principles of mobile application design and development. Students will learn application development on mobile OS platforms. Topics will include memory management, user interface design, user interface building, data handling. Students are expected to work on a project that produces a professional-quality mobile application. Projects will be chosen from real-world applications. Course work will include project conception, design, implementation, and pilot testing of mobile phone software applications.

ITEC438	E-Commerce Applications	Ibrahim Adeshola	In this course, students will examine the history of the Internet and its influence on e-commerce. Students will also explore the fundamental concepts and their relations to e-commerce, such as electronic commerce foundations, law and the internet, web marketing goals, online product promotion, site usability, e-commerce consumer service methods, business-to-business frameworks. The course will also cover topics such as electronic commerce site creation packages, site development software implementation, developing an electronic commerce site using commerce server, online catalogs, using and configuring payment gateways, e-Services support, transaction security, web site management and options for e-commerce.
ITEC475	Multimedia Development for Web Application	Pınar Kumyalılı	This course is applicable to anyone who had gained experience on web design concepts, the course aims at introducing students to web design image creation and craftsmanship. In this course students will be introduced to advanced principles of web design graphics, and logos, alongside applications that will enhance their knowledge and skills. It is also designed to provide students with knowledge and analytical skills required for industrial web design, personal websites, and other types of graphics required for web development. The course will use a prevalent imaging tool such as Photoshop or Corel draw.

University Elective Courses (A category)

Course Code	Course Name	Instructor	Course Description
BTBS150	Bilgi ve İletişim Teknolojileri	Cihan Ünal	Bu ders gelişen teknolojilerin kullanılmasıyla birlikte bilginin kitlelere anlık ulaştırılabilmesi ve bilgi paylaşımı konularına odaklanmaktadır. Yeni iletişim teknolojileri kullanılarak çok yönlü iletişim sağlanabilmektedir. Etkileşimli televizyonlar, dijital radyo yayınları, elektronik yayıncılık, İnternet, kurumsal iletişim kanalları, Web 2.0 ve sonrası, sosyal medya ve mobil yaşam başlıkları tarih ve kavramlar üzerinden yeni iletişim teknolojileri dersi altında incelenmektedir. Bu dersi tamamlayan öğrenciler, bilgi, teknoloji ve iletişim olgularını öğrenerek dijital ortamdaki bilgiye ulaşma ve bilgiyi paylaşma becerilerine sahip olacaklardır.
BTBS263	Etiket ve İş Yöntemleri	Banu Lama	Bu ders öğrencilere iş hayatında ve günlük hayatta görgü, nezaket ve zarafet kurallarını öğretmek amaçlı düzenlenmiştir. Günlük konuşma, iş hayatında görgü kuralları, tanıştırma prosedürleri, hitap şekilleri, telefon kullanma teknikleri, protokol kuralları, zaman yönetimi, resmi e-mail yazma kuralları ve uygulaması ve farklı ülkelerde görgü kuralları konuları işlenecektir.
ITEC211	Renewable Energy Resources and Environment	Mustafa İlkan	A general information about renewable energy resources such as solar, wind, biomass, fuel cells tidal, wave, Environmental pollution and problems due to pollutions. The main aim of the course is to give an awareness of environmental problems to students and disadvantages of fuel based electricity generation systems.
ITEC276	Klavyeye Giriş	Banu Lama	Bu ders öğrencilere klavye kullanma tekniklerini öğretmek, geliştirmek ve egzersiz yapmak amaçlı hazırlanmıştır. Bu dersin hedefi öğrencilere okul yıllarında ödevlerini ve iş hayatlarında projelerini başarıyla yapabilmek için kelime işlemci ile temel 10 parmak yazma tekniklerini öğretmektir.