2019-2020 Summer Courses
Offered by
I.T. PROGRAMME

Service Courses

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

Area Core Courses

Course Code	Course Name	Instructor	Course Description
ITEC113	Algorithms and Programming Techniques	Cihan Ünal	This course is the first ring of the chain of Algorithms and Programming courses aiming to introduce students to the manner of thought in programming. The course aims to give an introduction to problem solving techniques and programming using structured programming approach. The applications will be performed using C language. The course will provide the students with the programming and analytical foundations that will be used in all consecutive IT related courses. One of the main objectives is to endow the student with critical thinking skills in programming. In the first part of the course, students earn the required skills about the thought of programming using flowcharts and pseudo-code. In the second part, a general purposed programming language, C, is being taught to the students in order to fortify their programming skills.
ITEC316	Software Engineering	Eralp Gorkan	The aim of this course is to introduce some fundamental principles of software engineering discipline and illustrate the application of those principles in the context of the graduation project. Main topics covered are software process models, rapid software development and prototyping, software metrics, risk analysis and management, testing and quality assurance, software estimation techniques, software quality and configuration management.

Area Elecitve 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 tought 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
ITEC318	Visual Programming	Eralp Gorkan	This course has been designed for programmers wishing to acquire the capability to write sophisticated event driven applications, or those requiring an understanding of the capabilities of VB.Net. This course allows the programmer to develop applications that run under Windows and/or Web browser. It also provides an opportunity to study more on controls, Database applications on VB.NET. No assumed knowledge is required for this course.
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, and, finally, specific topics such as

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			GPS and motion sensing. 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.
ITEC420	Framework Based Internet Applications	Eralp Gorkan	This course focuses on development of Internet applications. Designing web sites/pages and developing database Internet applications will be covered throughout the semester. In order to eliminate tedious coding and to develop all these applications, ASP.NET with C# as the programming language will be used. As relational database management server which will be introduced during the semester, is addressed as MS Sql Server. The ASP.NET Web Site Administration Tool will also be covered as part of web sites with authentication, access rights and web sites ready for e-commerce among the semester.
ITEC447	Web Projects	Ibrahim Adeshola	This course aims to encourage students to improve their team-working skills in web-based projects. The course focuses on designing, developing and presenting real-life web projects. Students who take this course will use one or more web development tools in order to design and develop websites. They will also learn how to deal with HTML, CSS, JavaScript, PHP, MySQL, web templates, web forms, JQuery, and Flash-based contents. The importance of the web programming languages is discussed in a real-life project
ITEC475	Multimedia Development for Web Application	Pınar KUMYALILI	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
ITEC211	Renewable Energy	Mustafa Ilkan	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.
BTBS150	Bilgi ve İletişim Teknolojileri	Zafer Yüca	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.