



Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1009 ALGORITHMS					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	BP1009	ALGORITHMS	2	2	4

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

With this course, it is aimed to provide the student with basic competencies related to setting up algorithms.

Teaching Methods and Techniques:

Gains knowledge about algorithm concepts. Knows the basic data/variable types and the differences between them. Knows the variable naming rules. Can define and assign variables. Understands the importance of storing data in variables. It can learn the type of a data/variable. Understands why conditional structures are needed. Knows the meanings of keywords that make up conditional structures. Knows how many different ways conditional structures can be formed. Can design conditional structures nested. Knows how to use operators while creating conditional structures. It can direct the program flow by using conditional structures. Can design procedures with conditional structure. Understands why conditional structures are needed. Knows the meanings of keywords that make up conditional structures. Knows how many different ways conditional structures can be formed. Understands why arrays are needed. Knows how to define the array. Can read and write array elements. Can operate on array elements in a loop. Can use array elements in conditional structures. Knows the meanings of operation operators. Can use operation operators correctly. Knows the order of priority among the operation operators. Knows the meaning of comparison operators. Can use comparison operators correctly. Knows the meanings of logical operators. Can use logical operators correctly. Gains experience in creating algorithms. Knows the meanings of keywords used in creating loops. Knows how to create conditions for loops to repeat. It can design a loop so that an infinite loop does not occur. Knows how infinite loops can be used when needed. Can design loops nested. Gets experience of looping in algorithm. Gets experience of looping in algorithm. Recognizes the Visual Studio environment. Can develop simple applications in Visual Studio environment.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Dr. Onur CÖMERT

Assistants:**Recommended or Required Reading****Resources**

- Öğr.Gör.Sıddık ARSLAN, Temel ve Genel Matematik, Nobel Yayın Dağıtım , .Başından 107. Sayfaya kadar.
1- Hilmi HACISALİHOĞLU, Hüseyin HALİLOV, Meslek Yüksek Okulları İçin Matematik, 2012
2- Gültekin TINAZTEPE, Yüksekokullar ve Meslek Yüksekokulları İçin Matematik, 2015
3- Engin BOZACI, A.Sinan ÇELİK, Meslek Yüksekokulları İçin Matematik ve Çözümleri Genel Matematik I, 2012

Course Category

Mathematics and Basic Sciences :		Education :	
Engineering :	50	Science :	
Engineering Design :		Health :	
Social Sciences :		Field :	50

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			30
ECTS Credit of the Course			1

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000103		GERMAN I				
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits	
1	D0000103	GERMAN I	3	3	3	

Mode of Delivery:

Face to Face

Language of Instruction:

German

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

To be able to use german language in beginner level with the aim of written and oral communication skills, and to construct a base for further learning of the language.

Teaching Methods and Techniques:

General main course of german language.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Erdal ÖRDEK Instructor Dr. Ömer Lütfi İSPİRLİ

Assistants:**Recommended or Required Reading**

Resources	Audio and visual materials, CD, Video and short films, vocabulary cards and illustrated vocabulary boards. Einfach Grammatik Übungsgrammatik Deutsch A1 bis B1 Langenscheidt Menschen A.1.1 Kurs-und Arbeitsbuch Hueber
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Course Category

Mathematics and Basic Sciences :	Education :
Engineering :	Science :
Engineering Design :	Health :
Social Sciences :	Field :

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Tanışma (sich kennenlernen)		Oyun kartları
2	Kendini ve bir başkasını tanıma. Hal hatır sorma, cevaplama.		Ders kitabı
3	Ülkelerin isimleri, uluslararası kelimeler.		Ders kitabı
4	Belirtili ve belirtisiz tanınım (Artikel)		Ders kitabı
5	Alfabe, olumsuz cümle (nicht)		Ders kitabı
6	Şahıslara göre düzenli ve düzensiz fiil çekimleri		Ders kitabı
7	Eşyalar, araç-gereçler ve sıfatlar.	Görsel materyal hazırlama.	Ders kitabı ve diğer görsel materyaller.
8	Soru cümleleri, evet-hayır soruları.		Ders kitabı
9	Haftanın günleri, saatler.	Görsel materyal hazırlama.	Ders kitabı ve görsel materyal.
10	Hobiler, aktiviteler.		Ders kitabı
11	İyelik zamirleri, aile ve meslekler.	Görsel-ışitsel materyal hazırlama.	Ders kitabı ve Video
12	Olumsuz cümle yapısı (kein)		Ders kitabı
13	Yiyecek ve içecekler, beslenme alışkanlıkları.	Kelime çalışması.	Ders kitabı, kelime kartları, video
14	Çoğul isimler.		Ders kitabı

Course Learning Outcomes

No	Learning Outcomes
C01	Almanca konuşan biriyle rahatlıkla tanışabilir.
C02	Öğrenci kendisini ve bir başkasını tanıtabilir.
C03	Öğrenci ailesinden, bireylerin mesleklerinden bahsedebilir.
C04	Öğrenci gündelik hayatta kullandığı eşyaların isimlerini bilir, uygun sıfatlarla onlardan bahsedebilir.
C05	Diğer ülkeleri, milletleri ve dillerinin Almancasını bilir.
C06	Öğrenci hobilerinden, sevdiği veya sevmediği aktivitelerden bahsedebilir.
C07	Haftanın günlerini, saatleri ve günün vakitlerini bilir. Birine saati sorabilir, kendisine saati soran birine cevap verebilir.
C08	Almanca sayıları 1000'e kadar bilir. Tarihleri söyleyebilir.

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
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P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	4	56
Assignments	14	4	56
Presentation	1	10	10
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			180
ECTS Credit of the Course			6

Contribution of Learning Outcomes to Programme Outcomes	
bbb	

	P10
All	5
C01	5
C02	5
C03	5
C04	5
C05	5
C06	5
C07	5
C08	5



Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000106 Ataturk's Principles and History of Turkish Revolution I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	D0000106	Ataturk's Principles and History of Turkish Revolution I	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

In order to understand conditions and features of the establishment of Republic of Turkey: To understand the reasons that forced Turkish nation to have Independence War, in which condition and within which terms Turkish War of Independence took place, upon which basis the state was established, and finally to educate next generations who know establishment philosophy of the state and who are respectful to Turkish state and nation.

Teaching Methods and Techniques:

Aim of the course, its scope, and basic concepts. Final period of Ottoman Empire, its problems, modernization efforts and collapse. Turkish War of Independence.

Prerequisites and co-requisites:

Course Coordinator:

Name of Lecturers:

Specialist Dr. Adnan GELMEZ Specialist Dr. Sadet ALTAY Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sabri ZENGİN Specialist Dr. İzzet Bahri ATEŞLİ

Assistants:

Recommended or Required Reading

Resources 2- YÖK-Komisyon, Atatürk İlkeleri ve İnkılap Tarihi, Ankara 1989.,1- Kemal Atatürk, Nutuk I-III, İstanbul 1993. ,3- Komisyon, Türkiye Cumhuriyeti Tarihi Sabri ZENGİN, Atatürk İlkeleri ve İnkılap Tarihi, 2. Baskı, Taşhan Kitap, Tokat 2016.

Course Category

Mathematics and Basic Sciences :		Education :	
Engineering :		Science :	
Engineering Design :		Health :	
Social Sciences :	100	Field :	

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	The aim of the course and resources		
2	Basic concepts related to the course Revolution, reform, upheaval, rebellion, blow. The principle of Atatürk's Revolution.		
3	Internal reasons for the decline of the Ottoman Empire The problems that occurred in public administration, education, etc		
4	External reasons for the decline of the Ottoman Empire Colonialism, industrial revolution, imperialism. The Eastern Question		
5	The basic concepts of the contemporary world Enlightenment, democracy, secularism, liberalism, socialism, nationalism		
6	Reform movements of the Ottoman Empire Lale devri (Tulip period). Selim III and Mahmut II reforms.		
7	Reform movements of the Ottoman Empire Tanzimat and Islahat in the reform era. New Ottomans. Constitutional monarchy		
8	Midterm Exam		
9	Intellectual movements in the late Ottoman period Westernism, Ottomanism, Islamism, Turkish		
10	The fall of the Ottoman Empire Trablusgarb War. Balkan War. World War I. Armenian question.		
11	The fall of the Ottoman Empire The end of World War I: The Armistice of Mondros. Invasions after the Armistice. Separatist movements		
12	Of national struggle Salvation suggestions: Protection mandate and supporters. Suggestions on regional liberation. Full independence		
13	Of national struggle Atatürk's arrival to Anatolia. Conventions as mergers of the national struggle.		
14	Of national struggle The concept of the National Pact. Anatolia, pass control. The opening of Parliament. Features of the National Pact.		
15	Of national struggle Anatolia, pass control. The opening of Parliament. Features of the Parliament		

Course Learning Outcomes

No	Learning Outcomes
C01	Models of change in the world to compare with the characteristics of Ottoman modernization and change is, led by Atatürk.
C02	Turkish nation the reasons for analysis of contemporary medeniyetten must remain back.
C03	After colonialism and the industrial revolution and the developments in international relations to explain the effects of these developments on Turkey.
C04	To explain the basic concepts that are effective in shaping the modern world.
C05	How to Know the stages and characteristics of Ottoman modernization.
C06	The imperialist ambitions of the states on the territory of Turkey, who want to divide Turkey to recognize the separatist elements.
C07	That the establishment of National Defence of Turkey national and spiritual values based on the knowledge of unity and togetherness, conscious of these values to take ownership of and commitment
C08	Defence of Turkey feelings of gratitude to the heroes of this struggle to have succeeded.

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
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P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	15	2	30
Hours for off-the-c.r.stud	15	1	15
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	5	5
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	10	10
Total Work Load			60
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1013 COMPUTER HARDWARE					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	BP1013	COMPUTER HARDWARE	3	3	5

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

Students, adequacies to set up hardware systems are be gained.

Teaching Methods and Techniques:

Oral and visual expression, presentation, conference, homework, laboratory practices

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 5	Education	:
Engineering	: 5	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	: 90

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Precautions against static electricity		
2	Qualities of hardware equipment		
3	Qualities of hardware equipment, power need of the system unit		
4	Power need of the system unit		
5	Main board, processor and memory units		
6	Main board, processor and memory units		
7	Disc drives		
8	Disc drives		
9	Hardware boards		
10	Hardware boards, peripheral units		
11	Peripheral units		
12	BIOS		
13	BIOS, error messages		
14	Error messages		

Course Learning Outcomes

No	Learning Outcomes
C01	Learns hardware items and their qualities
C02	Is able to inspect hardware equipments
C03	Can install hardware equipments
C04	Performs BIOS structuring
C05	Can cope up with error messages

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
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P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	2	5	10
Mid-terms	1	1	1
Practice	7	2	14
Laboratory	0	0	0
Project	1	10	10
Final examination	1	1	1
Total Work Load			78
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1007 INFORMATIC TECHNIQUES					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	BP1007	INFORMATIC TECHNIQUES	2	2	4

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

With this course, it is aimed to provide the student with the basic competencies related to Office Applications.

Teaching Methods and Techniques:

Knows what Microsoft Word software does. Learns how to open and save new files Learns operations such as font editing Learns table image insertion operations Learns about page layout operations References and Review Tab It can show page and character count and spell check. Knows what Microsoft Excel software does. Excel knows cellular operations Can filter columns in Excel Can create, edit Excel worksheets Can create, edit Excel chart Can perform operations using formulas Knows what Microsoft PowerPoint software is for.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Dr. Onur CÖMERT

Assistants:**Recommended or Required Reading****Resources**

Use of Basic Computer Technologies

Author: Kemal ADEM, Serhat Kılıçarslan

Course Category

Mathematics and Basic Sciences	: 0	Education	: 30
Engineering	: 10	Science	:
Engineering Design	: 0	Health	:
Social Sciences	: 0	Field	: 60

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			44
ECTS Credit of the Course			1

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1011 GRAPHIC AND ANIMATION - I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	BP1011	GRAPHIC AND ANIMATION - I	3	3	5

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

To qualify the students to prepare and produce graphic and animation programmes that work within the internet medium

Teaching Methods and Techniques:

Oral presentations, discussions, lecture, project, laboratory practices

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading**

Resources Photoshop CS5, Turgut Özseven, Murathan Yayinevi, 2011

Course Category

Mathematics and Basic Sciences :	Education :
Engineering :	Science :
Engineering Design :	Health :
Social Sciences :	Field : 100

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Program entry adjustments, the board		
2	The board		
3	Vector devices		
4	Vector devices, text arrangement processes		
5	Colour, contour and filling, vivid filters		
6	Vivid filters		
7	Layer processes		
8	Layer processes, segments and active areas		
9	Buttons and menus that can be opened		
10	Pages		
11	Moving pictures		
12	Slide show		
13	Optimization and exporting		
14	Working with web design editor		

Course Learning Outcomes

No	Learning Outcomes
C01	To perform image and picture arrangements
C02	To perform applications related to text editing and layers
C03	Preparing web devices
C04	Preparing moving pictures and To perform exporting

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
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P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	14	3	42
Assignments	2	2	4
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			90
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000140 English I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	D0000140	English I	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

The objective of this course is to be able to bring the students to the A2 Level in terms of CEF.

Teaching Methods and Techniques:

Compulsory Foreign Language Courses (English)

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor H.Tüzün Paççı

Assistants:**Recommended or Required Reading**

Resources	Essential Grammar in Use by Raymond Murphy (CUP),New Headway Elementary (4th Edition),English Grammar in Use by Raymond Murhpy New Headway Elementary(Fifth Edition) (Oxford University Press) + Student's Book + Workbook + iTools (Digital Teaching Res
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Course Category

Mathematics and Basic Sciences :	Education	: 40
Engineering :	Science	: :
Engineering Design :	Health	: :
Social Sciences : 60	Field	: :

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	verb to be, subject pronouns, possessive adjectives, possessive 's		
2	personal information, introducing yourself, the family words		
3	greetings in everyday situations, expressions for short conversations in everyday situations		
4	The Simple Present Tense		
5	Adverbs of frequency, Object Pronouns		
6	Noun Plurals, Telling the time		
7	have got / has got		
8	Linking words (and, so, but, because)		
9	There is / are, prepositions (in,on,under, next to)		
10	Adjectives of quantity (some, any, alot of, lots of, many, much)		
11	Demonstrative Adjectives + PronounsAdjectives for good & bad, adverb+ adjective		
12	NumberS & Prices		
13	Can / Can't		
14	was/were/could, The Simple Past Tense		

Course Learning Outcomes

No	Learning Outcomes
C01	To understand and use basic grammatical structures in English
C02	Recognizing and using social expressions.
C03	Understanding that you hear in the target language.
C04	Ask questions and answer related to fundamental issues.

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			58
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1015 BASICS OF PROGRAMMING					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	BP1015	BASICS OF PROGRAMMING	4	4	5

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

This lecture aims students to gain fundamental sufficiencies in the field of programming essentials.

Teaching Methods and Techniques:

Algorithms, Flowcharts, Programming Tools, Variables, Constants, Input-Output Operations, Operators, Decision Structures, Loop Controls, Single Dimensional Arrays, Strings, Multi-Dimensional Arrays, Methods not Returning Values, Methods Returning Values, Recursion, Ordered Files, Random Access Files

Prerequisites and co-requisites:

Course Coordinator:

Name of Lecturers:

Instructor Emre Gürbüz

Assistants:

Recommended or Required Reading

Resources	Python Guide (Firat Özgül) Basics of Programming with Python (Instructor Emre Gürbüz)
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Course Category

Mathematics and Basic Sciences : 20	Education : 0
Engineering : 30	Science : 0
Engineering Design : 10	Health : 0
Social Sciences : 0	Field : 40

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Algorithms	Reading the lecture notes	Lecture Notes
2	Flowcharts	Reading the lecture notes	Lecture Notes
3	Programming Tools, Variables, Constants	Reading the lecture notes	Lecture Notes
4	Input-Output Operations, Operators	Reading the lecture notes	Lecture Notes
5	Decision Structures, Loop Controls	Reading the lecture notes	Lecture Notes
6	Single Dimensional Arrays	Reading the lecture notes	Lecture Notes
7	Strings	Reading the lecture notes	Lecture Notes
8	Multi-Dimensional Arrays	Reading the lecture notes	Lecture Notes
9	Midterm Exam	General review and exercises	Lecture Notes
10	Methods not Returning Values	Reading the lecture notes	Lecture Notes
11	Methods Returning Values	Reading the lecture notes	Lecture Notes
12	Recursion	Reading the lecture notes	Lecture Notes
13	Ordered Files	Reading the lecture notes	Lecture Notes
14	Random Access Files	Reading the lecture notes	Lecture Notes
15	Exception Handling	Reading the lecture notes	Lecture Notes

Course Learning Outcomes

No	Learning Outcomes
C01	Being able to introduce to programming
C02	Being able to design the program flow before coding
C03	Being able to use the control statements
C04	Being able to develop array operations
C05	Being able to study with methods
C06	Being able to implement filing operations

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	14	6	84
Assignments	1	28	28
Presentation	0	0	0
Mid-terms	1	1	1
Practice	14	1	14
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			170
ECTS Credit of the Course			6

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000194 Turkish Language I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
1	D0000194	Turkish Language I	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

The goals of lecture ara states her / him self fluently and affectively, mainlanguage awerness; at panels, conferece, foorum etc.

Teaching Methods and Techniques:

Dersin amaci, kapsamı ve temel kavramlar hakkında bilgi verilmesi. Türk dilinin temel sorunları, kuralları. Dilin etkili ve güzel kullanımı.

Prerequisites and co-requisites:

Course Coordinator:

Name of Lecturers:

Assistants:

Recommended or Required Reading

Resources

Course Category

Mathematics and Basic Sciences :	Education :
Engineering :	Science :
Engineering Design :	Health :
Social Sciences : 100	Field :

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Türk dili dersinin içeriği ve dersle ilgili kaynakların tanıtılması.		
2	Dilin tanımı, özellikleri, dil-kültür ilişkisi ve dilin kültür taşıyıcılık özelliği. Konuşma ve yazı dili.		
3	Yeryüzündeki diller, dil aileleri ve Türkçenin bu diller arasındaki yeri ve özelliği. Türk dilinin bugüne kadar ki tarihi gelişimi v		
4	Atatürk'ün dil hakkındaki görüşleri. Güneş-Dil Teorisi ve Atatürk'ün Türkçe hakkındaki düşünceleri.		
5	Yazım kuralları. Bazı ek ve edatların yazılışı. Özel adların, sayıların, alıntı kelimelerin yazılışı. Büyük ve küçük harflerin kullan		
6	Yazı kuralları. Bazı ek ve edatların yazılışı. Özel adların, sayıların, alıntı kelimelerin yazılışı. Büyük ve küçük harflerin kullanıld		
7	Yazım kuralları. Noktalama işaretleri, noktalama işaretlerinin bir dil için önemi. Bu işaretlerin örnek cümleler üzerinde uygula		
8	ARA SINAV		
9	Cümlelerin anlamı ve yorumu. Haber cümleleri, soru cümleleri ve ünlem cümleleri.		
10	Paragraf. Paragrafta temel düşünce, paragraf çeşitleri, paragrafın içeriği, paragrafta yardımcı fikirler		
11	Resmî yazışmalar. Dilekçe, tutanak, rapor, iş mektubu, bildiri. Bu türlerle ilgili uygulama çalışması		
12	Cümlelerin öğeleri. Düzgün bir cümle kurmada cümle öğelerinin doğru şekilde kullanılması.		
13	Anlatım bozuklukları. Sözcük düzeyinde anlatım bozuklukları. Örnek metinler üzerinde uygulama çalışması		
14	Cümle düzeyinde anlatım bozuklukları. Çeşitli basın ve yayın organlarından derlenmiş cümle düzeyinde anlatım bozuklukları		
15	Dil yanlışlarının neden olduğu iletişim kazarları ve örnekler.		

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	0	%0
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	0	%0
Total		%0

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	5	5
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	5	5
Total Work Load			66
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb



Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	0	%0
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	0	%0
Total		%0

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	0	0	0
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	0	0	0
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	0	0	0
Total Work Load			0
ECTS Credit of the Course			0

Contribution of Learning Outcomes to Programme Outcomes





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000104 GERMAN II					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
2	D0000104	GERMAN II	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

German language at a basic level and looking forward to be able to use written and oral communication purpose is to strengthen the infrastructure of language

Teaching Methods and Techniques:

Current issues in the presence of basic German grammar

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:****Assistants:****Recommended or Required Reading**

Resources	
	Berliner Platz 1Langenscheidt
	Einfach Grammatik
	Übungsgrammatik Deutsch A1 bis B1
	Einfach Grammatik Übungsgrammatik Deutsch A1 bis B1
	haftalık olarak ilan edilecek/will be announced weekly
	2

Course Category

Mathematics and Basic Sciences :	0	Education :	0
Engineering :	0	Science :	0
Engineering Design :	0	Health :	0
Social Sciences :	50	Field :	50

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Greetings and FarewellsSaying where you come from and where you liveLettersNumbers 0-10	-	Einfach GrammatikÜbungsgrammatik De
2	Saying how you areTalking about nationality and languagesNumbers 11-100	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
3	Work and studyJobs and professionsTowns and cities	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
4	Family relationshipsLeisure time	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
5	Saying how often you do thingsOrdering food and drinkShopping/ Asking for prices	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
6	Booking a hotel roomTelling the timeTalking about daily routinesMaking appointments	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
7	Travelling around town	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
8	Mid-Term Exams	review	Einfach GrammatikÜbungsgrammatik De
9	Saying where people live and what their houses are likeMaking comparisonsDiscussing the pros and cons of something	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
10	Describing items of personal appearance	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
11	Talking about past holidaysDiscussing health	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
12	TelephoningWriting a CvExpressing opinions	preparing for the topic	Einfach GrammatikÜbungsgrammatik De
13	Exercises	review	Einfach GrammatikÜbungsgrammatik De
14	FINAL EXAMS	review	Einfach GrammatikÜbungsgrammatik De

Course Learning Outcomes

No	Learning Outcomes
C01	consolidating previous learning
C02	sharing informing about personal experiences
C03	understanding the main points of daily conversation
C04	Being able to join impromptu dialogues

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	6	4	24
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	4	4
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	6	6
Total Work Load			76
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes

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	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11
All	3	3	5	5	3	4	4	3	4	3	5
C01	3	3	5	5	3	4	4	3	4	3	5
C02	3	3	5	5	3	4	4	3	4	3	5
C03	3	3	5	5	3	4	4	3	4	3	5
C04	3	3	5	5	3	4	4	3	4	3	3



Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000107 Ataturk's Principles and History of Turkish Revolution II					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
2	D0000107	Ataturk's Principles and History of Turkish Revolution II	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

To understand Ataturk's reforms and how basic principles of the republic came into existence in Republic of Turkey establishment period. To help Turkish youth in the way of being unified individuals as a nation and becoming effective in the contemporary world.

Teaching Methods and Techniques:

The last periods of the War of Independence. Treaties that causes the establishment of Republic of Turkey. Ataturk's principles which determine the features of Republic of Turkey and the revolutions which strengthen these principles

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sadet ALTAY Specialist Dr. Sabri ZENGİN Specialist Dr. Adnan GELMEZ

Assistants:**Recommended or Required Reading**

Resources 4- Komisyon, Atatürkçü Düşünce, Ankara 1992, AAM yay., 3- A. Afetinan, M. Kemal Atatürk'ten Yazdıklarım, İstanbul 1971, MEB yay., 7- Selahattin Tans Sabri ZENGİN, Atatürk İlkeleri ve İnkılap Tarihi, 2. Baskı, Taşhan Kitap, Tokat 2016.

Course Category

Mathematics and Basic Sciences :		Education :	
Engineering :		Science :	
Engineering Design :		Health :	
Social Sciences :	100	Field :	

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Of national struggle	Rebellions against the Parliament, The Treaty of Sevres	
2	Of national struggle	National War Fronts: The west facade, The South facade, The east facade.	
3	Of national struggle	Treaties which halted fighting: The Armistice of Mudanya, The Treaty of Lausanne.	
4	Establishment of the Republic of Turkey	Abolition of the sultanate, declaration of the republic, abolition of the caliphate	
5	The democratization of the republic	People's Party, Progressive Republican Party, Free Republican Party, Democratic Pa	
6	Secularizing of the republic	Secularizing of the state management. Secularizing of the constitution. Secularizing of the edu	
7	The principle of nationalism	National government, The national history (Turkish Historical Society), National language (Tur	
8	Midterm Exam		
9	The principle of statism	Economics Congress of Turkey, national economy, promotion of private enterprise and develop	
10	Reactions to the Reforms	The rebellion of Seyh Sait, assassination attempt on Ataturk in Izmir, The Menemen event.	
11	The constitutions of Turkish History	1876, 1909, 1921, 1924, 1960, 1982 Constitutions and their features.	
12	Revolutions in the field of education	Tevhid-i Tedrisat Kanunu (The Law of Teaching Unification), Alphabet revolution, F	
13	Social Reforms	The hat and attire revolution, The abolition of dervish lodges, angles, tombs and religious orders, surnam	
14	Turkish foreign policy	Turkey's strategic importance, Liberation War era foreign policy, Turkish foreign policy of the Atatür	
15	Turkish foreign policy	Turkish foreign policy after Atatürk.	

Course Learning Outcomes**No Learning Outcomes**

- C01 Determines that the establishment of agreements with Turkey and to analyze international law.
C02 That the reforms of Ataturk founded modern Turkey in order to bring the level of contemporary civilizations, the basic principles (Principles) to explain.
C03 Youth in Turkey's national, democratic, secular, social and individual values depending on the organization to be based on the principles of modern law.
C04 Youth who follow developments in the world, state and nation in the contemporary world that individuals can apply to be effective, needs to be done.

Program Learning Outcomes**No Learning Outcome**

- P14 Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10 Programming, animation using graphic elements
P09 To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08 To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05 To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04 Using office programs and package programs effectively
P03 Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16 To act in accordance with professional ethics
P15 To have knowledge of basic mathematical and physical subjects related to the field
P13 To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07 To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06 To know database concepts and types; using structured query language and developing interface forms in database applications
P02 Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01 To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18 Being an individual who adheres to Ataturk's principles and reforms
P17 To have effective methods of using Turkish
P11 Developing computer-based projects in accordance with standards
P12 Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	15	2	30
Hours for off-the-c.r.stud	15	1	15
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	5	5
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	10	10
Total Work Load			60
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000141		English II			
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
2	D0000141	English II	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

This course aims to provide the students understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type; introduce him and others and ask and answer questions about personal details such as where he lives, people he knows and things he has. interact in a simple way provided the other person talks slowly.

Teaching Methods and Techniques:

This course includes grammar, spelling and pronunciation, vocabulary, listening and speaking skills.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Burçak TÜRK

Assistants:**Recommended or Required Reading**

Resources	UZEM (distance training) Course Videos, English For Life Beginner Level, UZEM (distance training) Class Notes English For life Course Book Ders kitabı, Uzaktan Eğitim Ders Videoları, Uzaktan Eğitim Ders Notları
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Course Category

Mathematics and Basic Sciences : 0	Education : 0
Engineering : 0	Science : 0
Engineering Design : 0	Health : 0
Social Sciences : 0	Field : 100

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Introductions and numbers. Indefinite articles, this, that, teaching classroom vocabulary		
2	Teaching the alphabet and spelling. Family members.		
3	Possessive adjectives Asking names Saying hello and goodbye.		
4	Numbers, countries, to be statements, saying sorry.		
5	Numbers, to be : questions, telling the time, spelling word.		
6	Telling the time, things people carry, prepositions, singular and plural names.		
7	Free time activities, offering drink, food and plural endings.		
8	Present simple: questions life styles Present simple: statements.		
9	Midterm		
10	Free time activities.		
11	Days and times life styles.		
12	Simple present tense questions.		
13	Present simple: why-questions, lifestyles.		
14	Teaching Daily activities, adverbial place days and times.		
15	Present simple :the third singular Everyday expressions, negative statements.		

Course Learning Outcomes

No	Learning Outcomes
C01	Students will be able to use simple daily life expressions.
C02	to express their problems with simple terms.
C03	to express their problems with simple terms.
C04	to act out the dialogues related to greetings and saying goodbye in the target language.
C05	to use the social expressions in the target language.
C06	to use the statements and expressions related to asking and telling the time, asking for a ticket, asking for the prices in target language.
C07	to spell the words, tell his/her e-mail address or phone number, open and end the conversations on the phone in target language.
C08	to ask for and tell the directions in target language.
C09	to understand and tell the months, years, birthdays, and ordinal numbers in target language.
C10	to understand and use the expressions that show interest while having a dialogue in target language.
C11	to use appropriately the expressions related to making offers and accepting/refusing offers in target language.
C12	to ask someone's problems and respond accordingly in target language.
C13	to recognize the signs that are universal in target language.
C14	to understand and use the expressions related to thanking, wishing good luck, and expressing worry in target language.
C15	to understand and tell the everyday problems in target language.

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	30	30
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	30	30
Total Work Load			102
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

D0000195 Turkish Language II					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
2	D0000195	Turkish Language II	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

To make students become familiar with the correct, beautiful and efficient use of the Turkish language to make them base the written and spoken intercourse of the language on strong principals to make them gain their skills in correspondence, presentations and explanations successfully in their business life to make them become intellectual individuals who read, think, inquire and bring solutions.

Teaching Methods and Techniques:

According to their subjects, reading, listening, writing, presentation, discussion, sampling, question and answer techniques will be used.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Cafer Akin

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences :		Education :	
Engineering :		Science :	
Engineering Design :		Health :	
Social Sciences :	100	Field :	

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	marks of punctuation. (point, comma, semicolon, double point, interjection)		
2	marks of punctuation. (inverted commas, paranthesis)		
3	The rules of orthography. (Writing of capitals and numbers and compounds)		
4	The rules of orthography. (writing of idioms, dieresis, quotation words and foreign proper nouns)		
5	The rules of orthography. (The writing of abbreviation and some additions.)		
6	composition. (definition, aim, being succesful in composition)		
7	The methods of composition. (The constitutetion of assistant reflection and main reflection.)		
8	The methods of composition. (The constitutetion of paragraph, the methods of progress of reflection in paragraph)		
9	The properties of expression		
10	Failure to expression properly.		
11	The forms of expression. (collecting homeworks)		
12	varieties of expression. (oral expression)		
13	varieties of expression. (written expression- letter, petition)		
14	varieties of expression.(written expression- story, fiction, theatre, verse)		

Course Learning Outcomes

No	Learning Outcomes
C01	Understands the rules of writing on a topic, improves writing skills.
C02	Oral presentation and communication skills are gained.
C03	Written and oral expression and to communicate accurate and effective use of language is to understand, short equity requests, but being able to fully express, petition writing, report preparation
C04	Understand that our language is Turkish its place among the world 's languages??.
C05	Using the word in sentences comprehend the wrongs done in establishing the rules of spelling, punctuation, gains the ability to use correct and appropriate.
C06	Apart from textbooks, information texts to be read from a variety of genres, manners, life changing experience and perspective on life, the habit of seeing nice gains different opinions.
C07	Academic listening to a conversation, to ask questions, learn to make the necessary explanations, so how it should be understood that behavior within society and apply.

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			58
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1012 BASICS OF WEB DESIGN					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
2	BP1012	BASICS OF WEB DESIGN	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

To enable the students perform HTML applications for WEB projects

Teaching Methods and Techniques:

Computer Lab is used for applied visual teaching. Useful application samples are chosen and each student is given the opportunity to make their own sample

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading**

Resources İnternet Programcılığı 1, Ebubekir Yaşar, Turgut Özseven, Murathan Yayınevi, 2009

Course Category

Mathematics and Basic Sciences : 5	Education :
Engineering :	Science :
Engineering Design : 5	Health :
Social Sciences :	Field : 90

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Definitions of Internet and Web HTML Basic Tags		
2	Basic html tags for text and the View Labels		
3	Text and Appearance Labels Connection (Bridge) Creation		
4	Connection (Bridge) Creating a Table Operations		
5	Table Operations Forms		
6	Forms		
7	Frames		
8	Multi-Media Tools		
9	Multi-Media Tools		
10	Style Template (CSS) Basics		
11	Style Template (CSS) Properties		
12	Style Template (CSS) Properties Style Template (CSS) Menu Operation		
13	Style Template (CSS) Menu Operation		
14	Browser Problemsand Solutions		

Course Learning Outcomes

No	Learning Outcomes
C01	To perform basic applications with HTML codes and web pages
C02	To prepare advanced qualities for web pages with Html codes
C03	To perform applications with Html codes
C04	To acquire menus and qualities of cascading style sheets (CSS)
C05	To realize construction of cascading style sheets (CSS)

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	14	1	14
Laboratory	0	0	0
Project	1	10	10
Final examination	1	1	1
Total Work Load			82
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb



Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	0	%0
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	0	%0
Total		%0

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	0	0	0
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	0	0	0
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	0	0	0
Total Work Load			0
ECTS Credit of the Course			0

Contribution of Learning Outcomes to Programme Outcomes





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP1014 FUNCTIONAL PROGRAMMING					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
2	BP1014	FUNCTIONAL PROGRAMMING	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

This lecture aims students to gain essential sufficiencies in the field of functional programming.

Teaching Methods and Techniques:

Introduction to Functions, Concept of Functionality and Code Reuse, Arguments in Functions, Process of Returning Value in Functions, Local and Global Variables in Functions, Function Overloading, Function Overriding, Constructor Functions and Constructor Function Chaining, Passing Value and Reference to Functions, Accessing to Functions and Access Modifiers in Object Oriented Languages, Recursion in Functions, Mutual Recursion in Functions, Complexity and Big-O Notation, Hierarchy in Functions, Interfaces, Function Libraries

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Emre Gürbüz

Assistants:**Recommended or Required Reading**

Resources Functional Programming in Java (Venkat Subramaniam),Functional Programming for Java Developers (Dean Wampler),Java Programming Language an

Course Category

Mathematics and Basic Sciences : 30	Education : 0
Engineering : 10	Science : 0
Engineering Design : 25	Health : 0
Social Sciences : 0	Field : 35

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Introduction to Functions	Reading the lecture notes	Lecture Notes
2	Concept of Functionality and Code Reuse	Reading the lecture notes	Lecture Notes
3	Arguments, Process of Returning Value, Local and Global Variables in Functions	Reading the lecture notes	Lecture Notes
4	Function Overloading	Reading the lecture notes	Lecture Notes
5	Function Overriding	Reading the lecture notes	Lecture Notes
6	Constructor Functions and Constructor Function Chaining	Reading the lecture notes	Lecture Notes
7	Passing Value and Reference to Functions	Reading the lecture notes	Lecture Notes
8	Accessing to Functions and Access Modifiers in Object Oriented Languages	Reading the lecture notes	Lecture Notes
9	Midterm Exam	General review and exercises	Lecture Notes
10	Recursion in Functions	Reading the lecture notes	Lecture Notes
11	Mutual Recursion in Functions	Reading the lecture notes	Lecture Notes
12	Complexity and Big-O Notation	Reading the lecture notes	Lecture Notes
13	Hierarchy in Functions	Reading the lecture notes	Lecture Notes
14	Interfaces	Reading the lecture notes	Lecture Notes
15	Function Libraries	Reading the lecture notes	Lecture Notes

Course Learning Outcomes**No Learning Outcomes**

C01	Being able to comprehend the importance of functional approach and code reuse in programming
C02	Being able to define the functions suitably for the requirements
C03	Being able to use the functions effectively and comprehend the details of function usage
C04	Being able to design functions in a way that ensures efficient usage of computer resources
C05	Being able to comprehend the detailed concepts (such as overloading, overriding, recursion) related to the functions

Program Learning Outcomes**No Learning Outcome**

P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	0	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	0	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	5	70
Assignments	1	20	20
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			120
ECTS Credit of the Course			4

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2021 OPEN SOURCE OPERATING SYSTEM					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
3	BP2021	OPEN SOURCE OPERATING SYSTEM	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

This lecture aims students to gain fundamental sufficiencies in the field of open source operating systems.

Teaching Methods and Techniques:

Structure of the Open Source Operating Systems, Basic Desktop Concepts and Operations, File System and Its Operating Principle, Basic Tools and Applications of the Open Source Operating Systems, Basic Network Programs and Network Settings, Internet Connection, Basic User and Group Operations, Open Source Operating System Editors, Program Installation and Update, Shell Operations, Kernel Structure, File and Folder Sharing, User Authentication, Packet Installation, Shell Programming

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading**

Resources	
	Linux - For Everyone (Richard Petersen)
	Open Source Operating Systems Lecture Notes (Instructor Emre Gürbüz)

Course Category

Mathematics and Basic Sciences : 10	Education : 0
Engineering : 5	Science : 0
Engineering Design : 5	Health : 0
Social Sciences : 0	Field : 80

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Structure of the Open Source Operating Systems	Reading the lecture notes	Lecture Notes
2	Basic Desktop Concepts and Operations	Reading the lecture notes	Lecture Notes
3	File System and Its Operating Principle	Reading the lecture notes	Lecture Notes
4	Basic Tools and Applications of the Open Source Operating Systems	Reading the lecture notes	Lecture Notes
5	Basic Network Programs and Network Settings	Reading the lecture notes	Lecture Notes
6	Internet Connection, Basic User and Group Operations	Reading the lecture notes	Lecture Notes
7	Open Source Operating System Editors	Reading the lecture notes	Lecture Notes
8	Program Installation and Update	Reading the lecture notes	Lecture Notes
9	Midterm Exam	General review and exercises	Lecture Notes
10	Shell Operations	Reading the lecture notes	Lecture Notes
11	Kernel Structure	Reading the lecture notes	Lecture Notes
12	File and Folder Sharing	Reading the lecture notes	Lecture Notes
13	User Authentication	Reading the lecture notes	Lecture Notes
14	Packet Installation	Reading the lecture notes	Lecture Notes
15	Shell Programming	Reading the lecture notes	Lecture Notes

Course Learning Outcomes

No	Learning Outcomes
C01	Being able to install and make basic adjustments of the open source operating systems
C02	Being able to arrange the network settings
C03	Being able to implement the user operations
C04	Being able to use the tools of the open source operating systems
C05	Being able to implement the management of the open source operating systems

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	3	42
Assignments	1	14	14
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			86
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2013 INTERNET PROGRAMMING I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
3	BP2013	INTERNET PROGRAMMING I	4	4	5

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

With this course the student; Internet environment will gain competence to write programs that run on open source.

Teaching Methods and Techniques:

Learns what can be done with HTML language. Can design simple web pages with HTML and CSS. Javascript Input, Variables and Types Learns what can be done with Java Script language. It can define variables in JS language. It can construct loops in JS language. Conditions can be written Can recognize function Learns array definition and properties Comparison and Logical Operators Can use operators in diagnosis and coding String and Mathematical Functions Recognize and use functions Can perform operations related to the keyboard. Can do mouse related operations Can create 2D graphics and shapes Can open and close browser tabs Learns timing related functions

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Dr. Onur CÖMERT

Assistants:**Recommended or Required Reading**

Resources İnternet Programcılığı 1, Ebubekir Yaşar, Turgut Özseven, Murathan Yayınevi, 2009

Course Category

Mathematics and Basic Sciences	: 10	Education	:
Engineering	: 20	Science	:
Engineering Design	: 10	Health	:
Social Sciences	:	Field	: 60

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Application Software Installation and Testing		
2	Decision Control Structures		
3	Loop Control Structures		
4	User-Defined Functions		
5	Stock Functions		
6	Arrays and Objects		
7	Filing Procedures		
8	Filing procedures		
9	Web Forms		
10	Data Transfer Methods Between Pages		
11	Database Operations-1		
12	Database Operations-2		
13	XML and Web services -1		
14	XML and Web services -2		

Course Learning Outcomes

No	Learning Outcomes
C01	General information about the open source code
C02	Install the necessary software to open source code-based programming and testing
C03	Open source programming language with the basic commands to prepare the WEB page
C04	Function with an open source programming language and web page design using objects
C05	To form applications with open source programming language
C06	Web services use open source code-based program in

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
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P17	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	7	2	14
Laboratory	0	0	0
Project	2	20	40
Final examination	1	1	1
Total Work Load			140
ECTS Credit of the Course			5

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2009 Vocational Foreign Language I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
3	BP2009	Vocational Foreign Language I	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

This lecture aims students to gain essential sufficiencies in the field of vocational foreign language

Teaching Methods and Techniques:

Written and oral communication in vocational issues, Programming tools, Messages and error codes, Concepts related to computer networks, Web browsers, Database concepts, Graphics and multimedia, Concepts related to theory of computation

Prerequisites and co-requisites:

Course Coordinator:

Name of Lecturers:

Instructor Emre Gürbüz

Assistants:

Recommended or Required Reading

Resources Check Your English Vocabulary for Computers and Information Technology (Jon Marks)
Vocational Foreign Language I Lecture Notes (Instructor Emre Gürbüz)

Course Category

Mathematics and Basic Sciences : 0	Education : 35
Engineering : 30	Science : 0
Engineering Design : 0	Health : 0
Social Sciences : 0	Field : 35

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Written and oral communication in vocational issues	Reading the lecture notes	Lecture Notes
2	Written and oral communication in vocational issues	Reading the lecture notes	Lecture Notes
3	Programming tools	Reading the lecture notes	Lecture Notes
4	Programming tools	Reading the lecture notes	Lecture Notes
5	Messages and error codes	Reading the lecture notes	Lecture Notes
6	Concepts related to computer networks	Reading the lecture notes	Lecture Notes
7	Concepts related to computer networks	Reading the lecture notes	Lecture Notes
8	Web browsers	Reading the lecture notes	Lecture Notes
9	Midterm exam	General review and exercises	Lecture Notes
10	Database concepts	Reading the lecture notes	Lecture Notes
11	Database concepts	Reading the lecture notes	Lecture Notes
12	Graphics and multimedia	Reading the lecture notes	Lecture Notes
13	Graphics and multimedia	Reading the lecture notes	Lecture Notes
14	Concepts related to theory of computation	Reading the lecture notes	Lecture Notes
15	Concepts related to theory of computation	Reading the lecture notes	Lecture Notes

Course Learning Outcomes

No Learning Outcomes

C01	Being able to use the knowledge of vocational foreign language
C02	Being able to explain foreign vocational concepts and definitions
C03	Being able to interpret the foreign statements and error messages in the field of computer science
C04	Being able to explain the database concepts that are in foreign language
C05	Being able to express the foreign concepts that are related to graphics and multimedia

Program Learning Outcomes

No Learning Outcome

P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
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P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	1	14	14
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			58
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb



Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
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P06	To know database concepts and types; using structured query language and developing interface forms in database applications
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	0	%0	Course Duration	0	0	0
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	0	0	0
Project	0	%0	Practice	0	0	0
Final examination	0	%0	Laboratory	0	0	0
Total		%0	Project	0	0	0
			Final examination	0	0	0
			Total Work Load			0
			ECTS Credit of the Course			0

Contribution of Learning Outcomes to Programme Outcomes





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2011 SYSTEM ANALYSIS AND DESIGN I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
3	BP2011	SYSTEM ANALYSIS AND DESIGN I	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

With this course the student, using his technical knowledge in the sector be able to create a viable project in detail.

Teaching Methods and Techniques:

Lecture, Research, Discussion, Implementation

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences :	20	Education	:
Engineering :	20	Science	:
Engineering Design :	20	Health	:
Social Sciences :		Field	: 40

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Subject to select for a field project		
2	Information Obtained from Present		
3	Identify the threads and Working Environment in the Project with analysis		
4	Determining Types in which to save the Project data		
5	Information Obtained from Present		
6	Algorithm and Flow Chart to Identify the project		
7	Setting Up Of Working Platform Project		
8	Preparation of the Present		
9	Writing and Testing Code Project Main Topics		
10	Presentation of the project		
11	Get Detailed Proposals for the project, Project, Writing and Testing Code		
12	Project Report		
13	Project Prepare Project Installation Package		
14	Prepare the reportbooklet containing all the project Stages		

Course Learning Outcomes

No	Learning Outcomes
C01	Determine the scope of the final project
C02	Do more research on the subject project
C03	Preparation for the writing of the project code
C04	Writing project
C05	Installation package, and report preparation of the project, will gain competencies

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
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P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	2	28
Assignments	0	0	0
Presentation	5	6	30
Mid-terms	1	1	1
Practice	1	14	14
Laboratory	0	0	0
Project	1	8	8
Final examination	1	1	1
Total Work Load			138
ECTS Credit of the Course			5

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2043 DATABASES I					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
3	BP2043	DATABASES I	4	4	4

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

This course details the basics of Microsoft SQL Server. Students will be introduced to the basics of using SQL Server.

Teaching Methods and Techniques:

Gain knowledge of data models Understands what can be done with Microsoft SQL Server software. Learns how to use Microsoft SQL Server software. Can write simple queries in SQL language. It can create tables in SQL language. Learns operators used in SQL language. Learn to filter data with relational algebra Learn the general structure of the SQL language Recognize system functions in SQL language. Learns where and when to use functions. Can use functions in SQL language queries. Can write nested queries on tables. Can group and join tables. Relationships Learns how to establish relationships between tables Can establish relationships between tables. Learns what kind of constraints relationships provide. He learns the keys. Learns what kind of constraints are provided with keys. Understands the importance of relational database. Can run simple SQL queries on a database

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Dr. ONUR CÖMERT

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences : 10	Education :
Engineering :	Science :
Engineering Design : 30	Health :
Social Sciences :	Field : 60

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Analysing issues related with databases Normalization		
2	Normalization		
3	Normalization		
4	Database setup Tables and attributes setup		
5	Tables and attributes setup		
6	Tables and attributes setup		
7	Query		
8	Queries related with multiple tables		
9	Data Manipulation Language queries		
10	Data Manipulation Language queries User queries		
11	Views Single and multiple queries		
12	Single and multiple queries		
13	Transaction processes		
14	Indexing transactions		

Course Learning Outcomes**No Learning Outcomes**

C01	Designing Database
C02	To create a database
C03	Querying the database
C04	Using Database Administrative Functions

Program Learning Outcomes**No Learning Outcome**

P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P03	Using office programs and package programs effectively
P13	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	2	28
Assignments	1	20	20
Presentation	0	0	0
Mid-terms	1	1	1
Practice	7	3	21
Laboratory	7	2	14
Project	0	0	0
Final examination	1	1	1
Total Work Load			141
ECTS Credit of the Course			5

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2019 SOFTWARE ARCHITECTURES					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
3	BP2019	SOFTWARE ARCHITECTURES	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

With this course students, aimed to gain qualifications related to software architectures

Teaching Methods and Techniques:

Lecture, discussion, demonstration, research

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor ONUR CÖMERT

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences :		Education :	
Engineering :		Science :	
Engineering Design :	50	Health :	
Social Sciences :		Field :	50

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Requirements to identify and analyze		
2	Select a model of software development and software architecture		
3	Select a model of software development and software architecture		
4	To use design tools		
5	Appropriate software to design requirements		
6	Appropriate software to design requirements		
7	Software to encode		
8	Software to encode		
9	File to use version control tools		
10	Using testing tools, the software to test for		
11	Using testing tools, the software to test for		
12	Using testing tools, the software to test for		
13	Project management tools		
14	To carry out the maintenance and repair process		

Course Learning Outcomes

No	Learning Outcomes
C01	General information about software languages to be acquired
C02	Request to evaluate the software, to collect information
C03	Software was developed
C04	Software testing and maintaining
C05	Promoting the development of new versions of the software

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	1	5	5
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			49
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2072 RESEARCH METHODS					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2072	RESEARCH METHODS	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

To enable the students gain required competences to conduct research

Teaching Methods and Techniques:

Oral and visual expression, presentation, discussion, practice, homework

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor ONUR CÖMERT

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 10	Education	:
Engineering	: 20	Science	:
Engineering Design	: 10	Health	:
Social Sciences	: 30	Field	: 30

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Selecting Research Topics		
2	Selecting Research Topics		
3	Making Resource Survey		
4	Making Resource Survey		
5	Research Assessment Results		
6	Research Assessment Results		
7	Conversion Research Results in a report		
8	Conversion Research Results in a report		
9	Making the presentation preparation		
10	Making the presentation preparation		
11	presentation		
12	presentation		
13	presentation		
14	presentation		

Course Learning Outcomes

No	Learning Outcomes
C01	Selecting research topics
C02	Researching for resources for the topic selected
C03	Evaluating research results
C04	Reporting research results
C05	Presenting the topic studied

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	1	10	10
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			54
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2028 VISUAL PROGRAMMING III					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2028	VISUAL PROGRAMMING III	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

With this course the student will learn how to make industrial applications with visual programming languages

Teaching Methods and Techniques:

Lectures and application, Oral Presentation, Case study, Project.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:****Assistants:****Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 10	Education	:
Engineering	: 10	Science	:
Engineering Design	: 10	Health	:
Social Sciences	:	Field	: 70

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Active form application, Activex application		
2	DLL application		
3	API application		
4	Registry application		
5	OLE object		
6	Working with Picture format		
7	Working with pdf file		
8	Applications which communicate with peripheral components		
9	FTP application		
10	Email Application		
11	Online message application		
12	Client-server application		
13	Working with multilayer		
14	Working with multilayer		

Course Learning Outcomes

No	Learning Outcomes
C01	To use the library applications
C02	To transfer data with different applications
C03	To make communication applications
C04	To make multiple tier applications

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	3	42
Assignments	1	10	10
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	1	10	10
Final examination	1	1	1
Total Work Load			120
ECTS Credit of the Course			4

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2030		WORK ETHIC			
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2030	WORK ETHIC	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

It is aimed to enable the students gain adequacies in terms of Professional Ethics

Teaching Methods and Techniques:

Oral and visual expression, practices, discussions, presentations, and homework

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:****Assistants:****Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences :		Education	:	
Engineering :		Science	:	
Engineering Design :		Health	:	
Social Sciences :	90	Field	:	10

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Analysing the concepts of ethics and morality		
2	Analysing the concepts of ethics and morality		
3	Analysing ethic systems		
4	Analysing ethic systems, studying the factors that lead to the development of morality		
5	Studying the factors that lead to the development of morality		
6	Analysing Professional Ethics		
7	Analysing Professional Ethics		
8	Analysing Professional Ethics		
9	Analysing Professional Ethics		
10	Analysing professional corruption and the results of non-ethical behaviour in Professional life		
11	Analysing professional corruption and the results of non-ethical behaviour in Professional life		
12	Studying the concept of social responsibility		
13	Studying the concept of social responsibility		
14	Studying the concept of social responsibility		

Course Learning Outcomes

No	Learning Outcomes
C01	Learning the concepts of ethics and morality
C02	Learning the ethic systems
C03	Getting to know the factors leading to the development of morality.
C04	Following the principles of ethics; Studying the results of Professional corruption and non-ethical behaviour.
C05	Learning the concept of social responsibility.

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	5	5	25
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			55
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2008 Vocational Foreign Language II					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2008	Vocational Foreign Language II	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

This lecture aims students to gain essential sufficiencies in the field of vocational foreign language

Teaching Methods and Techniques:

Written and oral communication in vocational issues, Translating the foreign concepts and sentences in the field of theory of computing into Turkish, Translating the foreign concepts and sentences in the field of computer networks into Turkish, Using the computer applications designed in foreign language efficiently

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Emre Gürbüz

Assistants:**Recommended or Required Reading**

Resources Check Your English Vocabulary for Computers and Information Technology (Jon Marks)
Vocational Foreign Language II Lecture Notes (Instructor Emre Gürbüz)

Course Category

Mathematics and Basic Sciences : 0	Education : 35
Engineering : 30	Science : 0
Engineering Design : 0	Health : 0
Social Sciences : 0	Field : 35

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Written and oral communication in vocational issues	Reading the lecture notes	Lecture Notes
2	Written and oral communication in vocational issues	Reading the lecture notes	Lecture Notes
3	Theory of computing (sentence translation)	Reading the lecture notes	Lecture Notes
4	Theory of computing (sentence translation)	Reading the lecture notes	Lecture Notes
5	Theory of computing (sentence translation)	Reading the lecture notes	Lecture Notes
6	Computer networks (sentence translation)	Reading the lecture notes	Lecture Notes
7	Computer networks (sentence translation)	Reading the lecture notes	Lecture Notes
8	Computer networks (sentence translation)	Reading the lecture notes	Lecture Notes
9	Midterm exam	General review and exercises	Lecture Notes
10	Software development tools designed in foreign language	Reading the lecture notes	Lecture Notes
11	Software development tools designed in foreign language	Reading the lecture notes	Lecture Notes
12	Image manipulation tools designed in foreign language	Reading the lecture notes	Lecture Notes
13	Data recovery tools designed in foreign language	Reading the lecture notes	Lecture Notes
14	Expressing the Turkish vocational concepts in foreign language	Reading the lecture notes	Lecture Notes
15	Expressing the Turkish vocational concepts in foreign language	Reading the lecture notes	Lecture Notes

Course Learning Outcomes**No Learning Outcomes**

C01	Being able to use the knowledge of vocational foreign language
C02	Being able to explain foreign vocational concepts and definitions
C03	Being able to translate the foreign concepts in the field of theory of computing into Turkish
C04	Being able to translate the foreign concepts in the field of computer networks into Turkish
C05	Being able to use the computer applications designed in foreign language efficiently

Program Learning Outcomes**No Learning Outcome**

P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	1	14	14
Presentation	0	0	0
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			58
ECTS Credit of the Course			2

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2074 MICROPROCESSORS					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2074	MICROPROCESSORS	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

Select a microcontroller, design algorithm and flow chart, write programs for the microcontroller, installing programmes to microcontroller

Teaching Methods and Techniques:

Oral and visual expression, laboratory practices, presentations, projects, homework

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:****Assistants:****Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 30	Education	:
Engineering	: 10	Science	: 20
Engineering Design	: 20	Health	:
Social Sciences	:	Field	: 20

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Microcontroller Architecture and Hardware		
2	Microcontroller Architecture and Hardware		
3	Microcontroller program installation		
4	To design algorithm		
5	Flow charts		
6	Microcontroller memory and registers		
7	Microcontroller memory and registers		
8	Microcontroller program commands		
9	Microcontroller program commands		
10	The basic input output programs		
11	Program compilation and error checking		
12	Buttons and LED applications with microcontroller		
13	LCD and 7 segment display applications with microcontroller		
14	Serial communications and applications with microcontroller		

Course Learning Outcomes

No	Learning Outcomes
C01	To recognize microcontroller architecture and hardware
C02	To design algorithms and flow diagrams
C03	Write programs for microcontroller
C04	To write basic microcontroller programs

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	3	42
Assignments	0	0	0
Presentation	1	10	10
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	14	2	28
Project	1	10	10
Final examination	1	1	1
Total Work Load			148
ECTS Credit of the Course			5

Contribution of Learning Outcomes to Programme Outcomes
bbb



Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	0	%0	Course Duration	0	0	0
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	0	0	0
Project	0	%0	Practice	0	0	0
Final examination	0	%0	Laboratory	0	0	0
Total		%0	Project	0	0	0
			Final examination	0	0	0
			Total Work Load			0
			ECTS Credit of the Course			0

Contribution of Learning Outcomes to Programme Outcomes



Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P16	To act in accordance with professional ethics
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P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	0	%0
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	0	%0
Total		%0

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	0	0	0
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	0	0	0
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	0	0	0
Total Work Load			0
ECTS Credit of the Course			0

Contribution of Learning Outcomes to Programme Outcomes





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2014 SYSTEM ANALYSIS AND- II					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2014	SYSTEM ANALYSIS AND- II	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

With this course the student, using his technical knowledge in the sector be able to create a viable project in detail.

Teaching Methods and Techniques:

Lecture, Research, Discussion, Implementation

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 20	Education	:
Engineering	: 20	Science	:
Engineering Design	: 20	Health	:
Social Sciences	:	Field	: 40

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Subject to select for a field project		
2	Information Obtained from Present		
3	Identify the threads and Working Environment in the Project with analysis		
4	Determining Types in which to save the Project data		
5	Information Obtained from Present		
6	Algorithm and Flow Chart to Identify the project		
7	Setting Up Of Working Platform Project		
8	Preparation of the Present		
9	Writing and Testing Code Project Main Topics		
10	Presentation of the project		
11	Get Detailed Proposals for the project, Project, Writing and Testing Code		
12	Project Report		
13	Project Prepare Project Installation Package		
14	Prepare the reportbooklet containing all the project Stages		

Course Learning Outcomes

No	Learning Outcomes
C01	Determine the scope of the final project
C02	Do more research on the subject project
C03	Preparation for the writing of the project code
C04	Writing project
C05	Installation package, and report preparation of the project, will gain competencies

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
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P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
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P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	5	6	30
Mid-terms	1	1	1
Practice	1	14	14
Laboratory	0	0	0
Project	1	8	8
Final examination	1	1	1
Total Work Load			96
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2020 SERVER OPERATING SYSTEM					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2020	SERVER OPERATING SYSTEM	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

With this course, students are aimed to gain proficiency on the management of the server operating system.

Teaching Methods and Techniques:

Lecture, Practice

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor ONUR CÖMERT

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences : 10	Education :
Engineering :	Science :
Engineering Design : 10	Health :
Social Sciences :	Field : 90

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Server Operating System Installation		
2	Server Operating System Setup and Management		
3	File System, Disc Clustering Systems(RAID)		
4	Disc Clustering Systems(RAID), File and Directory Management		
5	Data Sharing and Data Security		
6	Data Backup and Recovery		
7	Installing the Active Directory Service		
8	Creating User and Computer Accounts		
9	Advanced account management		
10	TCP/IP Networks		
11	Network Printing Services		
12	DHCP Service		
13	WINS Service		
14	DNS Service		

Course Learning Outcomes

No	Learning Outcomes
C01	The server operating system to prepare for use
C02	Perform data management
C03	The server operating system to manage the directory service
C04	Provide network management
C05	Manage network services

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
P15	To have knowledge of basic mathematical and physical subjects related to the field
P13	To gain the ability to plan processes related to the field in a way that will meet the expectations of the sector.
P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	4	56
Hours for off-the-c.r.stud	14	3	42
Assignments	0	0	0
Presentation	3	10	30
Mid-terms	1	1	1
Practice	0	0	0
Laboratory	5	2	10
Project	0	0	0
Final examination	1	1	1
Total Work Load			140
ECTS Credit of the Course			5

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2066		WEB EDITOR			
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2066	WEB EDITOR	3	3	3

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Elective

Objectives of the Course:

Bu ders ile öğrenciyi; WEB editörünü kullanarak WEB sayfası tasarlama yeterlikleri kazandırılacaktır.

Teaching Methods and Techniques:

Lecture, Practice

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:**

Instructor Hadi ESMERAY

Assistants:**Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 10	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	: 90

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Web Editor Basic Tools		
2	Text Operations		
3	Text Table Operations		
4	Multi-Media Operations		
5	Multi-Media Operations		
6	Links		
7	Operations Framework		
8	Frame Templates		
9	Frame Templates		
10	Library Operations		
11	Form Processing		
12	Interactive Elements		
13	Interactive Layer Operations		
14	Accessibility and Site Management		

Course Learning Outcomes

No	Learning Outcomes
C01	Temel WEB editörü işlemlerini yapmak
C02	WEB projesi için şablon oluşturmak
C03	WEB sayfaları içinde kullanıcı etkileşimli uygulamalar yapmak

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
P05	To know the structure of computer systems; have knowledge of installation, maintenance and repair
P04	Using office programs and package programs effectively
P03	Developing and implementing a solution to a problem in the shortest time, with the least cost and in the most effective way
P16	To act in accordance with professional ethics
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P07	To know the concept of data structure and its types; Selecting, developing and using the most appropriate data structure for solving a problem
P06	To know database concepts and types; using structured query language and developing interface forms in database applications
P02	Knowing different programming languages; to use it in the most efficient way by choosing the most suitable programming language for the solution of a problem.
P01	To know software development concepts, environments and methods; Developing software in various environments and with different methods based on this information
P18	Being an individual who adheres to Atatürk's principles and reforms
P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	3	42
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	7	3	21
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			79
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb





Tokat Gaziosmanpaşa University

Tokat Vocational School
Computer Programming

BP2010 WEB PROJECT MANAGEMENT					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
4	BP2010	WEB PROJECT MANAGEMENT	2	2	2

Mode of Delivery:

Face to Face

Language of Instruction:

Turkish

Level of Course Unit:

Associate

Work Placement(s):

No

Department / Program:

Computer Programming

Type of Course Unit:

Required

Objectives of the Course:

With this course, students will analyze whether the project, the process of safety management systems will be able to manage.

Teaching Methods and Techniques:

Computer Lab is used for applied visual teaching. Useful application samples are chosen and each student is given the opportunity to make their own sample.

Prerequisites and co-requisites:**Course Coordinator:****Name of Lecturers:****Assistants:****Recommended or Required Reading****Resources****Course Category**

Mathematics and Basic Sciences	: 5	Education	:
Engineering	: 5	Science	:
Engineering Design	: 10	Health	:
Social Sciences	:	Field	: 80

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Web site needs		
2	Web site needs		
3	Web site design		
4	Web site design		
5	WEB site preparation procedures for publication		
6	WEB site preparation procedures for publication		
7	Web site publishing operations		
8	Web site publishing operations		
9	Web site security settings		
10	Web site security settings		
11	Web site backups		
12	Web site backups		
13	Web site maintenance		
14	Web site maintenance		

Course Learning Outcomes

No	Learning Outcomes
C01	To make the analysis of web project with Draft and Site Concept Scheme creation module
C02	To manage publication process with Publishing Process module
C03	To make security management with Security Management module

Program Learning Outcomes

No	Learning Outcome
P14	Reading, listening, watching, understanding, preparing and presenting information resources in the field by gaining the ability to communicate in Turkish and foreign languages
P10	Programming, animation using graphic elements
P09	To know the concepts of information and internet technologies and internet connection methods; developing web-based programs, designing and publishing websites
P08	To have knowledge about operating systems and network technologies; gain skills in their installation, management and problem solving
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P17	To have effective methods of using Turkish
P11	Developing computer-based projects in accordance with standards
P12	Gaining teamwork skills

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	14	2	28
Hours for off-the-c.r.stud	14	1	14
Assignments	0	0	0
Presentation	1	10	10
Mid-terms	1	1	1
Practice	14	1	14
Laboratory	0	0	0
Project	1	10	10
Final examination	1	1	1
Total Work Load			78
ECTS Credit of the Course			3

Contribution of Learning Outcomes to Programme Outcomes
bbb

