



Tokat Gaziosmanpaşa University

Tokat Vocational School Front-End Software Development

OYYG109	MATHEMATICS				
Semester	Code	Name	T+P	Credit	ECTS
1	OYYG109	MATHEMATICS	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Çiğdem Öztaş	None

The aim of lesson :

Give the key concept to student to solve basic math problems related to computer programs

Course Contents :

Arithmetic and algebraic operations, the first order one and two unknowns Equations, simple inequalities, Base and Root-making and problem-solving (Percent, age, speed problems, etc.)



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ENF100	INFORMATION TECHNOLOGIES AND OFFICE SOFTWARE				
Semester	Code	Name	T+P	Credit	ECTS
1	ENF100	INFORMATION TECHNOLOGIES AND OFFICE SOFTWARE	2	2	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Dr. Onur CÖMERT	None

The aim of lesson :

he aim of this course is to provide students with basic computer competencies related to Office Applications (Microsoft Word, Excel, PowerPoint). Students will gain the ability to prepare documents, create tables and charts, perform data analysis, and design presentations using office software.

Course Contents :

Microsoft Word: Creating, saving, editing documents, page layout, references, and review tools. Microsoft Excel: Cell operations, data formatting, filtering, chart creation, and formula use. Microsoft PowerPoint: Preparing presentations, adding text and visuals, using slide transitions and animations.



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OYYG106	JAVASCRIPT FRAMEWORKS				
Semester	Code	Name	T+P	Credit	ECTS
2	OYYG106	JAVASCRIPT FRAMEWORKS	4	4	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Dr. Emre Gürbüz emregurbuz.tc emre.gurbuz@gop.edu.tr	None

The aim of lesson :

The aim of this course is to teach students, through practical applications, component-based interface development, event handling, data flow, and hook systems using modern JavaScript libraries and frameworks such as React and Vue.js.

Course Contents :

Introduction to React, React ES6, HTML Content Creation, JSX Usage, Components, Props, Events, Conditional Rendering, Lists, Forms, React Router, Caching, Styling with CSS, Styling with Sass, React Hooks, Introduction to Vue.js, Directives, Events, Methods, Event Modifiers, Forms, CSS Binding, Computed Properties, Watchers, Templates, Components, Props, Fallthrough Attributes, Scoped Styles, Slots, Dynamic Components, Teleport, HTTP Requests, Template Refs, Routing, Lifecycle Hooks, Provide/Inject, Form Inputs, Animations, Project Building, Composition API



Tokat Gaziosmanpaşa University

Tokat Vocational School Front-End Software Development

OYYG101	VISUAL DESIGN I				
Semester	Code	Name	T+P	Credit	ECTS
1	OYYG101	VISUAL DESIGN I	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program		Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development			None	Instructor Hadi ESMERAY	None
The aim of lesson :					
To qualify the students to prepare and produce graphic and animation programmes that work within the internet medium					
Course Contents :					
Oral presentations, discussions, lecture, project, laboratory practices					



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OYYG105	DATABASE QUERY LANGUAGES				
Semester	Code	Name	T+P	Credit	ECTS
1	OYYG105	DATABASE QUERY LANGUAGES	4	4	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program		Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development			None	Instructor Dr. ONUR CÖMERT	None
The aim of lesson :					
The aim of this course is to provide students with the ability to perform advanced database operations, write complex SQL queries, and effectively use database management systems.					
Course Contents :					
The course covers advanced SQL queries, subqueries, triggers and stored procedures, data integrity, performance optimization, indexing, user authorization, transaction management, and applied database projects.					



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OYYG107	ALGORITHMS				
Semester	Code	Name	T+P	Credit	ECTS
1	OYYG107	ALGORITHMS	2	2	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition		Course Coordinator	Instructor	Course Assistants
Front-End Software Development			None	Instructor Dr. Emre Gürbüz emregurbuz.tc emre.gurbuz@gop.edu.tr	None

The aim of lesson :
The purpose of this course is to teach students algorithm development methods and to equip them with problem-solving skills by designing basic algorithmic structures and using visual algorithm tools (Flowgorithm).
Course Contents :
Introduction to Algorithms, Basic-Level Algorithms, Decision Making and Conditional Statements, Repetitive Processes and Loops, Algorithm Reusability and Procedures, Fault-Tolerant Algorithm Design, Algorithm Design for Solving Various Problems



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KRY102	Career Planning				
Semester	Code	Name	T+P	Credit	ECTS
2	KRY102	Career Planning	1	1	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Dr. Hadi ESMERAY	None

The aim of lesson :

The Career Planning course aims to help students understand the business world, various industries, and the requirements of these sectors, while raising awareness among students about the importance of career planning as they prepare to enter the workforce. The course helps students discover their personal competencies and accurately understand the expectations of the professional world; it assists them in developing their knowledge and skills in a way that aligns with the requirements of relevant industries.

Course Contents :

Course Overview and Career Concepts National and International Exchange Programs Basic Communication Skills Industry Days (Non-Profit Organizations) Soft Skills Industry Days (Public Sector) Diction and Body Language Resume and Cover Letter Preparation Industry Days (Private Sector) Effective Interview Techniques Industry Days (Academia) Industry Days (Entrepreneurship) Course Evaluation and Project Details



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Tokat Vocational School Front-End Software Development

İNG102	English II				
Semester	Code	Name	T+P	Credit	ECTS
2	İNG102	English II	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Hatice Tüzün Paçcı	None

The aim of lesson :

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

Course Contents :

Compulsory Foreign Language Course (English)



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ALM101	GERMAN I				
Semester	Code	Name	T+P	Credit	ECTS
1	ALM101	GERMAN I	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	German	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Erdal ÖRDEK İSPİRLİ	None

The aim of lesson :

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.

Course Contents :

General main course of german language.



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AIİT101	Ataturk's Principles and History of Turkish Revolution I				
Semester	Code	Name	T+P	Credit	ECTS
1	AIİT101	Ataturk's Principles and History of Turkish Revolution I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program		Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development			None	Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sadet ALTAY Specialist Dr. Sabri ZENGİN Specialist Dr. Adnan GELMEZ Specialist Dr. İzzet Bahri ATEŞLİ	None

The aim of lesson :

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.

Course Contents :

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



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TD101	Turkish Language I				
Semester	Code	Name	T+P	Credit	ECTS
1	TD101	Turkish Language I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program		Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development			None	Instructor Dr. ERDAL BARAN	None

The aim of lesson :

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Course Contents :

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



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Tokat Vocational School Front-End Software Development

İNG101	English I				
Semester	Code	Name	T+P	Credit	ECTS
1	İNG101	English I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program		Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development			None	Instructor H.Tüzün PAÇCI	None

The aim of lesson :

As a result of this course, students will be able to use the basic structures to express themselves. This course aims at giving the students basics of English at beginner level.

Course Contents :

Compulsory Foreign Language Course (English)



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OYYG111	WEB DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
1	OYYG111	WEB DESIGN	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Hadi ESMEYAY	None

The aim of lesson :

To enable the students perform HTML applications for WEB projects

Course Contents :

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



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Tokat Vocational School Front-End Software Development

ALM102	GERMAN II				
Semester	Code	Name	T+P	Credit	ECTS
2	ALM102	GERMAN II	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	None	None

The aim of lesson :

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

Course Contents :

Current issues in the presence of basic German grammar



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Tokat Vocational School Front-End Software Development

AIİT102	Ataturk's Principles and History of Turkish Revolution II				
Semester	Code	Name	T+P	Credit	ECTS
2	AIİT102	Ataturk's Principles and History of Turkish Revolution II	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Asist Prof.Dr. Fatih YAZICI Prof.Dr. İsa Tak Yasemin Er Tuna	None

The aim of lesson :

The Republic of turkey in terms of what the sacrifice, such as how to teach that.

Course Contents :

Proclamation of the republic, Ataturk's Principles and Revolutions, the Republican period, the Internal and External Developments



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TD102	Turkish Language II				
Semester	Code	Name	T+P	Credit	ECTS
2	TD102	Turkish Language II	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Cafer Akin	None

The aim of lesson :

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.

Course Contents :

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



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OYYG103	JAVASCRIPT PROGRAMMING				
Semester	Code	Name	T+P	Credit	ECTS
1	OYYG103	JAVASCRIPT PROGRAMMING	4	4	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Dr. Emre Gürbüz emregurbuz.tc emre.gurbuz@gop.edu.tr	None

The aim of lesson :

The aim of this course is to provide students with basic coding skills in the web-based software development process using the JavaScript programming language; and to equip them with competence in variables, operators, conditional statements, loops, arrays, objects, functions, classes, and browser-based interaction.

Course Contents :

Introduction to JavaScript Programming, Data and Operators, Multiple Values, Conditional Statements, Loops, Functions, Classes, Built-in JavaScript Methods, Document Object Model (DOM), Interactive Content and Event Listeners, Regular Expressions, Error Handling, Cookies, Local Storage, JSON, Concurrency



Tokat Gaziosmanpaşa University

Tokat Vocational School Front-End Software Development

OYYG102	VISUAL DESIGN II				
Semester	Code	Name	T+P	Credit	ECTS
2	OYYG102	VISUAL DESIGN II	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Front-End Software Development		None	Instructor Hadi ESMEYAY	None

The aim of lesson :

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

Course Contents :

Oral presentations, discussions, lecture, project, laboratory practices