



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

D0000107	Ataturk's Principles and History of Turkish Revolution II				
Semester	Code	Name	T+P	Credit	ECTS
2	D0000107	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	
Electronics Technology		None	Specialist Dr. Adnan GELMEZ Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sadet ALTAY Specialist Dr. Sabri ZENGİN	None	

The aim of lesson :

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.

Course Contents :

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



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D0000140	English I				
Semester	Code	Name	T+P	Credit	ECTS
1	D0000140	English I	3	3	3
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	
Electronics Technology		None	Instructor Burçak TÜRK	None	

The aim of lesson :

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.

Course Contents :

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



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D0000141	English II				
Semester	Code	Name	T+P	Credit	ECTS
2	D0000141	English II	3	3	3
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	
Electronics Technology		None	Instructor Osman Öncü	None	

The aim of lesson :

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

Course Contents :

Compulsory Course



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D0000194	Turkish Language I				
Semester	Code	Name	T+P	Credit	ECTS
1	D0000194	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
Electronics Technology		None	Asist Prof.Dr. YAVUZ GÜNEŞ	None

The aim of lesson :

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

Course Contents :

To improve students' love and understanding of mother tongue who are studying in various departments in accordance with the constantly progressing conditions of the age; to emphasize the connection between language and thought; to enlighten individuals who are scientifically productive, creative, able to use their mother tongue accurately and equipped with contemporary knowledge, in language and literature history.



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D0000195	Turkish Language II				
Semester	Code	Name	T+P	Credit	ECTS
2	D0000195	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
Electronics Technology		None	Instructor Yalçın KULAÇ	None

The aim of lesson :

To make studens become familiar with the correct, beautiful and efficient use of the Tuekish language to maket hem base the written and spoken intercourse of the language on strong principals to maket hem gain their skills in correspondence, presentatations and ezplanations succesfully 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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EN-1041	GENERAL MATHEMATICS				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1041	GENERAL MATHEMATICS	3	3	5

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
Electronics Technology		None	Çiğdem ÖZTAŞ	None

The aim of lesson :

Increasing the ability of basic arithmetic and algebraic operation and it is aimed to know the basic mathematical and geometrical definitions. In addition, these basic mathematical concepts used in practice to know which areas and fields to associate with.

Course Contents :

The course provides using fundamental mathematical knowledges efficiently in business life and to know practical areas



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EN-1042	VOCATIONAL MATHEMATICS				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1042	VOCATIONAL MATHEMATICS	2	2	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
Electronics Technology		None	Instructor Mehmet EROĞLU	None

The aim of lesson :

our goal is provide students with clear understanding of the ideas of mathematics as a solid foundation for subsequent courses in math and other disciplines.

Course Contents :

The concept of function, quadratic equations, and Trigonometrik functions, complex numbers, the limit of a function and its derivative, Matrices and Determinants



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EN-1051	MEASURING TECHNIQUE				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1051	MEASURING TECHNIQUE	4	4	5

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
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

This course aims to teach the student enrolling this class: how to perform measurement and calibration, how to perform error analysis, how to evaluate electric and electronics metrics and the operation principles of measuring devices.

Course Contents :

Using a measuring instrument Measurements of electrical and electronic circuits



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EN-1052	ELECTRONICS-I				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1052	ELECTRONICS-I	4	4	5

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
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

The active and passive electronic components and properties

Course Contents :

Electronic circuit components, semiconductor materials, the structure and types of diodes, rectifier circuits, transistor definition, structure and types, JFET definition, structure and types, MOSFET



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D0000106 Ataturk's Principles and History of Turkish Revolution I					
Semester	Code	Name	T+P	Credit	ECTS
1	D0000106	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	
Electronics Technology		None	Specialist Dr. Sadet ALTAY Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Adnan GELMEZ Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sabri ZENGİN	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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EN-2046 ELECTRIC MOTORS AND DRIVES					
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2046	ELECTRIC MOTORS AND DRIVES	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	
Electronics Technology		None	Instructor Burak KARA	None	

The aim of lesson :

In this course, all kinds of asynchronous and synchronous ends of the presence of electrical machines, commissioning and operation of binding to and is intended to gain qualifications.

Course Contents :

Lecture, Practice, Homework, Project



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EN-2047 MICROCONTROLLERS					
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2047	MICROCONTROLLERS	4	4	5
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	
Electronics Technology		None	Instructor Umut SARAY	None	

The aim of lesson :

Explains microprocessor and microcontroller features, structure, operation

Course Contents :

Lecture, Question and Answer, and computer assisted instruction management and techniques will be used.



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EN-2048	PROGRAMMABLE CONTROLLERS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2048	PROGRAMMABLE CONTROLLERS	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	
Electronics Technology		None	Instructor M.Taner TUNCAY	None	
The aim of lesson : Programmable logic controllers understand the structure and working, ladder diagram and PLC programming, PLC programming interpret existing programs with a solution to a problem, interpret and develop the skills to win.					
Course Contents : Programmable controllers, PLCs basic units, logic operations, programming, ladder diagram and ladder diagram programming instructions, set- reset commands, timer-counter applications, comparison instructions, PLC automation systems design using					



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EN-2049	SYSTEM ANALYSIS AND DESIGN-I				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2049	SYSTEM ANALYSIS AND DESIGN-I	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	
Electronics Technology		None	Instructor Tufan DOĞRUER	None	
The aim of lesson : This course is intended to provide information and gain skills the implementation project design, implementation.					
Course Contents : Research a project subject, planning the project steps, preparing the parts of the project, writing and presentation of the project.					



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EN-2004	SENSORS AND TRANSDUCERS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2004	SENSORS AND TRANSDUCERS	3	3	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	
Electronics Technology		None	Instructor M.Taner TUNCAY	None	
The aim of lesson : In this course, each kind of sensor, the corresponding circuit is aimed to gain the knowledge and skills to use.					
Course Contents : Sensor and transducer concepts, homes, work places and the sensors used in industry recognition, to use the work, make the appropriate selection of sensors is discussed.					



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EN-2051	ELECTRICAL INSTALLATIONS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2051	ELECTRICAL INSTALLATIONS	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	
Electronics Technology		None	Instructor Yasemin İÇMEZ	None	
The aim of lesson :					
The aim is to gain skills on applying weak and strong current installation circuits					
Course Contents :					
Lecture, Practice, Homework, Project					



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EN-2052	Vocational Foreign Language II				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2052	Vocational Foreign Language II	3	3	3
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	
Electronics Technology		None	None	None	
The aim of lesson :					
Bu derste öğrenciyi; temel mesleki kavram ve tanımları ile İngilizce mesleki katalogları okuyup anlaması yeterliliklerinin kazandırılması amaçlanmıştır.					
Course Contents :					



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EN-2053	HOME DEVICES				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2053	HOME DEVICES	3	3	3
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	
Electronics Technology		None	Instructor M.Taner TUNCAI	None	
The aim of lesson :					
In this course; promote home appliance aimed to gain the knowledge and skills					
Course Contents :					
Washer and dryer to introduce devices. Heating and cooking equipment to promote. To introduce cooling devices.					



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EN-2023	CONTROL CIRCUITS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2023	CONTROL CIRCUITS	3	3	3

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
Electronics Technology		None	Instructor Mehmet Taner TUNCAY	None

The aim of lesson :

In this course, students will be able to assemble electromechanical control equipments and control one phase, three-phase asynchronous and direct current motors running, change the direction of the speed, braking operations using electromechanical components.

Course Contents :

Lecture, Practice, Homework, Project



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EN-2022	CONTROL SYSTEMS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2022	CONTROL SYSTEMS	3	3	3

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
Electronics Technology		None	Umut SARAY	None

The aim of lesson :

In this course, open-loop and closed-loop proportional-integral-derivative control systems are intended to gain qualifications on.

Course Contents :

Open and closed loop control systems, electromechanical control systems, microcontroller based control systems



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EN-2056	ADVANCED MICROCONTROLLERS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2056	ADVANCED MICROCONTROLLERS	3	3	3

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
Electronics Technology		None	None	None

The aim of lesson :

Bu derste mikrodenetleyici seçmek, algoritma ve akış diyagramı tasarlamak, mikrodenetleyici için program yazmak, mikrodenetleyiciye program yüklemek ve temel uygulamalar yapmak yeterliklerin kazandırılması amaçlanmaktadır.

Course Contents :



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EN-1053	DIRECT CURRENT CIRCUIT ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1053	DIRECT CURRENT CIRCUIT ANALYSIS	4	4	5

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
Electronics Technology		None	Tufan DOĞRUER	None

The aim of lesson :

Implementation of the principles of electrical current and do all direct current electric circuits solutions to gain qualifications aimed .

Course Contents :

Static electricity, current and voltage, resistance and variations Ohms Law, Power, Energy, Efficiency, and electrical power supplies Kirchhoffs laws and the parallel circuit series circuit Serial and parallel circuits, single-source solutions The circuit solution methods Circuit theorems Capacitors and DC behavior RC circuits, DC analysis, transient events Inductance and DC behavior R - L circuits, DC analysis, transient events



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EN-1054	ALTERNATING CURRENT CIRCUIT ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1054	ALTERNATING CURRENT CIRCUIT ANALYSIS	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
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

The terms of alternating current circuits can recognize and able to make necessary alternative circuit analyze

Course Contents :

The Alternative circuit terms, Obtaining an alternating current, Circuit analysis



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EN-2021	ELECTROMECHANICAL CARRIERS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2021	ELECTROMECHANICAL CARRIERS	3	3	3

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
Electronics Technology		None	Volkan KARACA	None

The aim of lesson :

In this course; electromechanical installation of electric vehicle aims to impart knowledge and skills.

Course Contents :



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EN-2028	WEB DESIGN BASICS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2028	WEB DESIGN BASICS	3	3	3
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	
Electronics Technology		None	None	None	
The aim of lesson : Bu ders ile öğrenci; WEB projesi için HTML işlemlerini yapma yeterlikleri kazandırılacaktır. Course Contents :					



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EN-2030	INDUSTRIAL NETWORKS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2030	INDUSTRIAL NETWORKS	3	3	3
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	
Electronics Technology		None	None	None	
The aim of lesson : Bu derste, bilgisayar ağlarının ve endüstriyel ağların kurulması işlemlerine ait yeterliklerin kazandırılması amaçlanmaktadır. Course Contents :					



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EN-2066	MEDICAL DEVICES				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2066	MEDICAL DEVICES	3	3	3
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	
Electronics Technology		None	Instructor YASİN CEM DUYMUŞ	None	
The aim of lesson : Bu derste; Tıbbi cihazların elektrik montajı yapabilme bilgi ve becerilerinin kazandırılması amaçlanmaktadır. Course Contents :					



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EN-2032	BIOLOGICAL EFFECT OF ELECTROMAGNETIC WAVE				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2032	BIOLOGICAL EFFECT OF ELECTROMAGNETIC WAVE	3	3	3

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
Electronics Technology		None	None	None

The aim of lesson :

Bu derste; insan yaşamında kullanılan cihazların yaydıkları elektro manyetik dalgalar, bu dalgaların canlılar üzerinde etkileri incelenerek yapabileme bilgi ve becerilerinin kazandırılması amaçlanmaktadır.

Course Contents :



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EN-2034	ELECTRONIC SECURITY SYSTEMS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2034	ELECTRONIC SECURITY SYSTEMS	3	3	3

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
Electronics Technology		None	Instructor Burak KARA	None

The aim of lesson :

Each student, closed-circuit cameras and access control system to control the system, install your system, fire detection, alarm system wiring and robbery alarm system will learn to harness.

Course Contents :

To check the connection and installation elements Off-circuit camera systems. To repair the connection and installation elements Off-circuit camera systems. Elements access control system, access control systems and installation of the connection elements. Transition to maintenance and repair of control systems. Fire and fire alarm control panel and installation, alarm detectors connections. Installing burglar alarm systems. Repairing burglar alarm systems



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EN-2036	SCADA SYSTEMS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2036	SCADA SYSTEMS	3	3	3

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
Electronics Technology		None	None	None

The aim of lesson :

Bu derste, Scada sistemi kurma ve kayıt tutma işlemlerine ait yeterliklerin kazandırılması amaçlanmaktadır.

Course Contents :



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EN-2002	FAILURE ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2002	FAILURE ANALYSIS	3	3	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	
Electronics Technology		None	Instructor B. Okan İÇMEZ	None	
The aim of lesson : Comprehension of measurement and diagnosis logic, development maintenance and trouble shooting capability					
Course Contents : Diagnosis (troubleshooting) and maintenance by using measurement and test devices					



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EN-2001	POWER ELECTRONICS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2001	POWER ELECTRONICS	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	
Electronics Technology		None	Instructor Burak KARA	None	
The aim of lesson : In this course; semiconductor switching elements, rectifier and chopper circuits for applications aimed to gain knowledge and skills.					
Course Contents : semiconductor switching elements					



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EN-2024	ESCALATOR / BAND SYSTEMS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2024	ESCALATOR / BAND SYSTEMS	3	3	3
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	
Electronics Technology		None	None	None	
The aim of lesson : Bu derste; yürüyen merdiven/bant montajı, bakım ve onarımını yapma bilgi ve becerilerinin kazandırılması amaçlanmaktadır.					
Course Contents :					



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EN-2026	RADIO TV TECHNOLOGY				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2026	RADIO TV TECHNOLOGY	3	3	3
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	
Electronics Technology		None	None	None	
The aim of lesson : Bu derste Radyo, TV, VCD, DVD, Uydu Alıcısı ve Video kameranın tamir ve bakımını yapmak yeterliliklerinin kazandırılması amaçlanmaktadır. Course Contents :					



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EN-1001	DIGITAL ELECTRONICS				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1001	DIGITAL ELECTRONICS	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	
Electronics Technology		None	Instructor Tufan DOĞRUER	None	
The aim of lesson : In this lesson; basic logic circuits, compound arithmetic logic circuits and logic circuits is aimed to gain the knowledge and skills to establish. Course Contents : Binary number system, the logical state analysis, the logical solution of problems					



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EN-1002	COMPUTER AIDED CIRCUIT DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1002	COMPUTER AIDED CIRCUIT DESIGN	3	3	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	
Electronics Technology		None	Instructor B.Okan İÇMEZ	None	
The aim of lesson : To make computer-aided circuit simulation and computer-aided design of electronic cards Course Contents : Electronic circuit design, Simulation of electronic circuits, Electronic card design					



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EN-1057	INFORMATION AND COMMUNICATION TECHNOLOGIES				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1057	INFORMATION AND COMMUNICATION TECHNOLOGIES	3	3	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
Electronics Technology		None	Instructor Ömer Faruk GÜRBÜZ	None

The aim of lesson :

Gaining the qualifications about using effectively information communication technologies and basic computer programs.

Course Contents :

Internet and Internet Browser, E-mail Management Newsgroups / Forums, Web-Based Learning, Personal Web Site Preparation, Electronic Commerce, Curriculum vitae in Word Processor Program Internet & Jobs Preparation to job interview Trading Statement Formulas and Functions Graphics Presentation Preparation Introductory Material Preparation



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EN-1022	OCCUPATIONAL SAFETY				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1022	OCCUPATIONAL SAFETY	3	3	3

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
Electronics Technology		None	None	None

The aim of lesson :

Bu ders ile öğrenci; ilkyardım tedbirleri alacak ve çalışma emniyeti sağlama ile ilgili yeterliklerinin kazandırılması amaçlanmaktadır.

Course Contents :



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EN-1024	INDUSTRIAL ROBOTS				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1024	INDUSTRIAL ROBOTS	3	3	3

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
Electronics Technology		None	Instructor B. Okan İÇMEZ	None

The aim of lesson :

This course belongs to industrial robot programming and maintaining process is intended to gain qualifications.

Course Contents :

Robot definition, industrial robots definitions, international robot forces, robot history, robot components, Robot Classification, robots working spaces, robot programming patterns, robot programming programs, actuators, robots, power and control unit, servo motors, stepper motors, pneumatic and hydraulic components special robot sensors.



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EN-1026	ALGORITHMS AND PROGRAMMING				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1026	ALGORITHMS AND PROGRAMMING	3	3	3
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	
Electronics Technology		None	None	None	
The aim of lesson :					
Bu ders ile öğrencinin, ALGORİTMALAR ile ilgili yeterliklerin kazandırılması amaçlanmaktadır.					
Course Contents :					



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EN-1028	DIGITAL DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1028	DIGITAL DESIGN	3	3	3
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	
Electronics Technology		None	Instructor Burak KARA	None	
The aim of lesson :					
Able to circuits design using flip-flops, Able to circuits design using IC, Able to make A / D and D / A converter					
Course Contents :					
Flip flops, Counters, Registers, A / D and D / A converters					



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EN-2041	COMPUTER AIDED DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2041	COMPUTER AIDED 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	
Electronics Technology		None	Instructor Yasemin İÇMEZ	None	
The aim of lesson :					
With this course, it is aimed to make two dimensional drawing with CAD package program.					
Course Contents :					
General introduction, opening files, saving output, select objects, delete and undo, capture points, drawing commands, editing commands, block commands, dimensioning, text, layers, screen editing commands.					



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EN-2042	SYSTEM ANALYSIS AND DESIGN-II				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2042	SYSTEM ANALYSIS AND DESIGN-II	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
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

Students divided into groups, implementation project design, circuit design is aimed to gain the knowledge and skills.

Course Contents :

implementation project design



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EN-2043	ELECTRONICS-II				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2043	ELECTRONICS-II	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
Electronics Technology		None	Volkan KARACA	None

The aim of lesson :

With this course, electronic circuits and printed circuit board that can be drawn with the program will be able to process.

Course Contents :

operational amplifiers and applications