Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

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
Electricity		None	Instructor Dr. ERDAL BARAN	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 writen 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.

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL1004	ALTERNATIVE CURRENT CIRCUIT ANALYSIS					
Semester	Code	Name		T+P	Credit	ECTS
2	EL1004	ALTERNATIVE 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
Electricity		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

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

AİİT102	Ataturk's Principles and History of Turkish Revolution II					
Semester	Code	Name		T+P	Credit	ECTS
2	AİİT102	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
Electricity		None	Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sadet ALTAY Specialist Dr. Sabri ZENGİN Specialist Dr. Adnan GELMEZ	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 strenghten these principles

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL1008	COMPUTER AIDED DRAWING					
Semester	Code	Name		T+P	Credit	ECTS
2	EL1008	COMPUTER AIDED DRAWING		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
Electricity		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

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2055	POWER ELECTRONICS					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2055	POWER ELECTRONICS		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
Electricity		None	Instructor YAVUZ SELİM ARI	None

The aim of lesson :
This course aims at teaching the skills about the semiconductor switching elements, rectifier and chopper circuit for the information and applications.
Course Contents :
Thyristors and Trigger Circuits, Triac, Diya, MOSFET, IGBT Circuits, Single-phase Controlled and Uncontrolled Rectifier Circuits, Three-Phase Controlled and Uncontrolled Rectifier Circuits, Single-phase AC Choppers, Three- phase AC Choppers, Reducer and Amplifier Choppers, Current-fed Inverter, Voltage-fed Inverter, Direct Frequency Converters.

Tokat Gaziosmanpaşa University

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Electricity

EL2051	HYDRAULIC PNEUMATIC					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2051	HYDRAULIC PNEUMATIC		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
Electricity		None	Mehmet Taner TUNCAY	None

The aim of lesson :
Bu derste, hidrolik pnömatik sistemlerin kurulumunu yapma işlemlerine ait yeterliklerin kazandırılması amaçlanmaktadır.
Course Contents :

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2043	OCCUPATIONAL HEALTH AND SAFETY					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2043	OCCUPATIONAL HEALTH AND 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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
The right to live and work in order to maintain the health and safety measures, parties the duties, powers, responsibilities, rights and obligations to inform about. Labour relationship with the skill to maintain the framework of occupational health and safety legislation.
Course Contents :
first aid education and job security

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2050	IN QUALITY ASSURANCE AND STANDARTS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2050	IN QUALITY ASSURANCE AND STANDARTS		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
Electricity		None	Associate Prof.Dr. TUFAN DOĞRUER	None

The aim of lesson :
With this course, in business life and standards related to quality assurance of qualifications to teach
Course Contents :
Oral and visual expression, presentation, discussion, practice, homework

Tokat Gaziosmanpaşa University

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Electricity

EL2053	Vocational Foreign Language I					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2053	Vocational Foreign Language 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
Electricity		None	Associate Prof.Dr. CEM EMEKSİZ	None

The aim of lesson :
The aim of the course is to enable students to be aware of their vocational terminology in English language, to improve their capability in expressing themselves in business environment, and to achieve self-confidence in language use in international activities.
Course Contents :
Unit Exercises / listening / videos

Tokat Gaziosmanpaşa University

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Electricity

EL2041	BOARD DESIGN AND INSTALLATION					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2041	BOARD DESIGN AND INSTALLATION		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
Electricity		None	Asist Prof.Dr. ABDULKADİR GÖZÜOĞLU	None

The aim of lesson :
Materials, in accordance with the standards of the project and the selection and clipboard mounting, cable and busbar connections between devices to be accurate and in compliance with standards, rather than testing and installation of all types of panels to gain competency.
Course Contents :
Characteristics and the use of tools and equipment used in the construction of electrical panels explaining Types of switches used in electrical panels explaining the features and operating principles Explanation of features and operating principles used in electrical panels, types of insurance Explanation of the design and construction of a single-phase electrical panels, lighting fittings Explanation of the design and construction of the main panel of three-phase systems One-and three-phase systems drawing boards explaining the internal circuits Explanation of the design and construction of three-phase power supplies electrical panels Drawing boards explaining the internal circuits of electric three-phase power supplies Explanation of the design and construction of medium voltage transformer cabinets mail Explanation of the design and construction of high-voltage measuring cell panels Explanation of the design and construction of the control distribution panels Explanation of the design and construction of the operator control panels Explanation of the design and construction of the compensation boards Explanation of the design and construction of the compensation boards.

Tokat Gaziosmanpaşa University

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Electricity

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
Electricity		None	Instructor H.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)

Tokat Gaziosmanpaşa University

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Electricity

EL1002	MATHEMATICS II					
Semester	Code	Name		T+P	Credit	ECTS
2	EL1002	MATHEMATICS II		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
Electricity		None	Instructor Çiğdem ÖZTAŞ	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

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2045	INTRODUCTION INSTALLATION					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2045	INTRODUCTION INSTALLATION		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
Electricity		None	Instructor B. Okan İÇMEZ	None

The aim of lesson :
Recognizes the need for energy efficiency in understanding the compensation systems. Understand the importance of the protection installations. Security installations, applications used today to learn.
Course Contents :
Effects of the network power factor and reactive loads. The purpose of the compensation system and the general structural properties, Compensation system for the power, power factor, and the forces of compensation calculations, Creation and implementation of compensation Installations, Harmonics, harmonic filters, the implementation, Lightning protection systems characteristics, types, Lightning protection for the discovery and calculation Installations, Installations implementation of Lightning, The creation of the ground installations, The creation of the ground installations, Midterm Exam, The creation of the ground installations, Purpose and scope of Security Systems, Make Security Systems Installation, Make Security Systems Installation, Closed-circuit video systems, Closed-circuit video systems,

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2003	DIGITAL ELECTRONICS					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2003	DIGITAL ELECTRONICS		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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
In this course, different number systems and conversions to do with the process, the basic logical circuits and compound will be able to design logic circuits. sequential logic
Course Contents :
Number Systems, Doors, Boola Algebra, encoders, decoders, Timers, Counters, Adders, Removers

Tokat Gaziosmanpaşa University

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Electricity

EL1010	TRANSFORMER AND D.C. MACHİNES					
Semester	Code	Name		T+P	Credit	ECTS
2	EL1010	TRANSFORMER AND D.C. MACHİNES		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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
The aim of this course is to teach the structures of electric machines and their working principles.
Course Contents :
DA structure and operating principles of electric machines, armature winding required for calculations, drawing diagrams armature winding, armature reaction and commutation machines, DA, DA DA engines, generators and parallel to the binding, DC motors, electric motors opposing force (emf), engine speed adjustment DA, DA loss of engine efficiency, sample problems, a special type of DC machines, transformers operating principles, structures, single and three phase transformers, winding connections, work patterns, parallel connection of transformers, sample problems, a special type transformers.

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Tokat Vocational School
Electricity

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
Electricity		None	Instructor Dr. ERDAL BARAN	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 writen 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.

Tokat Gaziosmanpaşa University

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Electricity

EL2001	ASYNCHRONOUS AND SYNCHRONOUS MACHIN					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2001	ASYNCHRONOUS AND SYNCHRONOUS MACHIN		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
Electricity		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

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2005	COMPUTER AIDED PROJECT I					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2005	COMPUTER AIDED PROJECT I		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
Electricity		None	Faculty Member ALKHANSA OSMAN MOHAMMED ABDALLA	None

The aim of lesson :
In this course, students will draw the electronic circuits and they will prepare the printed circuit board with the program
Course Contents :
1. Electrical Circuits Drawing Program 2. Project Applications

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Tokat Vocational School
Electricity

EL1012	ELECTRIC POWER PLANTS					
Semester	Code	Name		T+P	Credit	ECTS
2	EL1012	ELECTRIC POWER PLANTS		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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
To know the methods of obtaining electrical energy,Kinds of the electrical power plants,To learn working principles and operating specifications....
Course Contents :
Lecture, Practice, Homework, Project

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2007	ELECTROMECHANICAL CONTROL SYSTEMS					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2007	ELECTROMECHANICAL CONTROL SYSTEMS		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
Electricity		None	Instructor YAVUZ SELİM ARI	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

Tokat Gaziosmanpaşa University

Tokat Vocational School
Electricity

EL2009	HOME DEVICES					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2009	HOME DEVICES		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
Electricity		None	Mehmet Taner TUNCAY	None

The aim of lesson :
Bu derste; ev cihazlarını tanıtmaya yönelik bilgi ve becerilerin kazandırılması amaçlanmaktadır
Course Contents :

Tokat Gaziosmanpaşa University

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Electricity

EL2004	SPECIAL DESIGNED MOTORS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2004	SPECIAL DESIGNED MOTORS		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
Electricity		None	Instructor B. Okan İÇMEZ	None

The aim of lesson :
All kinds of tips have custom-designed engines, commissioning and operation of connected transactions aimed to gain qualifications.
Course Contents :
The structure and operation of stepper motors, servo motors, the structure and operation, structure and operation of single-phase auxiliary winding motors, universal motors and operation of the structure, the structure and operation of linear motors, shade pole motors and operation of the structure.

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Electricity

EL2047	ELECTRONIC CIRCUIT DESIGN					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2047	ELECTRONIC CIRCUIT 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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
The student, with computer circuits and printed circuit schematic drawing of-print loop preparation.
Course Contents :
In this course, circuit design fundamentals, circuit elements in the settlement principles, circuit elements in the package shapes, circuit elements, catalog views, circuit design program examined the ISIS PROTEUS circuit design software use and applications are made.

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Electricity

EL2049	OFFICE SOFTWARE					
Semester	Code	Name		T+P	Credit	ECTS
3	EL2049	OFFICE SOFTWARE		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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
In this course the possibilities of using information to gain qualifications aims to develop themselves.
Course Contents :
The use of the word processor program, Digital Data Editing, Presentation Preparation, Material Preparation, Use of Internet Browser, E-Mail Management, Electronic Commerce.

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Electricity

EL2044	AGREEMENT, EXPLORATION AND PLANNING					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2044	AGREEMENT, EXPLORATION AND PLANNING		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
Electricity		None	Asist Prof.Dr. ABDULKADİR GÖZÜOĞLU	None

The aim of lesson :
In this course, students study the pre-project planning, site survey, preparation of contracts and specifications are intended to gain proficiency.
Course Contents :
Lecture, Practice, Homework, Project

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Electricity

EL2006	FAILURE ANALYSIS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2006	FAILURE ANALYSIS		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
Electricity		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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Electricity

EL2008	COMPUTER AIDED PROJECT II					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2008	COMPUTER AIDED PROJECT II		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
Electricity		None	Instructor B. Okan İÇMEZ	None

The aim of lesson :
Make modelling of developed surface and solid modelling by AutoCAD. Produce and use symbol library by AutoCAD. Use electrical project preparation data in AutoCAD drawings.
Course Contents :
Drawing of given perspective as solid model. Build and use symbol library in electrical projects. Drawing of lighting and power projects onto architecture plans. Voltage drop calculations of lighting and power projects, load tables. Compansation calculations in power Project, single line schemas of weak current, lighting and power projects.

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Electricity

EL2010	ELECTRICITY TRANSMISSION AND DISTRI					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2010	ELECTRICITY TRANSMISSION AND DISTRI		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
Electricity		None	Faculty Member ALKHANSA OSMAN MOHAMMED ABDALLA	None

The aim of lesson :
In this course, the introduction of materials of all kinds of high-voltage networks, aimed to gain qualifications for the installation of the operations.
Course Contents :
Pole mounting, poles traverse the console assembly, insulators and other elements on the installation, and connection of the withdrawal of overhead line conductors, poles, lines, equipment and maintenance, elimination of the failures PTL, the power transformer and installation of instrument transformers, busbar system, splitter and cutter assembly, Switching systems eliminate the failures, maintenance of the panels and measuring systems

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Tokat Vocational School
Electricity

EL2046	Vocational Foreign Language II					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2046	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
Electricity		None	None	None

The aim of lesson :
Bu derste öğrenciye; temel mesleki kavram ve tanımları ile temel mesleki dil bilgisi yeterliklerinin kazandırılması amaçlanmıştır.
Course Contents :

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EL2002	PROGRAMMABLE CONTROLLERS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2002	PROGRAMMABLE CONTROLLERS		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
Electricity		None	Instructor YAVUZ SELİM ARI	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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EL2048	SCADA SYSTEMS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2048	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
Electricity		None	Instructor YAVUZ SELİM ARI	None

The aim of lesson :
SCADA system of the building and record-keeping procedures to gain qualifications.
Course Contents :
Scada program to practice with. Scada to design. Visual programming. With visual programming to SCADA application.

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Electricity

EL2042	SENSORS AND TRANSDUSERS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2042	SENSORS AND TRANSDUSERS		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
Electricity		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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Electricity

EL2040	SYSTEMS DESİGN AND ANALYSIS					
Semester	Code	Name		T+P	Credit	ECTS
4	EL2040	SYSTEMS DESİGN AND ANALYSIS		2	2	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
Electricity		None	Faculty Member ALKHANSA OSMAN MOHAMMED ABDALLA	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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AİİT101	Ataturk's Principles and History of Turkish Revolution I					
Semester	Code	Name			T+P	Credit	ECTS
1	AİİT101	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
Electricity		None	Specialist Dr. Adnan GELMEZ Specialist Dr. Sadet ALTAY Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sabri ZENGİN 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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Electricity

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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
In this course is intended to develop themselves to gain qualifications by using computational facilities
Course Contents :
Expression, demonstrating taking, problem solving, question-answer, group work, practical work, research, and individual teaching methods and techniques are applied as teaching

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EL1003	DIRECT CURRENT CIRCUIT ANALYSIS					
Semester	Code	Name			T+P	Credit	ECTS
1	EL1003	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
Electricity		None	Instructor BURAK KARA	None

The aim of lesson :
To explain the basic concepts of electrical circuits and dc circuits in the steady-state solution and to have knowledge about the methods.
Course Contents :
To explain the basic concepts of electrical circuits and dc circuits in the steady-state solution and to have knowledge about the methods.

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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
Electricity		None	Instructor H.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 Courses (English)

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EL1001	MATHEMATICS I					
Semester	Code	Name		T+P	Credit	ECTS
1	EL1001	MATHEMATICS I		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
Electricity		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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EL1007	MEASURING TECHNIQUE					
Semester	Code	Name		T+P	Credit	ECTS
1	EL1007	MEASURING TECHNIQUE		4	3	6

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
Electricity		None	Faculty Member ALKHANSA OSMAN MOHAMMED ABDALLA	None

The aim of lesson :
The student, reading circuit elements, measuring instruments and measuring with the oscilloscope to do. Job security is intended to gain the competencies required to provide.
Course Contents :

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EL1006	BASİC ELECTRONICS					
Semester	Code	Name		T+P	Credit	ECTS
2	EL1006	BASİC ELECTRONICS		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
Electricity		None	Faculty Member ALKHANSA OSMAN MOHAMMED ABDALLA	None

The aim of lesson :
Providing general information about structure of an atom, behaviour of particles of an atom and explaining the contribution of these behaviours to electrical conduction, explaining operating principle of PN junctions, BJT transistors, MOSFET and JFET transistor
Course Contents :
Structure of an atom, Energy bands, Electron Emission types, Electron behaviour, Electronic Circuit Elements, Conduction in metals and semiconductors, PN junction and semiconductor diode, biasing and operating bipolar transistor, using bipolar transistor as an amplifier, equivalent circuits of bipolar transistor, junction field effect transistors, MOS transistors, Power Electronic Elements, Termal stability in transistor

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EL1005	INTRODUCTION INSTALLATION					
Semester	Code	Name		T+P	Credit	ECTS
1	EL1005	INTRODUCTION INSTALLATION		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
Electricity		None	Asist Prof.Dr. ABDULKADİR GÖZÜOĞLU	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