



Tokat Gaziosmanpaşa University

Tokat Vocational School Machine

MK-2013	RENEWABLE ENERGY SOURCES				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2013	RENEWABLE ENERGY SOURCES	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
Machine		None	Prof.Dr. Mehmet TEKİN	None

The aim of lesson :

Reducing the energy derived from imported resources to sustainable economic growth in our country to increase domestic renewable energy sources is a must. The geographical position of our country where wind, sunlight , rain, geothermal heat, wave action and in terms of obtaining energy from renewable energy sources such as bio- energy is in an advantageous position. Therefore, it is aimed to raise the awareness of students about these energy types .

Course Contents :

Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy Renewable energy sources, economic status, solar energy, wind energy , biomass use , geothermal energy , solar cells , wave energy



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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
Machine		Asist Prof.Dr. Sedat ŞEN	Asist Prof.Dr. SEDAT ŞEN	None

The aim of lesson :

Career Planning course enables students to recognize the business world, different sectors and the needs of these sectors; It aims to raise awareness among students about the importance of career planning in the process of preparing for the business world. The course enables students to discover their personal competencies and understand the expectations of the business world. It helps them develop their knowledge and skills in line with the requirements of the relevant sectors.

Course Contents :

General Introduction of the Lesson and the Concept of Career National and International Exchange Programs Basic Communication Skills Sector Days (Non-Governmental Organizations) Thin Capabilities (Soft - Skills) Sector Days (Public Sector) Diction and Body Language Preparing Resume and Cover Letter Sector Days (Private Sector) Effective Interview Techniques Sector Days (Academy) Sector Days (Entrepreneurship) Lesson Assessment and Project Details



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MK-2015	Technology of Cnc Milling				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2015	Technology of Cnc Milling	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
Machine		None	Instructor Sedat ŞEN	None

The aim of lesson :

With this course, it is aimed to gain an ability related to preparing the CNC milling to work, writing the programs for CNC milling and manufacturing by using CNC milling.

Course Contents :

CNC Milling workbench to prepare work, To write the program and production.



Tokat Gaziosmanpaşa University

Tokat Vocational School Machine

MK-2061	Research	Methods and Techniques			
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2061	Research	Methods and Techniques	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
Machine			None	Prof.Dr. Mehmet TEKİN	None
The aim of lesson :					
This course, intended to gain the competency to conduct research.					
Course Contents :					
Understanding the basic rules of doing scientific research.					



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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
Machine			None	None	None
The aim of lesson :					
The course aims to improve the core knowledge acquired in German Language -I					
Course Contents :					
Basic grammar rules, daily conversations, newspapers and magazines, business writing					



Tokat Gaziosmanpaşa University

Tokat Vocational School Machine

FRA102	French II				
Semester	Code	Name	T+P	Credit	ECTS
2	FRA102	French 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
Machine			None	None	None
The aim of lesson :					
Course Contents :					



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Tokat Vocational School Machine

MK-1047	Vocational Physics				
Semester	Code	Name	T+P	Credit	ECTS
1	MK-1047	Vocational Physics	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
Machine			None	Asist Prof.Dr. Yunus KÜLTÜREL	None
The aim of lesson : Material,mechanic,static,dynamic,flow,electric and magnatic,analsys,comment on draw. Course Contents : Basic Principles of Physics					



Tokat Gaziosmanpaşa University

Tokat Vocational School Machine

MK-2051	Quality Assurance and Standards				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2051	Quality Assurance and Standards	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
Machine			None	Prof.Dr. Mehmet TEKİN	None
The aim of lesson : In this course, quality assurance and standards in business related to the qualifications to teach. Course Contents : Concepts of Quality and Standardization,Application of Quality Standards, Turkish Standards and International Standards ... and so on. issues such as the processing is aimed.					



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MK-2057	Work Dies				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2057	Work Dies	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
Machine		None		Asist Prof.Dr. Yunus KÜLTÜREL	None
The aim of lesson : This course, students gain competence according to the technique is aimed to make punching and binding patterns Course Contents : Punching and binding design patterns					



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MK-1014	Technology of Cnc Lathe				
Semester	Code	Name	T+P	Credit	ECTS
2	MK-1014	Technology of Cnc Lathe	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
Machine		None	Instructor Sedat ŞEN	None

The aim of lesson :

With this course, it is aimed to gain an ability related to preparing the CNC lathe to work, writing the programs for CNC lathe and manufacturing by using CNC lathe.

Course Contents :

CNC Lathe to prepare for the job, To write the program and production.



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MK-1009	Mathematics				
Semester	Code	Name	T+P	Credit	ECTS
1	MK-1009	Mathematics	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
Machine		None	Instructor Dr. Bekir DOĞAN bekir.dogan@gop.edu.tr	None

The aim of lesson :

With this course, students are intended to gain the necessary competence to apply mathematical knowledge and skills to work for the profession.

Course Contents :

First of all, courses aims to provide students mathematical knowledge necessary to his profession. Courses are conducted in a student-centered



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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
Machine		None	Specialist Dr. UĞUR POLAT ugur.polat@gop.edu.tr	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



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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	English	Associate	No	Elective	
Department/Program	Precondition		Course Coordinator	Instructor	Course Assistants
Machine			None	Specialist Dr. hakan Akkan hakan.akkan@gop.edu.tr	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 :

Student-centred teaching methods like Communicative Approach based on four core skills(Listening, Speaking, Reading and Writing)



Tokat Gaziosmanpaşa University

Tokat Vocational School Machine

MK-1003	Technical Drawing				
Semester	Code	Name	T+P	Credit	ECTS
1	MK-1003	Technical Drawing	4	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
Machine			None	Asist Prof.Dr. Yunus KÜLTÜREL	None

The aim of lesson :

With this course, it is aimed to teach an ability to draw and read the technical drawings.

Course Contents :

To be capable of geometrical drawing, to take off appearance, dimensioning, to take cross-sectional, to use surface quality marks and to determine the limits of tolerance.



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Tokat Vocational School Machine

MK-2009	Machine Elements				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2009	Machine Elements	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
Machine			None	Instructor Dr. Bekir DOĞAN bekir.dogan@gop.edu.tr	None

The aim of lesson :

In this course, it is aimed to classify the machine elements according to the characteristics, to resize the machine elements according to the fundamental design and analysis rules. to select and attach the appropriate machine elements and to find solution to the problems/failure of the machine elements.

Course Contents :

Removable and movable fasteners, shafts and axles and bearing elements to resize and control accounts.



Tokat Gaziosmanpaşa University

Tokat Vocational School Machine

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
Machine			None	Instructor Bekir DOĞAN bekir.dogan@gop.edu.tr	None

The aim of lesson :

Expanding the use of Information Technologies, increasing computer literacy, gaining experience in Hardware, Operating System, Office Programs and Internet use.

Course Contents :

Basic knowledge and concepts about computers, software and hardware knowledge, an overview of widely used software programs, development of students' writing skills using computers.



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MK-1008	HYDRAULIC PNEUMATIC				
Semester	Code	Name	T+P	Credit	ECTS
2	MK-1008	HYDRAULIC PNEUMATIC	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
Machine			None	Asist Prof.Dr. Yunus KÜLTÜREL	None

The aim of lesson :

In this course, it is aimed to gain ability related to ocuring circuit with the hydraulic and pneumatic components, doing the basic maintenance and repair of the machines.

Course Contents :

Transactions related to hydraulic and pneumatic systems, based on the loom to make the repair and maintenance



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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
Machine			Associate Prof.Dr. Yunus Emre TEKİNSOY	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.



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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
Machine			None	Asist Prof.Dr. Fatih YAZICI Asist Prof.Dr. İsa Tak Instructor 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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MK-1005	Materials Technology				
Semester	Code	Name	T+P	Credit	ECTS
1	MK-1005	Materials Technology	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
Machine			None	Instructor Dr. Bekir DOĞAN bekir.dogan@gop.edu.tr	None

The aim of lesson :

1-To give an understanding on the importance of materials technology for engineering applications 2-To teach the structure and properties of materials and to make the students understand the strong relations between them 3-To develop an understanding of the differences between engineering materials through the application of laboratory experiments to determine their mechanical behavior 4-To introduce students the failure modes and the use of non-destructive testing techniques of engineering materials 5-To give an understanding on the material selection and design using material knowledge

Course Contents :

Classification of engineering materials, Atomic structures of materials, Crystal structures and imperfections, Mechanical properties of materials, Failure of materials, Phase diagrams and solidifications, Types and use of steel and cast iron, Heat treatment of metals and alloys, Non-ferrous metals and alloys and their use in engineering applications, Non-destructive testing of materials.



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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	English	Associate	No	Elective	
Department/Program	Precondition		Course Coordinator	Instructor	Course Assistants
Machine			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)



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MK-1050	Thermodynamics				
Semester	Code	Name	T+P	Credit	ECTS
2	MK-1050	Thermodynamics	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
Machine			None	Instructor Dr. Bekir DOĞAN None	

The aim of lesson :

With this course, it is aimed to teach the basic principles of classical thermodynamics, to provide comprehension and solving of engineering problems in thermodynamics, to teach to use the first and second law of

Course Contents :

Introduce to Thermodynamics, The first and second law, Analysis of the system and control volume, The behaviour and properties of the pure substances, The applications to the thermodynamics systems.



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MK-1012	Strength of Materials				
Semester	Code	Name	T+P	Credit	ECTS
2	MK-1012	Strength of Materials	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
Machine			None	Instructor Dr. Bekir DOĞAN None	

The aim of lesson :

In this course, it is aimed to gain competencies in the following; to understand the basic principles of strength of materials encountered in the design, to use the principles of strength of materials in order that the sizing and controlling computations of machine elements.

Course Contents :

Calculation of Tensile strength of the types and objects



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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
Machine			Associate Prof.Dr. Yunus Emre TEKİNSOY	Instructor Dr. Erdal BARAN	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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MK-1007	Manufacturing Process				
Semester	Code	Name	T+P	Credit	ECTS
1	MK-1007	Manufacturing Process	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
Machine		None	Instructor Sedat ŞEN	None

The aim of lesson :

It is aimed to give the students proficiencies of gear cutting according to its standards by using milling machine and, to carry out special grinding operation by using grinding machine in the given time.

Course Contents :

The course is designed to teach the following topics: rack gear, bevel gear, worm gear, chain gears, conical grinding, hole grinding, centerless grinding, tool sharpening machines,



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MK-2059	Systems Analysis and Design				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2059	Systems Analysis and Design	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
Machine		None	Prof.Dr. Mehmet TEKİN	None

The aim of lesson :

In this course, it is aimed to gain abilities related to preparing project by using knowledge and skills acquired in other courses and industrial experience, manufacturing of the project and presenting of the project.

Course Contents :

Project work



Tokat Gaziosmanpaşa University

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MK-2023	Weld Technology				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2023	Weld Technology	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
Machine		None	Instructor Dr. Bekir DOĞAN bekir.dogan@gop.edu.tr	None

The aim of lesson :

In this course, it is aimed to gain abilities related to welding with methods based on melting and welding under protective atmosphere.

Course Contents :

To make Gas melting, electric arc, gas in the atmosphere (MIG / MAG), and TIG welding



Tokat Gaziosmanpaşa University

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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	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Machine		None	Teacher SALİH BEKTAŞ	None

The aim of lesson :

The aim of the course is to make students acquire German language as the second foreign language at basic level.

Course Contents :

Alphabet, numbers, basic grammar rules, telling the time, easy daily conversations, some common formal and informal phrases etc.



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Tokat Vocational School Machine

MK-2025	Computer Aided Manufacturing				
Semester	Code	Name	T+P	Credit	ECTS
3	MK-2025	Computer Aided Manufacturing	4	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
Machine		None	Instructor Sedat ŞEN	None

The aim of lesson :

In this course, it is aimed to gain abilities related to manufacturing in CNC lathe by using CAM package programs.

Course Contents :

Manufacturing in CNC lathe



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FRA101	French I				
Semester	Code	Name	T+P	Credit	ECTS
1	FRA101	French 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
Machine		None	Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA	None

The aim of lesson :

Course Contents :