



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		History of Natural Sciences							
Course Code		ÇS310		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The main objective is for the students to learn which important events, have influenced the development of science and chemistry, and to analyse the methods of scientists at important events in history							
Course Content		Important developments in the history of science will be discussed. This includes important developments in Physics introduced by Galileo and Newton. Important events in chemistry will make up more than half of the course and will include studies of scientists such as Dalton, Lavoisier and Mendeleev.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Lec. Mert SOYSAL							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	History of Science and Technology
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Week	Weekly Detailed Course Contents	
1	Theoretical	The solar system: Copernicus, Tycho, Kepler
2	Theoretical	The first scientist: Galileo, Newton, Halley
3	Theoretical	Gases and steam: Boyle, Black, Watt
4	Theoretical	Chemistry: Cavendish, Priestley, Lavoisier
5	Theoretical	The atom: Dalton, Avogadro
6	Theoretical	Electrochemistry: Volta, Davy, Faraday
7	Theoretical	Light: Young, Maxwell, Einstein
8	Intermediate Exam	Midterm
9	Theoretical	Periyodik cetvel
10	Theoretical	The development of thermodynamics as a science
11	Theoretical	Cathode rays and the electron
12	Theoretical	x-rays, radioactivity and atomic structure
13	Theoretical	Emission spectra and the electronic structure of the atom
14	Theoretical	Bonding and molecular structure
15	Theoretical	Bonding and molecular structure

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	2	1	3
Final Examination	1	4	1	5
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	1. Be able to describe the important events in the development of science
2	2. Be able to analyse the important contributions of scientist in the development of science.
3	3. Be able to summarise in good scientific style the important contributions of a scientist in the development of science.



4	Scientific Development
5	The lives of famous scientists

**Programme Outcomes (Medical Documentation and Secretarial Practices )**

1	Write and pronounce medical terms correctly.
2	Collect data of medical statistics and report the results periodically after analyzing them scientifically.
3	Learn basic structure of human body and important system diseases.
4	Know principles and rules of medical secretaryship. Protect patients' rights and privacy.
5	Use Turkish and body language in a correct and effective way.
6	Run internal and external correspondence of the foundation, keep the files of the documents after classification, organize them and archive in line with filing techniques.
7	Establish verbal and written communication inside the foundation and out of foundation.
8	Make the coding procedure of diseases and health problems according to existing international classification systems.
9	Run the counseling services for patients and their relatives.
10	Solve the problems that are encountered in work life quickly and effectively.
11	Use the necessary equipment for professional practices such as computer and office devices effectively.
12	Improve professional knowledge and skills continuously.
13	Executes any patient registration-documentation processes
14	Makes archiving operations
15	Prepares medical documents
16	Knows Turkish history and Atatürk's revolutions.
17	Adapt to team work in application areas.
18	Knows and defines diseases.
19	Have general information about the world and biological formations.
20	English speaking writer

**Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High**

	L1	L2	L3	L4	L5
P1	2	2	2	2	2
P2	5	5	5	5	5
P5	5	5	5	5	5
P6	1	1	1	1	1
P7	2	2	2	2	2
P10	3	3	3	3	3
P11	4	4	4	4	4
P12	3	3	3	3	3

