



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Introduction to Chemistry I							
Course Code		KMY161		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	74 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		improve students' ability to think about mater's properties and measurement, atoms and atomic theory, electronic structure of atoms, the periodic table and give theoretical knowledge in a systematic and comprehensive on some atomic properties and the basic concepts of chemistry							
Course Content		Basic terms and unit systems in chemistry, classification and properties of matter, the periodic table and periodic properties, electronic structure of atoms, atomic mass and mole concept, chemical formulas, naming of compounds, reactions and stoichiometric calculations, chemical bonds, molecules and their properties, gases and solids, liquids and solutions, solution calculations, acids and bases							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Problem Solving					
Name of Lecturer(s)		Lec. Ali ERKUL							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Genel Kimya. Sabri Alpaydın - Abdullah Şimşek Nobel Yayın Dağıtım, 2009
2	Öğretim üyesi ders notları.

Week	Weekly Detailed Course Contents	
1	Theoretical	The basic unit and unit systems Chemistry
2	Theoretical	The classification and properties of the substance
3	Theoretical	Periodic table and periodic properties
4	Theoretical	electronic structure of atoms, atomic mass and mole concept
5	Theoretical	Chemical formulas
6	Theoretical	Nomenclature of Compound
7	Theoretical	Reactions and stoichiometric calculations
8	Theoretical	Chemical bonds
9	Theoretical	Molecules and their properties
10	Theoretical	Midterm
11	Theoretical	Gases and solids
12	Theoretical	Liquids and Solutions
13	Theoretical	Solution calculations
14	Theoretical	Acids and bases
15	Theoretical	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	22	1	23



Final Examination	1	22	1	23
Total Workload (Hours)				74
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To understand the aim of chemistry, material properties and the classification
2	To understand the first discoveries in chemistry, atomic theory and the structure of atoms
3	To understand the periodic table, and the number of moles Avogadro
4	To distinguish the periodic properties of elements, understand the types of chemical compounds, to make chemical formulas
5	being able to make stoichiometric calculations using chemical reactions and chemical reactions to distinguish equality
6	be able to understand covalent bonding, molecular geometry and hybridization of atomic orbitals

Programme Outcomes (Medical and Aromatic Plants)

1	Having the recognition, classification and the use areas knowledge of medical and aromatic plants
2	Having practical and technical knowledge about cultivation and production of medical and aromatic plants
3	Having knowledge of morphology, anatomy, cytology, physiology and biochemical structures of medical and aromatic plants
4	Having knowledge of important of soil conditions to grow medical and aromatic plants
5	Having information and the ability to use materials related with basic math and basic chemistry founded on qualifications gained in secondary education
6	Having ability to use effective own language and having knowledge of foreign language in order to communicate own colleagues and own customers
7	Having ability to collect medical and aromatic plants, having knowledge of seed technology, drying and conservation of these plants
8	Having ability to identify and to fight diseases and pests of medical and aromatic plants
9	Having knowledge of all Agricultural activities
10	Having knowledge of Atatürk Principle and Revolutions and to assimilate Atatürk Principle and Revolutions
11	Having consciousness of quality
12	Having knowledge and accumulation of investigative and evaluation
13	Ability to work as an individual capable of independent decision-making ideas verbally and in writing, stating the figure to communicate in a clear and concise
14	Ability to identify plants used for medical purposes and to obtain mixtures from drugs acquired these plants
15	Having skill and knowledge of marketing techniques medical and aromatic plants

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

	L1	L2	L3	L4	L5	L6
P3	5	5	5	5	5	5

