AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	General Chemistry								
Course Code	KZM107		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	3	Workload	72 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To give theoretical and comprehensive information about properties of matter and measurement, atoms and atomic theories, electron structure of atom, periodic table and some atomic properties and to improve students' ability to think about basic concepts of chemistry								
Course Content	Basic terms and unit systems in chemistry, Classification and properties of matter, Periodic table and periodic properties, Electronic structure of atom, Atomic mass and mole concept, Chemical formulas, Nomenclature of compounds, Reactions and stoichiometric calculations, Chemical bonds, Molecules and their properties, Gases and solids, Liquids and Solutions, Calculations of Solutions, Acids and Bases, Gases and Solids, Liquids, Solutions and Numerical Properties of Solutions, Calculations of Solutions, Acids and Bases,								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study, Problem Solving								
Name of Lecturer(s)									

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

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic terms in chemistry and unit systems
2	Theoretical	Classification and properties of matter
3	Theoretical	Periodic table and periodic properties
4	Theoretical	Electronic structure of atom, atomic masses and moles
5	Theoretical	Chemical formulas, Chemical bonds
6	Theoretical	Nomenclature of compounds
7	Theoretical	Molecules and their properties
8	Intermediate Exam	midterm
9	Theoretical	Liquids and Solutions
10	Theoretical	Solutions and numerical properties of solutions
11	Theoretical	Solution calculations
12	Theoretical	Solution calculations
13	Theoretical	Acids and bases
14	Theoretical	Acid-base equilibria
15	Theoretical	Buffer solutions
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	2	2	4	12
Midterm Examination	1	8	1	9

Final Examination	1	8	1	9
			Total Workload (Hours)	72
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To understand the purpose of chemistry, properties and classification of matter
2	To be able to comprehend the first discoveries in chemistry, atomic theory and atomic structure
3	To be able to comprehend periodic table, mole and avogadro number
4	To be able to recognize acid, base and buffer solutions
5	Recognize solutions and make basic concentration calculations in solutions
6	Covalent bonding, comprehend atomic orbitals

Programme Outcomes *(Office Mangement and Executive Assistantship)*	
1	Use of information and communication technology tools and other professional tools ability.
2	The ability of planning and practicing vocational process.
3	The ability of communicating in foreign language.
4	Vocational self-confidence ability.
5	Entrepreneurship ability.
6	The ability of using the theoretical information in the application.
7	The ability of managing process to supply.
8	The ability of working with the inclusion of interdisiplener team.
9	The ability of defining and solving problems at vocational practice.
10	Professional ethics and responsibility.

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
P1	3	3	3	3	3	3
P2	3	3	3	3	3	3
P3	3	3	3	3	3	3
P4	3	3	3	3	3	3
P5	3	3	3	3	3	3
P6	3	3	3	3	3	3
P7	3	3	3	3	3	3
P8	3	3	3	3	3	3
P9	3	3	3	3	3	3
P10	3	3	3	3	3	3