AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Basic Chemistry I								
Course Code	KMY165		Couse Level	First Cycle (Bachelor'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, atomic structure and the periodic table and periodic properties, electronic structure of atoms, atomic mass and mole concept, chemical formulas.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Problem Solving								
Name of Lecturer(s)	Assoc. Prof. Gülşen GÜVEN, Assoc. Prof. Rukiye FIRINCI, Assoc. Prof. Semiha KUNDAKCI, Prof. Cem ESEN, Prof. Ömer Barış ÜZÜM, Prof. Yüksel ŞAHİN								

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	basic terms in chemistry
2	Theoretical	unit systems in Chemistry
3	Theoretical	Classification of the substance
4	Theoretical	Properties of matter
5	Theoretical	Periodic table and periodic properties
6	Theoretical	Periodic table and periodic properties
7	Theoretical	electronic structure of the atom
8	Theoretical	electronic structure of the atom
9	Theoretical	Atomic mass
10	Theoretical	Midterm
11	Theoretical	The concept of mole
12	Theoretical	The concept of mole
13	Theoretical	Chemical formulas
14	Theoretical	Chemical formulas
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
5	to have ability to understand and naming chemical formulas

Programme Outcomes *(Horticulture)*	
1	Ability to examine agricultural problems under the light of basic science, mathematics, and agriculture knowledge
2	Ability to plan and apply in different agricultural systems in horticultural crop plants
3	To constitute and realize breeding programmesaccording to market demands
4	Ability to propagate any kinds of stock materials in horticultural crop plants
5	Ability ot transfer of modern technologies to production
6	Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop plants (To measure, evaluate, and manage different quality parameters)
7	To think analytically of protecting, providing transfer to future, and having responsibility to environment of all plant materials belong to horticultural crop plants area
8	Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural problems (Project, homework, thesis, summer training)
9	Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these subjects by verbal and written ways (Turkish, social course)
10	To be able to perform in a teamwork
11	Ability to work independently, give decision, and Express own thoughts by occupational-ethic values verbal and written ways in horticultural crop plants
12	Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, be a part of a related subjects in a web of communication, and to develop by social means

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	5	5	5	5	5