Course Title	Code	Semester	T+A	Credit	ECTS
General Chemistry -II	0804225	1	3+0	3	3

Precondition	
Courses	

Course Language		Türkçe			
Course Type		Zorunlu			
Course Coordinator		v			
Lecturer		Prof. Dr. Mustafa DEĞİRMENCİ			
Course	Assistants				
Course		This course gives information about the basic concepts of general			
Objectives		chemistry to the first year students of Biology department and			
		tells them the importance of general chemistry in their daily life.			
Learning	g Outcomes	At the end of this course the student;			
and Sub	-skills of the				
Course		reactions and learns how to apply them to chemical			
		reactions.			
		Learns the concepts related to acid-base and solutions.			
		3. will be able to understand the differences between metal			
		and nonmetals.			
		4. will learn the basic concepts of electrochemistry, organic			
		chemistry, nucleus chemistry and biochemistry.			
		Chemical Kinetics and Chemical Equilibria, Acids and Bases, Ionic			
		Equilibria I, pH, Indicators, Buffers, Ionic Equilibria II, Solubility			
		Products and Acid-Base Titrations, Electrochemistry, General			
		Properties of Metal and Nonmetals, Transition Elements, Complex			
		Ions and Coordination Compounds, Nucleous Chemistry, Organic Chemistry, Biochemistry.			
WEEKS	TOPICS	CHEMISTRY, DIOCHEMISTRY.			
1					
2		Chemical Kinetics and Chemical Equilibria Kinetics and Chemical Equilibria			
3	Acids and Bases, Ionic Equilibria I, pH, Indicators				
4	Buffers, Ionic Equilibria II				
5	Solubility Products and Acid-Base Titrations				
6	Electrochemistry				
7	Midterm Exam				
8	General Properties of Metal and Nonmetals				
9	Transition Elements				
10	Complex Ions and Coordination Compounds				
11	Nucleous Chemistry				
12	Organic Chemistry				
13	Organic Chemistry				
14					
	GENERAL COMPETENCES				

GENERAL COMPETENCES

Understanding the terms related to speed and equilibrium in chemical reactions and applying them to chemical reactions, Recognizing Acid-base and solutions, Learning differences between metal and nonmetals,

Learning basic concepts about electrochemistry, organic chemistry, nucleus chemistry and biochemistry.

REFERENCES

- R. H. Petrucci ve W. S. Hardwood, "General Chemistry and Application"; Çeviri Editörü:
 T. Uyar, "Genel Kimya Prensipler ve Uygulamalar", Palme yayıncılık, Ankara 2003.
 E. Erdik, Y. Sarıkaya, "Temel Üniversite Kimyası", Gazi Kitabevi, Ankara 2004.
- P. Atkins, L. Jones; Çeviri Editörleri: E. Kılıç, F. Köseoğlu, H. Yılmaz, "Temel Kimya I" ve "Temel Kimya II", Bilim yayıncılık, Ankara 2004.
- N. K. Aras ve N. K. Tunalı, Kimya- Temel Kavramlar, 5. Baskı, Beta Basım A.Ş. İstanbul, 1999.

RATING SYSTEM

Midterm Exam: %40 Final Exam : %60

Makeup exam: