



Çanakkale Onsekiz Mart University

Education Information System

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Course Information

COURSE INFORMATION

Course Title	Code	Semester	L+U Hour	Credits	ECTS
Introduction to Chemistry I	FEN125	1. Semester	2 + 2	3.0	3.0

Prerequisites	None
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Language of Instruction	Turkish
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Course Level	Bachelor's Degree (First Cycle)
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Course Type	Compulsory
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Mode of delivery	Face to face
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Course Coordinator	Assoc. Prof. Dr. Osman DAYAN
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Instructors	Assoc. Prof. Dr. Osman DAYAN Prof. Dr. Eyüp ÖZDEMİR
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Assistants	
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Course Objectives	In this course, students will analyze the basic methodologies of chemistry.
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Course Content	the scope of this course is: the atomic theories and structure of atoms, names of the chemical compounds, how to balance chemical equations, the basic properties of gases, liquids and solids, the intermolecular forces, the main tendencies of Periodic table, the types of chemical bonding, the basic properties of solutions.
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Course Learning Outcomes	<ol style="list-style-type: none"> 1) explain the atomic theories and structure of atoms. 2) name the chemical compounds. 3) explain how to balance chemical equations. 4) explain the basic properties of gases, liquids and solids. 5) explain the intermolecular forces. 6) express the main tendencies of Periodic table . 7) explain the types of chemical bonding. 8) explain the basic properties of solutions.
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WEEKLY COURSE CONTENT

Week	Topics	Teaching and Learning Methods and Techniques	Study Materials
1. Week	Matter qualities and measurement	lectures, homework	
2. Week	Atoms and atom theories	lectures, homework	
3. Week	Chemical compounds	lectures, homework	
4. Week	Chemical reactions	lectures, homework	
5. Week	Liquid solution reactions	lectures, homework	

Quick Access

Physics

- Qualification Awarded
- Level of Qualification
- Qualification Requirements and Regulations
- Specific Admission Requirements
- Recognition of Prior Learning
- Profile of the Program
- Program Key Learning Outcomes
- Occupational Profile of Graduates
- Access to Further Studies
- Course Structure & Credits
- Exam Regulations & Assessment & Grading
- Graduation Requirements
- Mode of Study
- Programme Director(or Equivalent)
- Evaluation Questionnaire
- TYYÇ

Course Information

- Course Information
- Weekly Course Content
- Resources
- Assessment
- Course Category
- CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME OUTCOMES
- ECTS credits and course workload

6. Week	Gases (simple gases laws)	lectures, homework	
7. Week	Gases (kinetic theory)	Lectures, homework	
8. Week	midterm exam	written exam	
9. Week	Thermochemistry	lectures, homework	
10. Week	Electron structure of the atom	lectures, homework	
11. Week	Periodic table and properties of the atoms	lectures, homework	
12. Week	Chemical Bond I, General concepts	lectures, homework	
13. Week	Chemical Bond II, Bond theorems	lectures, homework	
14. Week	Liquids, solids and Intermolecular forces, Solutions and Physical properties	lectures, homework	
15. Week	final	exam	
16. Week	Final exam	exam	

RESOURCES

Recommended Sources
General Chemistry, Petrucci,R.H., Harwood, W.S., Herring, F.G., (8. Baskıdan Çeviri Uyar, T., Aksoy, S.), Palme Yayıncılık, Ankara, 2005
Temel Üniversite Kimyası E.ERDİK- Y.SARIKAYA,Gazi Kitabevi,2012

ASSESSMENT

Measurement and Evaluation Methods and Techniques			
SEMESTER REQUIREMENTS	Midterm(s) 1 40	ACTIVITIES AT THE END OF SEMESTER	Final Exams 1 60 TOTAL 100
In-Term Studies		Quantity	Percentage
Mid Term Exam 1		1	40
Total		1	40
End-Term Studies		Quantity	Percentage
Final Exam		1	60
Total		1	60
Contribution Of In-Term Studies To Overall Grade			40
End-Term Studies			60
Total			100

COURSE CATEGORY

Course Category	Percentage
Core Courses	% 100

CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME OUTCOMES

Programme Outcomes	Contribution Level	Contribution Level							
		DK1	DK2	DK3	DK4	DK5	DK6	DK7	DK8
PY1	4	4	3	4	4	4	4	3	4
PY2	4	4	2	4	5	5	4	3	4
PY3	3	0	5	0	4	1	1	2	3

<u>PY4</u>	2	2	0	2	2	2	2	2	2
<u>PY5</u>	1	1	1	1	1	1	1	1	1
<u>PY6</u>	3	3	3	3	3	3	3	3	3
<u>PY7</u>	1	1	1	1	1	1	1	1	1
<u>PY8</u>	1	1	1	1	1	1	1	1	1
<u>PY9</u>	1	1	1	1	1	1	1	1	1
<u>PY10</u>	1	1	1	1	1	1	1	1	1
<u>PY11</u>	1	1	1	1	1	1	1	1	1
<u>PY12</u>	1	1	1	1	1	1	1	1	1
<u>PY13</u>	1	1	1	1	1	1	1	1	1
<u>PY14</u>	1	1	1	1	1	1	1	1	1
<u>PY15</u>	1	1	1	1	1	1	1	1	1

*DK = Course's Contribution.

	0	1	2	3	4	5
Level of contribution	None	Very Low	Low	Fair	High	Very High

ECTS CREDITS AND COURSE WORKLOAD

Event	Quantity	Duration (Hour)	Total Workload (Hour)
Final Exam	1	2	2
Mid Term Exam 1	1	2	2
Class Hours (14 weeks)	14	4	56
Final Exam Preparation	1	10	10
Mid Term Exam Preparation	1	8	8
Total Workload			78
Total Workload / 25.5 (s)			3.06
ECTS Credit of the Course			3