Course Information								
Course Code	**T**	**P**	**L**	**C**	**ECTS**	**Type** C/E	**Language** TR/ENG etc.	**Year/Semester**
KİM1013	**0**	**0**	**2**	**1**	**2**	**C**	**TR**	**1/FALL**
Course Name (Turkish**)**	**Genel Kimya Laboratuvarı-I**							
Course Name (English**)**	**General Chemistry Laboratory-I**							

Unit/Program	Physics Department/Undergraduate Program
Course Prerequisite	No
Course Objectives	The aim of this course is to give information about the basic experimental studies and laboratory techniques used in chemistry.
Course Outline	Basic Chemistry Experiments
Textbook/ Material / Resources	General Chemistry Laboratory Experiments Test Sheet
Internship Status	

Course Precedents

University Name	**Program Name**	**Course Name**	**T-P-L-C; ECTS**	**Type**
Izmir University of Technology	**Physics**	**General Chemistry Laboratory I**	**0-0-2-1, 2**	**C**
Balıkesir University	**Physics**	**General Chemistry Laboratory I**	**0-0-2-1, 2**	**C**
Eskisehir Osmangazi University	**Physics**	**General Chemistry Laboratory I**	**0-0-2-1, 2**	**C**

The instructor who proposed the course (Title, Name and Surname)	*Signature*
Instructors who can teach the course (Title, Name and Surname)	*Signature*

Academic justification for the opening of the course? (The effect of course outcomes on program outcomes, etc.)

Brief explanation of the course (theoretical lecture, applications, laboratory, studio, off-campus activity, using software, etc.)

External Stakeholder Opinions About the Course (It is expected that the opinions to be obtained from the business world that will employ your graduates or from real or legal persons outside the University who have expertise on the subject of the course will be specified. Proof documents must be attached to this form.)	
Stakeholder Name	**Opinion** (It should be given as a summary, it should not exceed two lines.)

Weekly Course Content Distribution		
Week	**Theory**	**Application/Laboratory**
1	Basic Laboratory Principles	
2	Safety in the Laboratory	
3	Accidents that may occur in the laboratory and how to respond to them	
4		Laboratory Supplies
5		Volume Measurement and Weighing Process in the Laboratory
6		Cleaning Glass Materials
7		Preparation of Washing Solutions
8		Basic Physical and Chemical Processes
9	Midterm Exam	
10		Heating and cooling
11		Law of Conservation of Mass
12		Separation Methods
13		Solutions
14		Equivalent Weight of Magnesium
15	Finale	
16		

Assessment			
Evaluation Criteria	**Activity**	**Custom**	**Contribution to Success Grade (%)**
	Midterm Exams	1	40
	Quizzes		
	Assignments		
	Projects		
	Term Paper		
	Laboratory		
	Other		
	Final Exam	1	60
		Sum:	100
Remarks			

Content Design and Subject Weight (%)	Mathematics and Basic Sciences	100
	Engineering Sciences	
	Social Sciences	
	Health Sciences	
	Educational Sciences	
	Culture and Art Sciences	
	Design Information	

Workload (ECTS) Calculation			
Events	**Number**	**Duration (Hours)**	**Total workload (Hours)**
Fieldwork			
Midterm Exam Application	1	1	1
Self-Study (including pre-class and exam preparation)	3	8	24
Make-up Exam	1	1	1
Experiment and Observation			
Class Participation (Theory)			
Homework			
Final Exam Practice	1	1	1
Laboratory	14	2	28
Article Review			
Writing an Article			
Reading			
Case Study			
Performance			
Problem Solution			
Project Preparation			
Project Submission			
Quiz			
Report Preparation			
Submitting Reports			
Role/Drama Work			
Seminar			
Oral Exam			
Team/Group Work			
Argument			
Application/Practice			
Other			
TOTAL WORKLOAD:			**55**
ECTS CREDİTS OF THE COURSE: *(The number obtained as a result of Total Workload/25 is calculated by rounding to the whole number.)*			**2**

The Relationship Between Course Learning Outcomes and Program Outcomes												
Program Outcomes (PO) / **Learning Outcomes (LO)** *(Course Outcomes)*		1	2	3	4	5	6	7	8	9	10	11
1	Comprehension of the fundamentals of chemistry	**1**	**1**	**1**	**1**	**1**	**1**	**5**	**5**	**5**	**1**	**1**
2	Ability to apply basic knowledge of Chemistry, Mathematics and Physics to Chemistry problems	**5**	**5**	**5**	**5**	**3**	**1**	**5**	**5**	**5**	**1**	**1**
3	Ability to identify, define, analyze and solve problems in chemistry and related fields	**3**	**3**	**3**	**5**	**3**	**1**	**5**	**5**	**5**	**1**	**1**

Organizer: Assoc. Prof. Dr. Ersin PEKDEMİR
Preparation Date: 20.05.2024