

Izmir Institute of Technology

Faculty of Science
CHEMISTRY

CHEM488 EDUCATION PLAN SUPPORTING AREA COURSE					
Semester	Course Unit Code	Course Unit Title	L+P	Credit	Number of ECTS Credits
7	CHEM488	EDUCATION PLAN SUPPORTING AREA COURSE	3+0	3	5

Mode of Delivery:

Face to Face

Language of Instruction:

English

Level of Course Unit:

First Cycle

Work Placement(s):

No

Department / Program:

CHEMISTRY

Type of Course Unit:

Elective

Objectives of the Course:

To enable students to gain knowledge and skills other than the Departmental Education Plan and to contribute to their career development.

Teaching Methods and Techniques:

From the 3rd semester of the undergraduate education until the end of the 7th semester, the student can take online courses and certificate programs on digital platforms, for at least 42 hours; If he certifies that he has successfully completed the certificate programs he physically attended and the courses he took at national and international summer schools, he can apply for these documents to correspond to the Education Plan Supporting Field Course. In this status, a maximum of one course can be taken. At the end of the semester in which the course is taken, the student is expected to give a report and a seminar.

Prerequisites and co-requisites:

Course Coordinator:

Prof.Dr. Gülşah Ş. MOHAMED

Name of Lecturers:

Assistants:

Recommended or Required Reading

Resources

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Giving information, discussion and evaluation about the certificate programs attended.		
2	Giving information, discussion and evaluation about the certificate programs attended.		
3	Giving information, discussion and evaluation about the certificate programs attended.		
4	Giving information, discussion and evaluation about the certificate programs attended.		
5	Giving information, discussion and evaluation about the certificate programs attended.		
6	Giving information, discussion and evaluation about the certificate programs attended.		
7	Giving information, discussion and evaluation about the certificate programs attended.		
8	Giving information, discussion and evaluation about the certificate programs attended.		
9	Giving information, discussion and evaluation about the certificate programs attended.		
10	Giving information, discussion and evaluation about the certificate programs attended.		
11	Giving information, discussion and evaluation about the certificate programs attended.		
12	Giving information, discussion and evaluation about the certificate programs attended.		
13	Giving information, discussion and evaluation about the certificate programs attended.		
14	Giving information, discussion and evaluation about the certificate programs attended.		

Course Learning Outcomes

No Learning Outcomes

- C01 Gain the ability to understand and follow current issues in the field of chemistry and in every field other than chemistry.
 C02 Uses information technologies and current techniques in applications in the field of chemistry.
 C03 Gain oral and written communication skills in Turkish and English.
 C04 Can take an active role in individual and team work.

Program Learning Outcomes

No Learning Outcome

- P01 Understand and integrate the fundamental principles and applications in all subdisciplines in chemistry (Inorganic Chemistry , Organic Chemistry, Biochemistry, Physical Chemistry, Analytical Chemi
 P02 Be able to integrate and apply chemical principles to solve chemical complex scientific problems
 P03 Be able to design, carry out, record and analyze the results of chemical experiments.
 P04 Be able to perform laboratory experiments in all areas of chemistry and be able to use modern instrumentation and classical techniques to support their experimentation.
 P05 Be able to communicate scientific information effectively in written and oral forms.
 P06 Be able to use computers for data acquisition and also use software to analyze experimental results obtained in the laboratory.
 P07 Gain ability to work both individually and collaboratively in classroom and laboratory.
 P08 Be skilled in problem solving, critical thinking and analytical reasoning.
 P09 Be able to use modern library searching to obtain information about a topic, chemical, chemical technique or an issue relating to chemistry.
 P10 Be able to handle and use chemicals safely according to proper procedures and regulations.
 P11 Demonstrate good skills in recognizing hazards, minimizing risks, and safe laboratory practices.
 P12 Have a knowledge of basic research methodologies, data analysis and interpretation.
 P13 Will be aware of the ethical standards of their academic discipline and/or profession.
 P14 Will demonstrate awareness and understanding of the skills necessary to live and work in a diverse world

Assessment Methods and Criteria		
In-Term Studies	Quantity	Percentage
Midterm exams	0	%0
Quizzes	0	%0
Homeworks	0	%0
Other activities	2	%100
Laboratory works	0	%0
Projects	0	%0
Final examination	0	%0
Total		%100

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Weekly Course Time	14	3	42
Outside Activities About Course (Attendance, Presentation, Midterm exam, Final exam, Quiz etc.)	14	4	56
Application (Homework, Reading, Self Study etc.)	0	0	0
Laboratory	0	0	0
Exams and Exam Preparations	14	3	42
Total Work Load			140
ECTS Credit of the Course			5

Contribution of Learning Outcomes to Programme Outcomes

Contribution: 0: Null 1:Slight 2:Moderate 3:Significant 4:Very Significant

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P12	P13	P14
C01	4	4	4	4		4		4	4		4	4
C02						4		4		4		4
C03					4	4						4
C04							4					4