

COURSE INFORMATION					
Course Title	Code	Semester	L+P Hour	Credits	ECTS
SEMINAR	CHBE 690	1	0+0	0	2

Prerequisites	None
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Language of Instruction	English
Course Level	Ph.D. Degree (Third Cycle Programmes)
Course Type	Compulsory
Course Coordinator	
Instructors	
Assistants	
Goals	The aim of this course is, to broaden the student's mind in recent topics with the seminars given by guest speakers, academicians and graduate students from Chemistry, Chemical Engineering and Bioengineering disciplines.
Content	Seminar presentation about the research topics in Chemistry, Chemical Engineering and Bioengineering and learn the presented topics.

Course Learning Outcomes	Program Learning Outcomes	Teaching Methods	Assessment Methods
1) He/She gathers together the basic information on which the research topic is based on.	2,3	1, 4	
2) He/She analyzes the research data and presents them in a report.	7	1,3,4	
3) He/She prepares a presentation and gives this presentation in which the gathered information and discussed results are introduced.	8,9,10	1,2,4	
4) He/She analyzes the presentation, considers the results from different point of view and asks questions.	7	2	

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Lab, 4: Case-study
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Assessment Methods:	A: Testing, B: Experiment, C: Homework, D: Project
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COURSE CONTENT		
Week	Topics	Study Materials
1	SEMINAR	
2	SEMINAR	
3	SEMINAR	
4	SEMINAR	
5	SEMINAR	
6	SEMINAR	
7	SEMINAR	
8	SEMINAR	
9	SEMINAR	
10	SEMINAR	
11	SEMINAR	
12	SEMINAR	
13	SEMINAR	
14	SEMINAR	

RECOMMENDED SOURCES	
Textbook	
Additional Resources	Academic publications

MATERIAL SHARING	
Documents	
Assignments	
Exams	

ASSESSMENT		
IN-TERM STUDIES	NUMBER	PERCENTAGE

COURSE CATEGORY	Expertise Course
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COURSE'S CONTRIBUTION TO PROGRAM						
No	Program Learning Outcomes	Contribution				
		1	2	3	4	5
1	Understand and apply fundamental sciences, mathematics and engineering sciences at high level.					
2	Have a wide and deep knowledge in his/her field including the latest progresses.					X
3	Reach the latest knowledge in the field and through its comprehension possess high level competence in required methods and skills for doing research.					X
4	Ability to do an extensive study which brings novelty to science and technology, develop a new scientific method or technological product/process, or apply a known method to a new field.					
5	Understand a genuine research process independently, design, apply and carry through; manage this process.					
6	Contribute to science and technology literature by publishing the outcomes of his/her academic studies in prestigious media.					
7	Able to do critical analysis, synthesis and evaluation of ideas and progresses in his/her specialization.					X
8	Able to communicate and discuss at high level orally, written and visually by using a language at least at the level of European Language Portfolio B2 orally and written.					X
9	Able to communicate with persons in his/her career and widely with scientific and social ensemble orally and written.					X
10	Able to evaluate scientific, technological, social and cultural developments and transfer them to society with senses of scientific disinterest and ethical responsibility.				X	

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity	Duration (Hour)	Total Workload (Hour)
Course Duration (Excluding the exam weeks: 14x Total course hours)	14	2	28
Hours for off-the-classroom study (Pre-study, practice)	1	20	20
Total Work Load			48

Total Work Load / 25 (h)			1.92
ECTS Credit of the Course			2