COURSE INFORMATON					
Course Title	*Code*	*Semester*	*L+P Hour*	*Credits*	*ECTS*
PhD Thesis	**ChBE 700**	**5,6,7,8**			**150**

Prerequisites	Compulsory and Elective Courses, Proficiency Examination

Language of Instruction	English
Course Level	Doctorate (Third Cycle Programme)
Course Type	Compulsory
Course Coordinator	
Instructors	Chem. Eng. Dept. Faculty
Assistants	
Goals	The aim of this course is the preparation and Defense of an original Thesis in the field of Chemical Engineering
Content	Fundamental and advanced principles of Chemical Engineering, Applications and theses

Course Learning Outcomes	**Program Learning Outcomes**	**Teaching Methods**	**Assessment Methods**
1) Gains ability to work on an original scientific Thesis.	2,3,4,5	4,5	D
2) Acquires extensive and original knowledge about the thesis topic	6,7,8,	4,5	D
3)Gains ability to complete an original scientific Thesis. Ability to defend the thesis	6,7,8,9	4,5	D
4) Gains ability to publish scientific results	6,8,9,10	5	D

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Lab, 4: Case-study 5.Discussion
Assessment Methods:	A: Testing, B: Experiment, C: Homework, D**: Thesis Defense**

COURSE CONTENT		
Week	**Topics**	**Study Materials**
1	Thesis	Relevant scientific Publications
2	Thesis	Relevant scientific Publications
3	Thesis	Relevant scientific Publications
4	Thesis	Relevant scientific Publications
5	Thesis	Relevant scientific Publications
6	Thesis	Relevant scientific Publications
7	Thesis	Relevant scientific Publications
8	Thesis	Relevant scientific Publications
9	Thesis	Relevant scientific Publications
10	Thesis	Relevant scientific Publications
11	Thesis	Relevant scientific Publications
12	Thesis	Relevant scientific Publications
13	Thesis	Relevant scientific Publications
14	Thesis	Relevant scientific Publications

RECOMMENDED SOURCES	
Textbook	Relevant scientific Publications
Additional Resources	

MATERIAL SHARING	
Documents	
Assignments	
Exams	

ASSESSMENT

IN-TERM STUDIES	NUMBER	PERCENTAGE
Thesis Defence		**100**
Total		**100**

COURSE CATEGORY	Expertise/

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.					X
5	Understand a genuine research process independently, design, apply and carry through; manage this process.					X
6	Contribute to science and technology literature by publishing the outcomes of his/her academic studies in prestigious media.					X
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 writtten.					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	40	560
Hours for off-the-classroom study (Project study, practice)	15	30	450
Thesis			2750

Total Work Load			3760
Total Work Load / 25 (h)			150,4
ECTS Credit of the Course			150