

**ABDULLAH GÜL UNIVERSITY  
GRADUATE SCHOOL OF ENGINEERING & SCIENCE  
INDUSTRIAL ENGINEERING DEPARTMENT  
COURSE DESCRIPTION AND APPLICATION INFORMATION**

Course Name	Code	Semester	T+P Hour	Credit	ECTS
Ph. D. Special Topics	IE 697	Fall-Spring	4 + 0	0	5

**Prerequisites** No prerequisite

<b>Course Type</b>	Elective
<b>Course Language</b>	English
<b>Course Coordinator</b>	
<b>Course Instructor</b>	
<b>Course Assistant</b>	
<b>Course Objective</b>	To introduce the method and stages of academic research to student
<b>Course Learning Outcomes</b>	Student who accomplishes this course successfully, 1. Identifies the literature about the research topic, 2. Makes a literature review, 3. Defines the problem which he/she is working on, 4. Determines the appropriate methodologies for the solution of the problem 5. Collects required data 6. Interprets solutions, 7. Reports the studies effectively.
<b>Course Content</b>	Seminars given by guests or students

**WEEKLY SUBJECTS AND RELATED PRELIMINARY PREPARATION PAGES**

Week	Subjects	Preliminary
1	Identifying research topic	
2	Literature review	
3	Literature review	
4	Problem formulation	
5	Problem formulation	
6	Developing solution methodology	
7	Developing solution methodology	
8	Developing solution methodology	
9	Data collection	
10	Data collection	
11	Solving the problem	
12	Solving the problem	
13	Solving the problem	
14	Interpretation of results	
15	Reporting	
16	Presentation	

**SOURCES**

<b>Lecture Notes</b>	
<b>Other Sources</b>	Related articles

**Sources Sharing**

<b>Documents</b>	Articles will be shared via Canvas.
<b>Homeworks</b>	No homework.
<b>Exams</b>	No exams.

**EVALUATION SYSTEM**

ACTIVITIES	NUMBER	WEIGHT
Report and presentation	1	%100

<b>TOTAL</b>		%100
<b>Within Semester Activities Success Rate</b>		%100
<b>Final Exam Success Rate</b>		%0
<b>TOTAL</b>		%100

<b>Course Category</b>		
Natural Science and Mathematics		%30
Engineering Science		%70
Social Science		%0

<b>LEARNING OUTCOMES AND PROGRAM QUALIFICATIONS RELATIONSHIP</b>						
No	Program Qualification	Contribution Level				
		1	2	3	4	5
1	PY1.					X
2	PY2.					X
3	PY3.					X
4	PY4.		X			
5	PY5.				X	
6	PY6.			X		

\* It is in the increasing order from 1 to 5.

<b>ECTS / WORK LOAD TABLE</b>			
Activities	Activity	Duration (Hour)	Total Work Load
Course Duration (including exam week: 16x total course hours)		4	64
Out-of-class Study Time (Literature review, data collection)		4	64
Report Preparation		15	15
Presentation Preparation		5	5
<b>Total Work Load</b>			148
<b>Total Work Load / 30</b>			4,93
<b>Course ECTS CREDIT</b>			5