

BALIKESIR UNIVERSITY
NECATİBEY EDUCATION FACULTY
UNIVERSITY ELECTIVE COURSE PROPOSAL FORM

Department/Program	Mathematics and Science Education/Chemistry Education					
Course unit title	Graphic Organizers					
Semester	Fall					
Language of instruction	Turkish					
Credit	2					
Number of ECTS credits	3					
Mode of delivery	Face to face					
Objectives of the course	To be able to conceptualize how construct graphical materials and use in lessons.					
Course content	Graphical materials and graphic organizers Types of graphic organizer					
Prerequisites and co-requisites						
Name of lecturer	Prof. Dr. Canan NAKİBOĞLU			e-mail: canan@balikesir.edu.tr		
Assistants				e-mail:		
Internship	---					
Resources	The articles placed in following journals identified by the instructor will be used. Journal of Chemical Education, Journal of Science Education, Research in Science Education					
Type of course unit	Elective					
Planning learning activities and teaching methods						
Assessment methods and criteria			ECTS allocated based on student workload			
In-term studies	Quantity	Percentage (%)	Activities	Quantity	Duration	Total work load (hours)
Mid-terms	1	20	Course duration	14	3	42
Quizzes	3	30	Hours for off-the-c.r.stud	14	3	42
Assignment	3	30	Mid-terms	1	2	2
Attendance			Final exams	1	2	2
Practice			Total work load (hours): 88			

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Project			Number of ECTS credits: 3
Final exam	1	20	
Learning outcomes	Students will be able to develop necessary skills to construct graphic organizer types		
Weekly detailed course contents			
Weeks	Topics	Prerequisites	Resources
1	Graphical materials and graphic organizers		R1-R2
2	Advance organizer		R1-R2
3	Types of advance organizer		R1-R2
4	Examples of advance organizer		R1-R2
5	Graphic organizer		R1-R2
6	Comparison of graphic organizer and advance organizer		R1-R2
7	Types of graphic organizer		R1-R2
8	Classification of graphic organizer		R1-R2
9	Examining of graphic organizer types		R1-R2
10	Examining of graphic organizer types		R1-R2
11	Examples of graphic organizer		R1-R2
12	Presentation and discussion of material prepared		R1-R2
13	Comparison of Graphical Materials with each other		R1-R2
14	Final exam		R1-R2

91