

BALIKESİR UNIVERSITY
NECATİBEY FACULTY OF EDUCATION
UNIVERSITY ELECTIVE COURSE PROPOSAL FORM

Department / Program	Department of Mathematics and Science Education / Physics Education									
Course Title	21st Century Skills									
Semester	Fall	X			Spring	X				
Language	Turkish	X			English					
Credits	Theory	2			Application	0			Total	2
ECTS	3									
Type of Program	Formal Education					Face to face				
Course Objectives	Within the framework of the course, it is aimed to contribute to the training of students who are knowledgeable about effective and important skills in the lifelong learning process expected from individuals in the 21st century; who manage problem solving and decision making processes well; who can think creatively, innovatively, critically and analytically; who are effective in cooperation, communication, entrepreneurship and leadership.									
Course Content	21st century skills, literacy and values, problem solving and decision making, creative and innovative thinking, critical and analytical thinking, metacognition, self-regulation, self-awareness, self-efficacy, teamwork and collaboration, communication, entrepreneurship and leadership.									
Course Prerequisites	There is no prerequisite for the course.									
Instructor	Assoc. Prof. Dr H.Asuman Küçüközer				mail : akucuk@balikesir.edu.tr					
Course Assistants	-				mail : -					
Course Internship Status	The course has no internship.									
Course Resources	Ormancı Ü. Çepni S. (2022) Kuramdan Uygulamaya 21. Yüzyıl Becerileri ve Öğretimi, Nobel Yayıncılık Bolat Y. (2022) Yaşam Becerileri Eğitimi, Pegem Akademi									
Course Category	Social Sciences									
Planned Learning Activities and Methods	Lecture, Question-Answer, Discussion, Brainstorming, Group Work, Presentation									
Course Evaluation Criteria			Course ECTS Calculation Content							
Semester Studies	Quantity	Contribution (%)	Activity		Quantity	Duration	Total Work Load (Hour)			
Mid-terms	1	40	Course Duration		14	2	28			
Short Exam			Out of Class Work Duration		14	1	14			
Homework			Midterm Exams		1	20	20			
Attendance			Final Exam		1	20	20			
Practice			Total Work Load: 82							
Project			ECTS Credits : 3							
Final Exam	1	60								
Learning Outcomes	Knowing what 21st century skills are To know the basic concepts of problem solving and decision making and to develop skills To know the basic concepts of creative thinking, critical and analytical thinking, to develop skills Being aware of one's own cognition, self-regulation, developing self-efficacy skills									

		To know the basic concepts of communication, entrepreneurship and leadership and to develop their skills	
Course Topics			
Week	Topic	Pre-Study	Materials
1	What are 21st century skills? Literacy and Values	Preliminary research of the relevant subject	Source books and presentations
2	Problem solving skills	Preliminary research of the relevant subject	Source books and presentations
3	Problem solving skills	Preliminary research of the relevant subject	Source books and presentations
4	Decision making	Preliminary research of the relevant subject	Source books and presentations
5	Problem solving and Decision making: Some methods, application	Preliminary research of the relevant subject	Source books and presentations
6	Creative Thinking Skills	Preliminary research of the relevant subject	Source books and presentations
7	Creative Thinking Skills: Application	Preliminary research of the relevant subject	Source books and presentations
8	Midterm Exam	Preliminary research of the relevant subject	Source books and presentations
9	Critical and Analytical Thinking	Preliminary research of the relevant subject	Source books and presentations
10	Critical and Analytical Thinking: Application	Preliminary research of the relevant subject	Source books and presentations
11	Metacognition, Self-Awareness, Self-Regulation, Self-Efficacy	Preliminary research of the relevant subject	Source books and presentations
12	Entrepreneurship, Leadership	Preliminary research of the relevant subject	Source books and presentations
13	Communication Skills	Preliminary research of the relevant subject	Source books and presentations
14	Communication Skills	Preliminary research of the relevant subject	Source books and presentations
15	General Evaluation	Preliminary research of the relevant subject	Source books and presentations

Contribution of Learning Outcomes to Program Outcomes	
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