Course Syllabus

Code - Course Title	**ÇGE210U -**
Course Type	II. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	Research Assistant Dr. Ümran ALAN

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	Genç Kumtepe, E. (2016). Çocuk bilim ve Teknoloji. Anadolu Üniversitesi Yayınları.Michael R. Matthews (1994). Science Teaching: The Contribution of History and Philosophy of Science. Routledge.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		History of Science	
Week - 2		Science and TechnologyLiteracy	
Week - 3		Nature of Science and Teaching Techniques	
Week - 4		Concept Development	
Week - 5		Concept Teaching	
Week - 6		Science Content Knowledge and Science Process Skilss	
Week - 7		Midterm Exam	
Week - 8		Fundemental Theories in Science Education	
Week - 9		Fundemental Approachand Methods in Science Teaching	
Week - 10		Environmental Education	
Week - 11		Sustainability and Environmental Education	
Week - 12		Children and Technology	
Week - 13		Integrated Program Approach in Science Education and STEM Education	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	•Will be able to definethe concept of science, to express historical development
2	•Will be able to explain science and technology literacy and teaching by discussing the place of science and technology in our lives
3	•Will be able to describe the nature of science and its characteristics
4	•Will be able to discuss approaches to the teaching of the nature of science and develop activities to teach natüre of science related concepts
5	•Will be able to explain conceptual development, approaches and learning ways of concepts
6	•Will be able to explain science and related teaching environments in earlychildhood education
7	•Will be able to express scientific process skills and scientific attitude
8	•Will be able to express theories, approaches and teaching and learning methods in earlychildhood science education
9	•Will be able to critically discuss the basic aims of environmental education
10	•Will be able to percieve basic problems of environmental education, comment on these issues
11	•Will be able to describe the historical development of educational technologies and list the main technologies used in education
12	•Will be able to discuss the basic features of the integrated program
13	•Will be able to express the science-technology-society-environmentand STEM (science-technology-engineering-mathematics) approach

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**