

SYLLABUS
Faculty of Science and Literature (Pedagogical Formation)

Course Code	Course Title	Credits	ECTS Value	
FRM404	Instructional Technologies	2 (2-0)	3	
Prerequisite Courses:				
Course Language:	Turkish	Course Delivery Mode:	Online	
Course Type and Level:	Elective / Fall Semester / Undergraduate			
Instructor's Title, Name, and Surname		Course Hours	Office Hours	
Dr. Erdem BODUROĞLU		Tuesday 18:30–20:00	erdemboduroglu @cag.edu.tr	
Course Coordinator:	Dr. Erdem BODUROĞLU			
Course Objectives				
Course Learning Outcomes	Upon successful completion of this course, the student will be able to;		Relations	
			Program Outcomes	Net Contribution
	1	Recognizes information technologies in education.	1	4
	2	Classifies the instructional process and instructional technologies.	1	5
	3	Explains theoretical approaches related to instructional technologies.	1	4
	4	Knows new trends in learning approaches.	1,5	5
	5	Knows current literacies and instructional technologies as tools and materials.	1,5	5
	6	Can design instructional materials.	1,3,7	5
7	Knows the criteria for evaluating instructional materials.	1,3,7	4	
Course Content:	To enable students to use information technologies and material design processes effectively by introducing the fundamental concepts, processes, approaches, and theories related to instructional technologies.			
Course Schedule (Weekly Plan)				
Week	Topic	Preparation	Teaching Methods and Techniques	
1	Introduction, Course Overview, and Assignment of Responsibilities	Students are asked to explain their expectations regarding the course	Presentation, Lecture, Question-and-Answer Activity, Discussion	
2	Definition of the Field of Instructional Technologies and Basic Concepts	Prepare by reading the relevant chapter in the course textbook	Presentation, Lecture, Discussion, Concept Map	
3	Technology and New Literacy Concepts	Prepare by reading the relevant chapter in the course textbook	Presentation, Lecture, Discussion, Question-and-Answer Activity	
4	21st-Century Student and Teacher Skills	Prepare by reading the relevant chapter in the course textbook	Presentation, Lecture, Discussion, Brainstorming, Question-and-Answer Activity	

5	Selection, Development, and Evaluation of Instructional Materials	Prepare by reading the relevant chapter in the course textbook	Presentation, Lecture, Question-and-Answer Activity, Discussion
6	Technology Integration in Education Through Practical Examples	Prepare by reading the relevant chapter in the course textbook	Presentation, Lecture, Discussion, Question-and-Answer Activity, Demonstration and Practice
7	Distance Education (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
8	Midterm Exam		
9	Midterm Exam		
10	Web 2.0 Technologies and Tools in Learning Environments (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
11	Gamification and Educational Games in Education (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
12	Use of Virtual Reality (VR) and Augmented Reality (AR) in Education (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
13	Use of Artificial Intelligence in Education (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
14	Use of Big Data and Data Analytics in Education (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
15	Use of Social Media in Education (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity
16	E-Assessment and Tools Used in E-Assessment (Student Presentations)	For their presentation assignments, each student will prepare a presentation file based on articles, reports, and literature reviews.	Group Presentations, Lecture, Discussion, Question-and-Answer Activity

17	Final Exam		
18	Final Exam		

Course Resources

Textbook:	Özerbaş, Mehmet Arif (Ed.) (2022, 3. baskı) Öğretim Teknolojileri. Pegem Akademi: Ankara + Akademisyen sunumları
Recommended References:	1. Karoglu, Aslıhan Kocaman (Ed.) (2022). Öğretim Teknolojileri. Nobel: Ankara 2. Çalışkan, Hülya (Ed.) (2022). Öğretim Teknolojileri. Nobel: Ankara 3. Dinçer, Serkan (Ed.) (2022, 2. baskı). Öğretim Teknolojileri. Pegem Akademi: Ankara

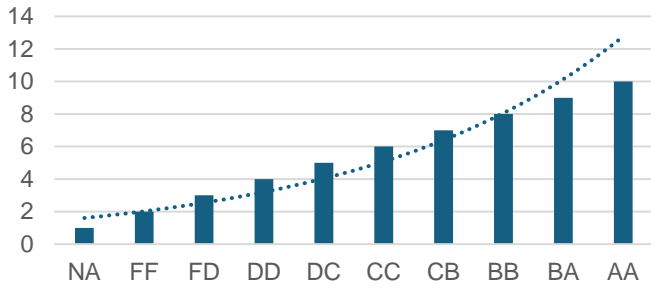
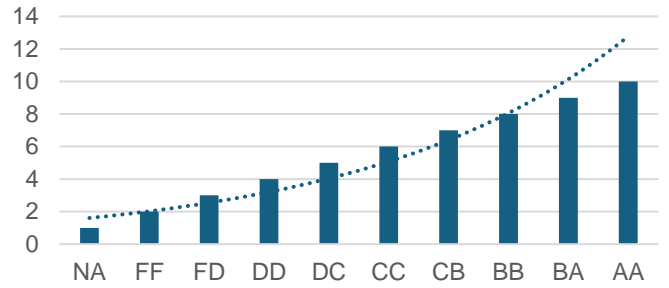
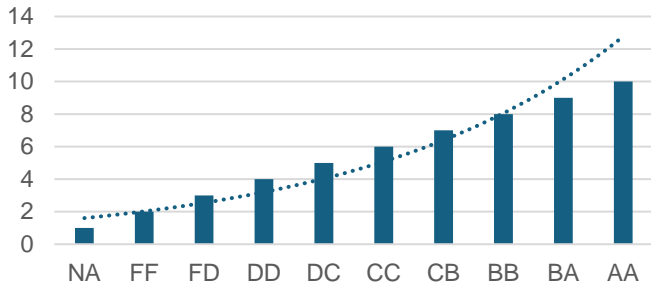
Course Assessment and Evaluation

Activities	Number	Percentile	Notes
Midterm Exam	1	%30	Administered as a paper-and-pencil test; graded according to an answer key.
Presentation	1	%20	Tasks will be distributed to groups. Each student will deliver the assigned presentation on the specified date. Graded using a rating scale (rubric).
Final	1	%50	Prepared as a research report. Graded using a rating scale (rubric).

ECTS Table

Content	Number	Hours	Total
Course Hours (In-Class Time)	14	2	28
Out-of-Class Study	14	1	14
Presentation (Preparation + Presentation Time)	1	8	8
Midterm Exam (Exam Duration + Midterm Exam Preparation)	1	15	15
Final Exam (Exam Duration + Final Exam Preparation)	1	25	25
Total:			90
Total / 30:			90/30
ECTS Credit:			3

Past Term Achievements

 2024-2025 Fall Semester
 Course Code and Name

 2024-2025 Spring Semester
 Course Code and Name

 2025-2026 Fall Semester
 Course Code and Name

 2025-2026 Spring Semester
 Course Code and Name
