

CRITICAL REASONING IN EDUCATION

1	Course Title:	CRITICAL REASONING IN EDUCATION	
2	Course Code:	FEN6130	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	English	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ŞİRİN İLKÖRÜCÜ	
15	Course Lecturers:	yok	
16	Contact information of the Course Coordinator:	Prof. Dr. Şirin İlkörücü ilkorucu@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	This course provide students the opportunity to develop their reasoning skills and apply these skills critically to the subjects in their field. Within the scope of the course, students develop their knowledge and skills by designing a research that includes reasoning for their current or related field topics in the program.	
19	Contribution of the Course to Professional Development:	This course is related to the sub-field of "Approach to the Student", C3 "Communication and Cooperation" within the "Professional Knowledge" competence area of "General Qualifications of Teaching Profession": A1 "Field knowledge", B2 "Creating learning environments" and "Attitudes and Values" within the competence area of "Professional Skills competence". This course contributes to the ability to use the advanced knowledge acquired in the field within the scope of TYYÇ 6 level to the theoretical and practical knowledge, to evaluate the advanced knowledge and skills acquired in the field with a critical approach	
20	Learning Outcomes:		
		1	Acquire theoretical and metadological knowledge about the application of critical reasoning in education.
		2	Develops a positive attitude towards the use of critical reasoning in education to support student development
		3	Can design and implement a learning environment suitable for the developmental characteristics of the students for current or for their own field topics in the program.
		4	
		5	
		6	
		7	
		8	
		9	
		10	

21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	Course introduction, objectives and outcomes			
2	Definition of critical reasoning and its importance in education			
3	Philosophical bases of critical reasoning			
4	Argument and rhetoric			
5	Current and scientific inductive and deductive arguments in education			
6	Strengths and weaknesses of critical reasoning and decision-making processes			
7	Application of critical reasoning in education programmes			
8	Evaluation of current critical reasoning research			
9	Evaluation of current critical reasoning research			
10	Analysing examples of critical reasoning related to the field of critical reasoning, designing evaluation questions			
11	Discussion and decision-making based on critical reasoning on current examples in the field related to education			
Activites		Number	Duration (hour)	Total Work Load (hour)
12	Designing and implementing lesson plans based on critical reasoning	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		8	4.00	32.00
Homeworks		8	7.00	56.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	1.00	1.00
Others		0	0.00	0.00
23	Assesment	1	2.00	2.00
Final Exams		1	2.00	2.00
Total Work Load				119.00
Total work load/ 30 hr		1	20.00	3.97
Midterm Exam				
ECTS Credit of the Course				4.00
Home work-project		1	20.00	
Final Exam		1	60.00	
Total		3	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		40.00		
Contribution of Final Exam to Success Grade		60.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course		Brainstorming, critical discussion, question-answer, cooperative learning and group work methods are applied in this course.		
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	3	1	1	4	3	2	2	3	0	0	0	0	0	0	0
ÖK2	2	2	2	2	3	4	5	4	4	0	0	0	0	0	0	0
ÖK3	2	2	5	2	3	4	5	5	5	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				