

NEW GENERATION SCIENCE QUESTIONS

1	Course Title:	NEW GENERATION SCIENCE QUESTIONS	
2	Course Code:	FEN0101	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
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:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Salih Çepni	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	cepnisalih@uluadg.edu.tr	
17	Website:		
18	Objective of the Course:	Understanding the concept of new generation measurement and evaluation, which has just entered our curricula, and developing a culture of preparing questions according to this concept.	
19	Contribution of the Course to Professional Development:	Learning a new measurement and evaluation approach and disseminating it in schools	
20	Learning Outcomes:		
		1	To gain new generation question writing skills.
		2	To gain new generation question writing skills.
		3	To gain the ability to evaluate the new generation questions written.
		4	To present models on how institutions should make changes in measurement and evaluation in order to transition to the new generation question culture.
		5	To disseminate appropriate new generation measurement and evaluation models in institutions.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	What are the Main Differences Between Classical Assessment and Evaluation and New Generation Assessment?		
2	What are the Theoretical Foundations of Classical Assessment and Evaluation?		

3	New generation measurement and evaluation techniques emphasized in science teaching programs	
4	Examining the nature of PISA and TIMSS exams	
5	Measurement and Evaluation with Rubric Culture	
6	Measurement and Evaluation with Rubric Culture	
7	Portfolio preparation	
8	New generation measurement and evaluation models applied in schools	
9	New generation measurement and evaluation techniques	
10	Recognizing the concept of context in new generation measurement and evaluation	
11	Context-based question writing applications	
12	Writing questions using concept maps and concept networks techniques	
13	New generation question writing with semantic analysis tables	
14	Poster preparation and presentation	

22	Textbooks, References and/or Other Materials:	- PISA Ve TIMSS Mantığını ve Sorularını Anlama, Editör: Prof. Dr. Salih ÇEPNİ, 2019, Pegem Akademi
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Activites		Number	Duration (hour)	Total Work Load (hour)
23	Assesment	14	2.00	28.00
Theoretical Lectures				
Practicals/Labs		0	0.00	0.00
Self study and preparation		0	2.00	28.00
Homeworks		5	10.00	50.00
Projects				
Field work-project		5	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		6	0.00	0.00
Total				
Others		0	0.00	0.00
Success Grade		1	15.00	15.00
Final Exams				
Total Work Load				121.00
Total work load/ 30 hr		100.00		4.03
ECTS Credit of the Course				4.00

Course	ownership reactions, problem-solving skills, intra-group and external communication skills and the resulting projects are evaluated. Students evaluate existing new generation questions by developing new generation questions.
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24	ECTS / WORK LOAD TABLE
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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	1	1	5	1	1	3	3	5	1	1	1	1	1	1	5	1
ÖK2	1	1	5	1	1	2	3	5	1	1	1	1	1	1	5	1

ÖK3	1	1	5	1	1	3	3	5	1	1	1	1	1	1	5	1
ÖK4	1	1	5	1	1	3	3	5	1	1	1	1	1	1	5	1
ÖK5	1	1	5	1	1	3	3	5	1	1	1	1	1	1	5	1
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			