EDUCATIONAL SOFTWARE DESIGN AND EVALUATION						
1	Course Title:	EDUCA ⁻	TIONAL SOFTWARE DESIGN AND EVALUATION			
2	Course Code:	BIL0002	BIL0002			
3	Type of Course:	Optional	Optional			
4	Level of Course:	First Cyc	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	0.00			
10	Laboratory (hour/week):	0				
11	Prerequisites:					
12	Language:	Turkish	Turkish			
13	Mode of Delivery:	Face to	Face to face			
14	Course Coordinator:	Doç. Dr.	Doç. Dr. ERHAN ŞENGEL			
15	Course Lecturers:					
16	Contact information of the Course Coordinator:	drerhans	Doç. Dr. Erhan Şengel drerhansengel@gmail.com, +90 (224) 294 21 80 Eğitim Fakültesi A Blok Oda: 413			
17	Website:					
18	Objective of the Course:	It is the purpose of this course to help students learn the fundamental concepts and principles for designing, developing and evaluating software for educational contexts. Students gain skills to develop and evaluate educational multimedia. They reinforce their understanding by working on multimedia hands-on through up-to-date educational design software.				
19	Contribution of the Course to Professional Development:					
20	Learning Outcomes:					
		1	Explains the concept of computer-based instruction.			
		2	Recognizes the authoring software common to the PC environment.			
		3	Uses at least one type of authoring software to prepare educational software.			
		4	Defines the process of course software preparation and plans the process according to the authoring software.			
		5	Knows the purpose, the importance and the function of scenarios in software design and is able to prepare scenario.			
		6	Knows and is able to perform user interaction, feedback, navigation, graphical design and arrangement in multimedia design.			
		7	Is able to add images, videos, animation, and so forth based on instructional design principles.			
		8	Knows the test design principles in computer-based instruction and is able to design tests.			
		9	Defines the procedures and the techniques for preparing and evaluating multimedia applications.			
		10	Is able to evaluate multimedia applications.			
21	Course Content:					

	Course Content:				
Week	Theoretical	Practice			
1	The history and evolution of computer-based instruction (CBI)				
2	Types of CBI I – Tutorials. Types of CBI II – Hypermedia.				
3	Types of CBI III Practice-Application Software Types of CBI IV – Simulations. Getting to know the Adobe Captivate program. Getting to know the Adobe Captivate interface.				
4	Types of CBI V – Educational Games. Types of CBI VI – Open-ended Learning Environments. Software training (recording modes). Full motion recording (FMR). Image slideshows.				
5	Slides Text captions. Images and drawing objects.				
6	Types of CBI VII – Measurement and Assessment.				
Activit	es	Number	Duration (hour)	Total Work Load (hour)	
Theore	loarking with audio.	14	2.00	28.00	
Practic	als/Labs	14	2.00	28.00	
Self stu	ூரதுவர் zingperajeot s and interactive objects.	13	3.00	39.00	
Homew	vorks	1	15.00	15.00	
Project	Variables, actions and widgets.	0	0.00	0.00	
Field S	tudies	0	0.00	0.00	
Midtern	ि अरुक्षां gns and question pools.	1	10.00	10.00	
Others		0	0.00	0.00	
Final E	Rewing a project.	1	60.00	60.00	
Total W	Vork Load			180.00	
Total w	ork load/ 30 hr Addredator.			6.00	
	Credit of the Course			4.00	
	SCURIVI.				
13	SCORM (continued). Evaluating computer based instructional materials – the concept of quality software.				
14	The purpose and the methods in software evaluation.				

22	Textbooks, References and/or Other Materials:		Alessi, M. & Trollip, S. (2001). Multimedia for learning: Methods and development (3rd. ed). Boston: Allyn & Bacon. İpek, İ. (2001). Bilgisayarla öğretim, tasarım, geliştirme ve yöntemler. Ankara: Tıp Teknik. Şimşek, N. (1998). Bilgisayar yazılımlarının değerlendirilmesi. Ankara: Siyasal Kitabevi. Silverman, F. H. (1998). Authoring books and materials for students. Academics and Professionals. Diğer Kaynaklar Odabaşı, F. (1998). Bilgisayar destekli eğitim (Ünite 8). Hoşcan, Ş. ve diğerleri (editörler) İlköğretim öğretmenliği lisans tamamlama programı: Bilgisayar içinde. Anadolu Üniversitesi Yayınları: Eskişehir				
23	23 Assesment						
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT				
Midterm Exam 1			25.00				
Quiz		0	0.00				
Home v	vork-project	1	25.00				
Final E	kam	1	50.00				
Total		3	100.00				
	ution of Term (Year) Learning Activitie s Grade	es to	50.00				
Contrib	ution of Final Exam to Success Grade)	50.00				
Total			100.00				
Measur Course	ement and Evaluation Techniques Us	sed in the					
24	ECTS / WORK LOAD TABLE						
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS							
	PQ1 PQ2 PQ3 PQ4 PQ5 PQ	6 PQ7 P	PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16				
LO: Learning Objectives PQ: Program Qualifications							
Contr ution Leve	n	3 M	ledium 4 High 5 Very High				