

# INFORMATION TECHNOLOGY IN EDUCATION

1	Course Title:	INFORMATION TECHNOLOGY IN EDUCATION
2	Course Code:	BIL1103
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	7.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. MUSTAFA BALAY
15	Course Lecturers:	Öğr.Gör. MUSTAFA BALAY
16	Contact information of the Course Coordinator:	balay@uludag.edu.tr; 2755027, Eğitim Fakültesi BÖTE Bölümü No:409 BURSA
17	Website:	-
18	Objective of the Course:	To increase the level of awareness and use of information technologies that prospective teachers may need in their own computer lessons and other teachers' lessons at the school where they will work.
19	Contribution of the Course to Professional Development:	It is a course in which the prospective teacher gets acquainted with information technologies closely, helps to determine whether she likes the field or not, and is based on the information she will use during the next 7 academic terms
20	Learning Outcomes:	
	1	Explain the basic concepts of Information Technologies and computational thinking.
	2	Explain the concepts and approaches to problem solving.
	3	Knows the main components of computer systems (computer logic, hardware and software concepts, operating systems, file management)
	4	Uses Microsoft Office Word word processing program effectively.
	5	Uses Microsoft Office Word word processing program effectively.
	6	Uses Microsoft Office Word word processing program effectively.
	7	Explain the basic concepts of web design.
	8	Explain the applications of using the Internet as an educational tool.
	9	Knows the precautions to be taken for computer and internet security.
	10	Knows the effects of computer and internet on children / adolescents.
21	Course Content:	
	Course Content:	

Week	Theoretical		Practice		
1	Basic concepts of Information Technologies (data, information, science, technology, information technology,...) • History of computers • Types of computers		Basic concepts of Information Technologies (data, information, science, technology, information technology,...) • History of computers • Types of computers		
2	Basic concepts of Information Technologies (data, information, science, technology, information technology,...) • History of computers • Types of computers		Basic concepts of Information Technologies (data, information, science, technology, information technology,...) • History of computers • Types of computers		
3	Computational thinking and activities		Computational thinking and activities		
4	Problem solving approaches in information technologies • Algorithm and flow chart		Problem solving approaches in information technologies • Algorithm and flow chart		
5	Working logic of the computer • Hardware-software concepts		Working logic of the computer • Hardware-software concepts		
6	Input and output units, storage units		Input and output units, storage units		
7	Operating systems and their features, current operating systems and their features • Windows operating system installation and file management		Operating systems and their features, current operating systems and their features • Windows operating system installation and file management		
8	Examination of MS Word word processing program		Operating systems and their features, current operating systems and their features • Windows operating system installation and file management		
9	Examination of MS Word word processing program		Examination of MS Word word processing program		
10	Examination of MS Word word processing program		Examination of MS Word word processing program		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	2.00	28.00
12	Examination of MS Excel spreadsheet		Examination of MS Word word processing program		
Practicals/Labs			14	2.00	28.00
14	Self study and preparation of MS Power Point program		Examination of MS Power Point program		
Homeworks			0	0.00	0.00
22	Textbooks, References and/or Other Materials:		Yeni Bilgi teknolojileri ve Bilgisayar Kurulumu. Editor: Aysan Şentürk, Ekin yayınevi.		
Projects			0	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams			1	30.00	30.00
23	Assesment				
Others			0	0.00	0.00
Final Exams		R	1	34.00	34.00
Total Work Load					210.00
Quiz		0	0.00		7.00
Total work load/ 30 hr					7.00
ECTS Credit of the Course					7.00
Final Exam		1	60.00		
Total		2	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			-Multiple choice test, relative evaluation system evaluation in automation system		
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	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
ÖK4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK10	1	1	1	1	1	1	1	3	1	1	1	3	1	1	2	3
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			