



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Information Technologies							
Course Code		EFS200		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	5	Workload	125 ( <i>Hours</i> )	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The general aim of this course is to acquire knowledge and skills about the basic usage of information technologies, in addition to ensure using effectively these technologies in education.							
Course Content		Informatics concept, computational thinking, software/hardware tools, word processor/presentation /calculation programs, desktop publishing, web design principles, internet usage in education, digital citizenship, safe internet							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Project Based Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	40
Project	1	30

### Recommended or Required Reading

1	Bardakçı, S. ve Keser, H. (2017). Bilişim Teknolojilerinin Eğitime Entegrasyonu. Ankara: Nobel Akademik Yayıncılık.
2	Gülbahar, Y. (2018). Bilgi İşlemsel Düşünmeden Programlamaya (3. Baskı). Ankara: Pegem Akademi Yayıncılık.
3	Uzunboylu, H. (2017). Bilişim Teknolojileri (4. Baskı). Ankara: Pegem Akademi Yayıncılık.
4	Çakır, H. ve Eryılmaz, S. (2014). Eğitimciler İçin Bilişim Teknolojileri. Ankara: Pegem Akademi Yayıncılık.
5	Demirel, Ö. ve Altun, E. (2017). Öğretim Teknolojileri ve Materyal Tasarımı (9. Baskı). Ankara: Pegem Akademi Yayıncılık.
6	Dedeoğlu, G. (2009). Etik ve Bilişim. İzmir: Nobel Akademik Yayıncılık.

Week	Weekly Detailed Course Contents	
1	Theoretical	Informatics, information systems and information technologies; usage of information technologies in education
2	Theoretical	Computational thinking and problem solving
3	Theoretical	Basic software and hardware tools; operating systems
4	Theoretical	Word processor programs I
5	Theoretical	Word processor programs II
6	Theoretical	Presentation programs I
7	Theoretical	Presentation programs II
8	Intermediate Exam	Midterm Exam
9	Theoretical	Calculation/table/graphic programs I
10	Theoretical	Calculation/table/graphic programs II
11	Theoretical	Desktop publishing
12	Theoretical	Basic principles in web design
13	Theoretical	Internet usage in education; information and collaboration technologies
14	Theoretical	Digital citizenship
15	Theoretical	Usage of safe internet
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Project	2	1	14	30
Midterm Examination	1	17	1	18



Final Examination	1	20	1	21
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To explain the basic usage areas of information technologies.
2	To define the general scope of computational thinking.
3	To explain the tasks of basic software tools.
4	To explain the tasks of basic hardware tools.
5	To use the basic features of a word processing program.
6	To perform production with a word processing program.
7	To use the basic features of a presentation program.
8	To perform production with a presentation program.
9	To use the basic features of a calculation program.
10	To perform production with a calculation program.
11	To explain the purposes of desktop publishing programs.
12	To define the basic principles of web design.
13	To explain how to use internet effectively in education.
14	To explain the components of digital citizenship.
15	To explain safe internet usage.

### Programme Outcomes (Science Teacher Education)

1	To be able to gain subject knowledge of profession in theory and practice in the learning process.
2	To be able to gain the competence of using the appropriate approach, strategy, method and technique for the instructional plans to be prepared in the learning process.
3	To be able to gain the skills of the teaching profession in the learning process.
4	To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.
5	To be able to comprehend contemporary approaches of education and the philosophy they are based on.
6	To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter.
7	To be able to become individuals faithful to the Principles and Revolutions of Atatürk, be modern democratic, secular, protecting and developing one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values
8	To be able to improve oneself in terms of sport, art and culture.
9	To be able to become individuals believing in lifelong learning.
10	To be able to gain the vision of being individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solutions of these problems.

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15
P1	5	5			4	5		4	4			4			
P2	5	5	5		5	4		5	5	4		5	4	4	
P3	5	5	4		5	4	5	5	5	5		5	5	4	
P4	5	5	5	4		4	5	5	5	5	4	5	5	5	
P5	5	5	5	4	5	4	5	5	5	5	5	5		5	
P6	5	5	5		5	4	5	4	5	5	5	5		5	4
P7	5		4		4	4	5	5	5	5	5	4	5	5	4
P8	5	4	4	4	4	5	5	5	4	5	5	4	5	4	5
P9	5	4		4		5	5	5	4	4	5	4	4		5
P10	5	4					5	4	4	4	4				5

