



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environmental Biology							
Course Code		BYL430		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To teach the value and importance of the environment and to ensure the creation of environmental consciousness.							
Course Content		Value and importance of the environment, environmental consciousness, environmental concept, species concepts and environmental protection, environmental protection and ecosystems, causes and sources of environmental problems, effects of environmental pollution on ecosystems, methods of environmental protection.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Külköylüoğlu, O. (2009) Çevre ve Çevre (İnsan doğa ilişkileri), Abant İzzet Baysal Üniv. Döner Sermaye Basımevi, ISBN 975-321-017-5.
2	Monique, B.M. and Coppolillo, P. (2005). Conservation, Princeton Univ. Press, ISBN 0-691-04980-7.

Week	Weekly Detailed Course Contents	
1	Theoretical	Environmental concept
2	Theoretical	Value and importance of the environment
3	Theoretical	The value of the environment in terms of goods, intrinsic qualities, services, information, and financial worth.
4	Theoretical	Species concepts and environmental protection
5	Theoretical	Environmental protection and ecosystems
6	Theoretical	Effects of environmental pollution on ecosystems
7	Theoretical	Energy Production and Use
8	Theoretical	Cause repetition
9	Theoretical	Fossil Fuels, Nuclear Energy, Renewable Energy
10	Theoretical	Soil pollution, Air pollution, Water pollution
11	Theoretical	Waste Production and Management: Solid waste, Hazerdonous waste, Plastic pollution
12	Theoretical	Climate Change, Global Warming
13	Theoretical	Genetically Modified Organisms and the Environment
14	Theoretical	Biological accumulation: Heavy metals, Pesticides

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	1	5	2	7
Midterm Examination	1	4	1	5
Final Examination	1	5	2	7
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				



**Learning Outcomes**

1	Able to understand the concept of environment
2	Able to comprehend the value and importance of the environment
3	Able to understand importance of species concepts in environmental protection
4	Able to comprehend causes of environmental problems
5	Able to comprehend sources of environmental problems
6	Able to learn the effects of environmental pollution on ecosystems
7	Able to learn methods of environmental protection

**Programme Outcomes (Child Development)**

1	Comparatively evaluate and interpret the reliability and validity of the knowledge he / she has by using the basic and updated theoretical and practical educational and training tools and resources in the field of child development.
2	In line with the theoretical and practical knowledge he has acquired in the field of child development, he has the skills to evaluate children who show typical and atypical development with different methods and tools, develop support programs, provide family counseling and inform the society.
3	Uses his/her knowledge about self-care, physical-motor, cognitive-language, social-emotional development of 0-18 year old children for the developmental and educational diagnosis of children, in the units related to his/her profession for the benefit of children, families and society.
4	Analyzes the problems of their children and their families in terms of health, development, education and social service in the country and produces appropriate solutions and original ideas by using evidence-based knowledge on these problems.
5	Using the basic knowledge in the field of child development, he produces individual and group studies
6	He plans and implements research, professional projects and activities for the social environment in which it lives with the awareness of social responsibility, and monitors and evaluates the process.
7	Acts in accordance with the ethics of science, observes the psychological state of the children and their families in experimental researches on children.
8	Behaves in accordance with laws, regulations and legislation and respectful of democracy, human rights, social, scientific and professional ethical values, presenting an example for the society with his/her attitude, behavior and appearance.
9	Has adequate awareness about quality management and processes, individual and environmental protection and occupational safety issues including infants, children and families, participates and behaves accordingly in these processes.
10	He can integrate her professional knowledge with knowledge from different disciplines, he takes responsibility in multidisciplinary, interdisciplinary and transdisciplinary studies by participating in teamwork and fulfills his duties effectively.
11	Developing the habit of keeping research and learning awareness and knowledge up-to-date throughout life, he knows all the concepts related to development and education for children and young people aged 0-18 and follows the studies on this subject with a critical approach.
12	Using information and communication technologies together with the computer software required by the field.
13	To follow the changes and developments in the field using at least one foreign language.

**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
P1	2	2	3	3	3	3	4
P3	2	2	3	3	3	3	4
P4	2	2	3	3	3	3	4
P5	2	2	3	3	3	3	4
P6	2	2	3	3	3	3	4
P7	2	2	3	3	3	3	4
P8	2	2	3	3	3	3	4
P9	2	2	3	3	3	3	4
P10	2	2	3	3	3	3	4
P11	2	2	3	3	3	3	4

