



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Ecology							
Course Code		ÇS104		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	4	Practice	0	Laboratory	0
Objectives of the Course		Ambient and environment, biotope and ecological mission, population, community, system and ecosystem concepts, biosphere and ecosphere meanings, effects of abiotic and biotic factors on organisms, population and features, biomes and biodiversity.							
Course Content		System, natural and manmade systems, ecosystem and components, habitat, ecological mission, functions of ecosystems, element recycling, ecology of population(natality, mortality, life table, age dispersion etc), ecology of community(domains, diversity of species, succession etc.) dispersion of terrestrial ecosystems, biodiversity and its importance.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Ins. Hayriye Nurcan SÖBÜTAY							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	1. EKOLOJİ-1 Ayşe Boşgelmez, Serap Savaşçı, Sinan Kaynaş, Nuray Paslı
2	2. ÇEVRE BİLİMİ "Mustafa Aydoğdu, Kudret Gezer"

Week	Weekly Detailed Course Contents	
1	Theoretical	What is the environment, environment and species
	Preparation Work	Projection apparatus, slates and supporter books
2	Preparation Work	Projection apparatus, slates and supporter books
3	Preparation Work	Projection apparatus, slates and supporter books
4	Theoretical	Ecosystem
	Preparation Work	Projection apparatus, slates and supporter books
5	Theoretical	Abiotik parts of ecosystem
	Preparation Work	Projection apparatus, slates and supporter books
6	Theoretical	Living zones
	Preparation Work	Projection apparatus, slates and supporter books
7	Theoretical	Problems about nature
	Preparation Work	Projection apparatus, slates and supporter books
8	Intermediate Exam	Midterm
9	Theoretical	Human and environment
	Preparation Work	Projection apparatus, slates and supporter books
10	Theoretical	Basic medicine services and way to benefit
	Preparation Work	Projection apparatus, slates and supporter books
11	Theoretical	Erosion and droughtiness
	Preparation Work	Projection apparatus, slates and supporter books
12	Theoretical	Biological diversity and its protection
	Preparation Work	Projection apparatus, slates and supporter books
13	Theoretical	Biodiversity in Turkey
	Preparation Work	Projection apparatus, slates and supporter books
14	Theoretical	National environmental protection foundations
	Preparation Work	Projection apparatus, slates and supporter books
15	Preparation Work	Projection apparatus, slates and supporter books



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	4	56
Seminar	14	1	1	28
Midterm Examination	1	5	1	6
Final Examination	1	9	1	10
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	To get to adapt to ecological concept
2	2. Ecosystem
3	3. Biotic and abiotic factors
4	4. Population, communities and their features
5	5. To get to have enough information about biomes and biodiversity

**Programme Outcomes (Environmental Health)**

1	They have the appropriate level of knowledge about the basic sciences which has an interaction with the environment and the environment itself.
2	They have gained the basic concepts, skills and qualifications in the Environmental health theoretical and practical lessons. And then they can establish the connections that are necessary to protect the environment and people's health in the light of these competencies.
3	They can use the approaches and the information of basic and applied research in different disciplines. They can follow the innovations and developments in their field, and have self-development competency with the terms of the day.
4	They know and apply the analysis methods used in the evaluation of environmental factors (drinking water, waste water treatment, air pollution, meteorological data, land values, food control, radiation measurement, etc.).
5	They have a professional and ethical consciousness, and have the ability to recognize the environmental problems and also can formulate a solution to these problems. They apply the gained knowledges and skills faced in real life situations, transfers the knowledge to individuals around, and wins the life-long learning behavior.
6	They are able to use their professional knowledge in their lives and behave sensitively toward the local and global environmental problems and effectively uses to the legislation and management tools the necessary for the solution.
7	Gained the ability to adapt the changing in a positive way themselves, to understand the core values and cultures of the society which are living. Sensitive to the universal and the social values, interests of the country, have adopted the concept of sustainable development, environmentally conscious, productive, behaves aware of the ethical and professional responsibility.
8	Provides a healthy interact of individual, society and the environment and take responsibility in the necessary situations for the continuity.
9	They gain the ecologically-based solving skills the problems and the delays that may arise in interaction with each other of living and nonliving environment. Interests of local and national, and Ecological and historical values of our country, and contribute to the protection and the development of them.
10	Exhibits the appropriate behaviours for the protection and the development of plants, animals, and inanimate environment, and the especially human health.
11	Knows the value of energy for life, recognizes the types of energy, and have conscious of the importance, using and dissemination of renewable energy sources.
12	Knows the properties of information and communication technologies, and uses them in the process efficiently and professionally.
13	They aware of the democracy, rule of law, human rights, the national and universal cultural characteristics, and sensitive towards to the nature, society and people.
14	Knows the importance of Atatürk's principles and reforms, make them a way of life.
15	Uses effectively the Turkish in speaking and writing.
16	Has at least one foreign language ability to be able to follow the knowledge in their profession and to communicate with colleagues.
17	To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of field

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

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P7	4	4	4	4	4



P9	5	5	5	5	5
P10	4	4	4	4	4

