



AYDIN ADNAN MENDERES UNIVERSITY
AYDIN VOCATIONAL SCHOOL OF HEALTH SERVICES
MEDICAL SERVICES AND TECHNIQUES
MEDICAL LABORATORY TECHNIQUES
COURSE INFORMATION FORM

Course Title	The Protection Of Nature								
Course Code	ÇS071			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Human impact on biological system of is gradually increase today. Many plant and animal species, having thousands of important gene combination, are threatened by extinction risk. The Nature Conservation course aims to gain knowledge about threats for wild life and to gain awareness for conservation the wild life.								
Course Content	Çevre ile ilgili konular, terimler ve kavramlar, biyolojik çeşitlilik kavramı, çeşitliliğin kökeni ve biyolojik çeşitliliğin ölçülmesi, biyolojik kaynakların ekonomik, ekolojik ve etik değeri, biyolojik çeşitliliği tehdit eden etkenler iucn'in tehdit altındaki tür kategorileri, koruma biyolojisinin genetik temeli, koruma stratejileri, özel koruma bölgeleri oluşturulması ve bu alanların yönetimi, canlıların doğal ortamları dışında korunması, ekosistemlerin restorasyonu, doğal kaynakların sürdürülebilir kullanımı ve korunmasının ulusal ve uluslar arası boyutları, koruma biyolojisinin farklı bakış açılarıyla yorumlanması.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study								
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Primack, R. B., Essentials of Conservation Biology, 5th ed., Sinauer Assoc., ISBN 978-0-87893-637-3, 2010
2	Spellerberg, I.F., Conservation Biology, Longman Group Ltd., 1996.
3	Sohdi, N.S & Ehrlich, P.R., Conservation Biology for All, Oxford University Press, 2010.

Week	Weekly Detailed Course Contents	
1	Theoretical	Themes, terms and concepts of environmental
2	Theoretical	The origins of conservation, measuring biological diversity
3	Theoretical	Ecological, economics and ethical values of biological resources
4	Theoretical	Threats to biological diversity (extinction, habitat destruction)
5	Theoretical	Threats to biological diversity (global climate change)
6	Theoretical	Threats to biological diversity (overexploitation, invasive species, disease), IUCN Red List of Threatened Species
7	Theoretical	The genetic basis of conservation biology
8	Intermediate Exam	Midterm Exam
9	Theoretical	Conservation strategies; conservation of species and populations
10	Theoretical	Conservation of habitats, communities and ecosystems
11	Theoretical	Designing and managing the protected areas
12	Theoretical	Ex situ conservation (zoos, aquaria, botanic gardens, breeding centres)
13	Theoretical	Restoration of the ecosystems
14	Theoretical	An international approach to conservation and sustainable development
15	Theoretical	Conservation biology in perspective (politic, economics, legislation, education)

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	2	1	3



Final Examination	1	4	1	5
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = ECTS	2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

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Programme Outcomes (Medical Laboratory Techniques)

1	To be able to have sufficient back ground in medical laboratory techniques and medical laboratory branches (biochemistry, microbiology, parasitology, sitogenetik etc.); the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledge and other resources have been supported applications and tools based on secondary-level qualifications gained in the field of Medical Laboratory Techniques Program to-date text books containing formations
3	To be able to have basic knowledge about structure and function of systems in human, to analyse these data on tissue, cell and diseases.
4	To be able to analyse the medical samples necessary for physicians by using tools, equipment and techniques at the diagnostic and the therapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratory tools and equipments according to rules and techniques, and make controls and maintenance of them
6	To be able to perform basic tests of related different medical laboratories, prepare solutions.
7	To be able to perform proper sample collection and transport procedures for the medical laboratory tests from the patient.
8	To be able to perform preanalytical sample preparation procedure, prepare inspection preparations, perform disinfection and sterilization
9	To be able to interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired basic knowledge and skills with in the field.
10	To be able to have knowledge about work organization and carry out related practice in medical laboratories
11	To be able to carry out laboratory safety protocols, take individual safety precaution and create safe laboratory environment.
12	To be able to gain the ability to apply by viewing and evaluating the processes related to his/her fields in public and private sector.
13	To be able to gain the awareness of the necessity of life long learning, ability to follow developments in science and technology and self-renewal.
14	To be able to help laboratory experts and medical scientists for their researches
15	To be able to be aware of individual and public health, environmental protection and job security issues, understanding the basic level of the relationship.
16	To be able to grasp principles of Atatürk and their evolutions, to ensure national, ethical, spiritual and cultural values, to adopt to universal and contemporary developments
17	To be able to communicate efficiently for medical service and speak Turkish efficiently.
18	To be able to communicate in English at basic level, utilize foreign language on occupational practice

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
P2	3	3	3	3	3	3	3	3
P10	2	2	2	2	2	2	2	2
P11	2	2	2	2	2	2	2	2
P13	3	3	3	3	3	3	3	3
P15	4	4	4	4	4	4	4	4

