



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

Course Title	Biodiversity								
Course Code	ÇS003	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	56 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Biological richness in Turkey, using for country development, to mobilize of this economical potential determination of condition of these richnesses. Using of these richnesses for medical, forestry, agriculture and industry increasing of useful and continuity of this increasing.								
Course Content	Learning Turkey's genetic sources of plants and animals and conservation methods								
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	60

Recommended or Required Reading

1	Biyoçeşitlilik- CHRISTIAN LEVEGUE
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Week	Weekly Detailed Course Contents	
1	Theoretical	Access to biological richness of Turkey.
2	Theoretical	Genetic sources of plants and animals.
3	Theoretical	Conservation methods for planet genetic sources.
4	Theoretical	Agricultural plants that Anatolian genetic centered.
5	Theoretical	Some endemic and economic plants of Turkey.
7	Theoretical	Gymnosperms and Angiosperms.
8	Intermediate Exam	MIDTERM EXAM
9	Theoretical	Common plants formations.
10	Theoretical	Forests and National parks of Turkey.
11	Theoretical	Invertebrate and fresh water fauna.
12	Theoretical	Sea fauna and determined species number.
13	Theoretical	Reptile characteristics.
14	Theoretical	Birds of Turkey and their general characteristics.
15	Theoretical	Birds of Turkey and their general characteristics.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	10	0	2	20
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
Total Workload (Hours)				56
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. Learning of the birds of Turkey and their general characteristics
2	2. Learning of the sea fauna and the determined species numbers
3	3. The development of the biological richnesses in Turkey like agriculture forestry their increased support of the industry and the increasingly use of these benefits also in the future



4	4. The possibility of using the full economical potential in Turkey and before all to determine the potential of these richness in the country
5	5. Development of the country to use biological riches of Turkey

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, sitogenetiketc.);the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledgeand 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 boks 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 rapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratoy tools and equipments according to rules and technics, 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, under standing the basic level of the relationship.
16	To be able to grasp principles of Atatürk and there volution, to ensurenational, 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
P2	2	2	2	2	2
P13	3	3	3	3	3
P15	5	5	5	5	5
P17	2	2	2	2	2
P18	2	2	2	2	2

