AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Biodiversity						
Course Code	SUM212		Couse Level	First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	74 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Today one of the most common points in conservation/sustainability is biological diversity. This term has been included as a target in conservation strategies since the conference in Rio de Janeiro in 1992. Biodiversity is considered to be a great capital asset worldwide with possible and sustainable benefits. The loss of biodiversity is global issue and it's being arranged with international regulations. If the nutrition need for the whole world's population is considered, plant derived genetic resources are really important for food and agriculture. Therefore, understanding these properties and analyzing them with a geographical perspective is the primary objective.						
Course Content	To be able to give information about biological diversity						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Discussion				
Name of Lecturer(s)	Lec. Birsen KIRIM						

Assessment Methods and Criteria

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

Recommended or Required Reading

1	WWF & IUCN. 1994. Centers of Plant Diversity. A Guide and Strategy for their Conservation (Eds. S.D. DAVIS, V.H. HEYWOOD, & A.C. HAMILTON), 3 volumes IUCN Publications Unit, Cambridge, U.K.
2	GROOMBRIDGE, D. & JENKINS, M.D. 2002. World Atlas of Biodiversity, University of California Press, London.
3	HAILS, A. J. 1997. Wetlands, Biodiversity and the Ramsar Convention: the role of the convention on Wetlands in the Conservation and Wise use of Biodiversity, Gland, Switzerland.

Week	Weekly Detailed Course Contents	
1	Theoretical	The Biosphere: Living resources
2	Theoretical	Biodiversity: Genetic diversity, species and species diversity, ecosystem diversity
3	Theoretical	How do we benefit from biodiversity (Drug sand medicines, economic, science and cultural benefits)
4	Theoretical	Human, food and biodiversity
5	Theoretical	Global distribution of biodiversity: Terrestrial biodiversity, factors that create diversity and distribution
6	Theoretical	Global distribution of biodiversity: Marine and inland water biodiversity
7	Theoretical	The areas of exceptionally high biodiversity, distribution and human impact
8	Theoretical	Midterm exam
9	Theoretical	Centers of plant diversity, criteria, regional distribution
10	Theoretical	Threats induced by the loss of biodiversity-I
11	Theoretical	Threats induced by the loss of biodiversity-II
12	Theoretical	Biodiversity in Turkey and reasons
13	Theoretical	Biological globalization and case studies
14	Theoretical	Biodiversity and global warming
15	Theoretical	Globalization, Turkey and biodiversity
16	Theoretical	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Midterm Examination	1	8	1	9

Final Examination	1	8	1	9
			Total Workload (Hours)	74
			[Total Workload (Hours) / 25*] = **ECTS**	3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Know means of diversity and Its protection and sustainable use
2	Require knowledge on geographical distribution of biological diversity
3	Define biological diversity
4	To explain of abiotic factors and the their effects on organisms
5	To explain of biotic factors and the their effects on organisms

Programme Outcomes *(Dairy Technology)*

1	Having sufficient infrastructure in basic sciences and engineering subjects and ability to use the theoretical and applied info instantly in this field.
2	Determining the modern techniques, tools and information technologies required for applications related with his field and ability to use them efficiently
3	Ability for planning, projecting, and designing, following up, analyzing and finding target-driven solutions related with his field
4	Ability to have professional ethic and awareness.
5	Ability to work, decide, express opinions orally and in written individually
6	Ability to participate team studies, taking responsibility, making leadership.
7	Ability to conceive Ataturk's principles and reforms, to communicate in Turkish and foreign language.
8	Ability to comprehend the necessity to learn for a life time, to monitor developments in science and technology and continuously renew himself.
9	Having sufficient level of information about production and quality control of milk and dairy products and also product development, increasing product quality and food security fields.
10	Ability to detect, define, solve problems related with his field and to select and apply suitable methods and modeling techniques for this purpose.
11	To be conscious about workplace applications, worker health, work security and environment subjects, to have knowledge about legal results of the engineering applications related with his subject.

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	4	4	4	4	4