AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Animal Genetic Resources								
Course Code	TBY324		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Determine and conservation of natural source								
Course Content	Importance, uses, threat and sustainability of natural source								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Project Based Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Richard Frankham, Jonathan D. Ballou, David A. Briscoe, Introduction to Conservation Genetics, Jan 2010

Week	Weekly Detailed Course Contents	
1	Theoretical	Animal genetic sources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
2	Theoretical	Cenetic center and distibution of the animals
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
3	Theoretical	Erasion in genetic sources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
4	Theoretical	General principles of the studies carried about genetic sources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
5	Theoretical	Determine identification and conservation to the genetic sources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
6	Theoretical	Region and priorities for collection
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
7	Intermediate Exam	Midterm exam
8	Theoretical	Effective methods for animal tissue collection
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
9	Theoretical	DNA Library (cDNA)
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
10	Theoretical	Record of the datas
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
11	Theoretical	Gene bank
	Practice	Gene bank using and submitting applications

11	Preparation Work	Reading: source books
12	Theoretical	Conservation
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
13	Theoretical	Renew and reproduce of the sources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
14	Theoretical	Uses in breeding of the sources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
15	Theoretical	Importance of Turkey about genetic resources
	Practice	Conservation Genetics applications
	Preparation Work	Reading: source books
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	2	70
Midterm Examination	1	1	1	2
Final Examination	1	2	1	3
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Know genetic resources of the animals
2	Students are knowledgeable about genetic center, distribution and genetic erasion of the animals
3	Identification, collection, and conservation to the animal genetic source.
4	The principles which to be applicated when tissue collection
5	Students are knowledgeable about importance of the natural source for sustainability.

Programme Outcomes *(Agricultural Biotechnology)*

1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

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	3	4	3	3
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	5	4	3	2	3
P5	4	3	3	3	3
P6	3	3	3	4	3
P7	3	2	2	4	3
P8	3	2	2	4	3