MANAGEMENT, EVALUATION AND IMPROVEMENT OF PLANT GENETIC RESOURCES

1	Course Title:	MANAGEMENT, EVALUATION AND IMPROVEMENT OF PLANT GENETIC RESOURCES
2	Course Code:	BAB5027
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. HATİCE GÜLEN
15	Course Lecturers:	Prof.Dr. Meryem İpek Doç.Dr. Ahmet İpek
16	Contact information of the Course Coordinator:	hsgulen@uludag.edu.tr 224-2941477 Uludağ Üniversitesi Ziraat Fakültesi Bahçe Bitkileri Bölümü Nilüfer/Bursa
17	Website:	
18	Objective of the Course:	The purpose of this course is to give advanced information about plant genetic resources, gene banks all around the World, management and conservation of the gene resources and their importance and usage in plant breeding.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	Learn the importance of plant genetic resources
	2	Learn gene banks and their functions
	3	Learn the conservation and management of gene resources.
	4	Learn the importance of gene resources in plant breeding
	5	Learn usage of gene resources in plant breeding
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Giving outlines and the textbooks of the course.	
2	Importance of plant genetic resources, biodiversity, genetic origin in the World	

3	Importance of genetic resources in Turkey	
4	Management of gene resources	
5	National policy and legal regulations in conservation and management of gene resources	
6	Conservation methods of gene resources	
7	Gene banks and their management	
8	Importance of gene resources in plant breeding program and genetic works	
9	Principles of utilization gene resources in plant breeding program and genetic works	
10	Discussion of reference studies	
11	Discussion of reference studies	
12	Student projects	
13	Student projects	
14	Student projects	

22	Textbooks, References and/or Other Materials:	Kazuo N. Watanabe, Eija Pehu 1997 Plant Biotechnology and Plant Genetic Resources. Academic Press, 247s. Michael Halewood, Isabel Lopez Noriega, Selim Louafi 2013 Crop Genetic Resources as a Global Commons, Challenges in International Low and Governance. Routledge, 424s.

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Homeworks	3	18.00	54.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	70.00	70.00
Total Work Load			180.00
Total work load/ 30 hr			6.00
ECTS Credit of the Course			6.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	0	4	0	5	0	0	0	2	0	4	0	0	0	0	0	0
ÖK2	0	4	0	5	0	0	0	2	0	4	0	0	0	0	0	0
ÖK3	0	4	0	5	0	0	0	2	0	4	0	0	0	0	0	0
ÖK4	0	4	0	5	0	0	0	2	0	4	0	0	0	0	0	0

ÖK5	0	4	0	5	0	0	0	2	0	4	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**