

ENDEMIC AND RARE PLANTS OF TURKEY

1	Course Title:	ENDEMIC AND RARE PLANTS OF TURKEY	
2	Course Code:	BIO5118	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
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. ÖZER YILMAZ	
15	Course Lecturers:	Prof. Dr. Özer YILMAZ	
16	Contact information of the Course Coordinator:	Prof. Dr. Özer YILMAZ ozery@uludag.edu.tr 0 224 29 42 865 Bursa Uludağ Üniversitesi Fen Edebiyat Fakültesi Biyoloji Bölümü, 16059, Nilüfer-BURSA	
17	Website:		
18	Objective of the Course:	The aim of the course introducing the student's graduate school plant diversity in Turkey. Also available for in situ conservation of plant diversity law, regulations, on-site learning the methods of prevention. Thus knowing that students will plant diversity in the field of botanical studies, aimed to be more successful.	
19	Contribution of the Course to Professional Development:	Contribution of the course to professional development; students to recognize the plant diversity in Turkey over the existing laws for the protection of plant diversity, regulations, learning the profession of in situ conservation methods will ensure more successful than his work in the field of botany.	
20	Learning Outcomes:		
		1	The status of endemic and rare plants of Turkey may explain
		2	Endemic and rare plants of Turkey threatening factors can understand.
		3	Endemic and rare plants, endemic, relict, enclaves, invasive species, species living dead, the definition of the concept of extinction and about the differences between them are discusses.
		4	Usage areas of endemic and rare plants can understand.
		5	For the conservation of Endemic and rare plants conservation efforts can comprehend.
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21	Course Content:		

	Course Content:	
Week	Theoretical	Practice
1	Endemic and rare plants, endemic, relict, enclaves, invasive species, species living dead, extinction to introduce the concepts.	
2	Reason for the occurrence of endemic and rare species and determination of gene centers.	
3	The status of endemic and rare plants in Turkey and Endemism in Turkey.	
4	Geographical areas being rich in endemic and rare species.	
5	Endemic and rare species on the distribution areas of the world.	
6	The relationship between biodiversity and endemism.	
7	Factors threatening the endemism and rare species.	
8	Economically important endemic, rare and endangered plants.	
9	Is there a relationship between a number of endemic and rare species with extinctions of these species in an area?	
10	Is there a relationship between endemism and extinction? endangered species, endemic species.	
11	Endangerment status of endemic and rare species (IUCN categories).	
12	Usage areas of endemic and rare plants.	
13	Endemic and rare plants smuggled abroad causes and the necessary precautions are taken.	
14	For the conservation of Endemic and rare plants conservation efforts.	

22	Textbooks, References and/or Other Materials:	1. Avcı, M. 2005. Çeşitlilik ve endemizm açısından Türkiye'nin bitki örtüsü. İstanbul Üniversitesi Edebiyat Fakültesi Coğrafya Dergisi, 13:27-55. 2. Aytaç, Z., Torlak, H., Vural, M. 2010. Türkiye'nin Endemik Bitkileri. Kültür Bakanlığı Yayınları. 3. Baytop, A. 1985. Tıbbi Bitkiler Atlası. Acar Matbaacılık, İstanbul. 4. Ekim, T. ve ark. 1991. Türkiye'nin ekonomik değeri taşıyan geofitleri üzerindeki taksonomik ve ekolojik araştırmalar, Ankara. 5. Ekim, T. ve ark. 2000. Türkiye Bitkileri Kırmızı Kitabı. Türkiye Tabiatını Koruma Derneği, Ankara. 6. Ekim, T. 2009. Türkiye'nin nadir endemikleri. Türkiye İş Bankası Kültür Yayınları, İstanbul. 7. Ekim, K.E. 1992. Endemik Bitkilerimiz. Tok. 74, 31-33. 8. Gap yöresindeki endemik veteriner bitkileri. 2001. Türkiye Çevre Vakfı Yayınları. 9. Gemici, Y. 1992. Türkiye Florasında Endemizm. Tarım ve Köyişleri Dergisi Sayı, 74. 10. Graham, E.I., Graham, M.J. and Wilcox. 2008. Bitki Biyolojisi. Palme Yayıncılık, Ankara. 11. Kaya, Y., Aksakal, Ö. 2005. Endemik bitkiler dünyaya Türkiye'de dağılımı. Erzincan Eğitim Fakültesi Dergisi, 7 (1), 85-99. 12. Ketenoğlu, O. ve ark. 2011. Ekonomik Bitkiler. Palme Yayıncılık, Ankara. 13. Kızıroğlu, İ. ve ark. 1992. Türkiye'nin biyolojik zenginlikleri ve tehdit altındaki canlı türleri. Tabiat ve İnsan, 26, 2, 5-12. 14. Saraçoğlu, A.İ. 2008. Tıbbi Bitkiler, Gün offset. 15. Sezik, E. 1990. Gap ve tabiatın yok olması. Tübitak bülteni, 7, 1-2, 27-28. 16. Tan, A. 1992. Türkiye'de bitkisel çeşitlilik, Endemik tür dağılımı ve muhafazası. Tok. 74, 25-26. 17. Tutel, B. 1992. Türkiye'nin endemik bitkileri üzerindeki notlar. 1. Tok. 74, 25-26. 18. Yücel, M. 1988. Flora ve faunada tür azalmasının nedenleri ve koruma önlemleri, Tübitak ve İnsan, 22, 3, 26-34. 19. Koç, H. 2002. Bitkilerle sağlıklı yaşam. T.C. Kültür Bakanlığı Yayınları, Ankara. 20. Anonim. 2001. Türkiye'nin biyolojik zenginlikleri. Türkiye Çevre Vakfı Yayınları. 21. Avcı, M., Özhatay, N. 2005. Ilgazdağlarının önemli bitki alanları, Türkiye'nin 122 önemli bitki alanı. Doğal Hayatı Koruma Vakfı Yayınları, İstanbul
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23	Assesment		
TERM LEARNING ACTIVITIES	NUMBER	WEIGHT	
Midterm Exam	0	0.00	
Quiz	0	0.00	
Home work-project	2	50.00	
Final Exam	1	50.00	
Total	3	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		50.00	
Contribution of Final Exam to Success Grade		50.00	
Total		100.00	

Measurement and Evaluation Techniques Used in the Course	Measurement and evaluation techniques used in the course; Preparing homework by researching articles related to the subject of the course during the semester and determining how much the student has learned the course content with the final exam at the end of the term.
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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	3.00	42.00
Homeworks	4	15.00	60.00
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	36.00	36.00
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	0	4	0	0	4	3	4	0	3	3	4	0	0	0	0
ÖK2	0	0	4	0	0	4	3	4	0	3	3	3	0	0	0	0
ÖK3	0	0	4	0	0	3	0	4	0	2	2	0	0	0	0	0
ÖK4	0	0	4	0	0	4	3	4	0	3	4	3	0	0	0	0
ÖK5	0	0	0	0	0	4	3	4	0	3	4	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							