	GENERAL CONCEPTS IN BIOTECHNOLOGY								
1	Course Title:	GENER/	AL CONCEPTS IN BIOTECHNOLOGY						
2	Course Code:	VET151	VET1514						
3	Type of Course:	Optional							
4	Level of Course:	First Cycle							
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to t	face						
14	Course Coordinator:	Prof. Dr.	ÖZDEN ÇOBANOĞLU						
15	Course Lecturers:	Doç. Dr. Özden ÇOBANOĞLU							
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniv. Zootekni ve Hayvan Besleme Bölümü / Genetik Anabilim Dalı, Görükle Kampüsü Nilüfer/BURSA E-mail: ocobanoglu@uludag.edu.tr Tel: 0 224 294 1241							
17	Website:	http://www.veteriner.uludag.edu.tr							
18	Objective of the Course:	This course covers definition, scope, usage and history of biotechnology to students; Giving information about traditional and modern biotechnology. Biotechnology related fields, economic importance, situation in our country and in the world, application examples and opportunities in our country.							
19	Contribution of the Course to Professional Development:	This course will provide students with the necessary information about the basic concepts of biotechnology and its applications during their professional development.							
20	Learning Outcomes:								
		1	To explain the basic concepts of biotechnology						
		To have general information about biotechnology users and applications.							
		To have knowledge about biotechnological applica the field of plant, animal, and medicine and to mak observations and experiments on the subject when necessary.							
		4	To distinguish between modern biotechnology and traditional biotechnology.						
		To be able to search about biotechnology and to trathe information obtained orally or in writing.							
	6 1.8 Be able to review and evaluate literature and presentations critically.								

		7	1.10 Use their professional capabilities to contribute to the advancement of veterinary knowledge and One Health concept, in order to improve animal health and welfare, the quality of animal care and veterinary public health.						
		1.13 Demonstrate an ability of lifelong learning and a commitment to learning and professional development. This includes recording and reflecting on professional experience and taking measures to improve performance and competence.							
		9	2.11 Principles of effective interpersonal interaction, including communication, leadership, management and team working.						
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	What is Biotechnology? History of Biotechnology and Scope of Biotech Definitions of Biotechnology; Traditio Biotechnology Applications								
2	Definitions of Biotechnology; Tradition	nal							
Activites			Number	Duration (hour)	Total Work Load (hour)				
Th ē ore	ഭൂട്ടombinant DNA Technology		14	2.00	28.00				
Practica	als/Labs		0	0.00	0.00				
Self stu	Bioinformatics DNA Fingerprint Tech	nnology	1	14.00	14.00				
Homew	vorks		0	0.00	0.00				
Proect:	Plant Biotechnology		0	0.00	0.00				
Field S	tudies		0 0.00 0.00						
Midtern	Medical Biotechnology. Forensic		1	1 14.00 14.00					
Others			2	7.00	14.00				
Fifla E	ব্লিক্সetic Modified Organisms, Gene	Therapy	1	20.00	20.00				
	Vork Load				90.00				
Total w	industry ork load/ 30 hr Biotechnology Regulations, Effects o	of			3.00				
	Credit of the Course				3.00				

22	Textbooks, References and/or Other Materials:		1. Türkiye'de Biyoteknoloji ve Toplumsal Kesimler / Profesyoneller Kentsel Tüketiciler Köylüler. Erbaş, H. ISBN: 978-975-482-773-6. Yayın Yeri. Ankara Yayın Evi: Ankara Üniversitesi Biyoteknoloi Enstitüsü Yayınları No.4. 2008. 2. Introduction to Biotechnology. Pathak, R. Atlantic Publishers & Distributors (P) Ltd. ISBN: 978-812-690-598- 0, 2006. 3. Microbial Biotechnology Principles and Applications. Lee, Y.K. Edited by: National University of Singapore, Singapore. ISBN: 978-981-256-676-8, 2006. 4. Plant Biotechnology and Transgenic Plants. Edited by: Oksman-Caldentey K-M. and Barz W.H. CRC Press. ISBN: 978-082-470-794-1, 2002. 5. Biyoteknolojiye Giriş. Palladino M.A. and Thieman W.J. Çeviri: Tekeoğlu M. Palma Yayınları.				
23	Assesment						
TERM L	TERM LEARNING ACTIVITIES NUMBE R		WEIGHT				
N.C. Hanne E. ann			20.00				

TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT				
Midterm Exam	1	30.00				
Quiz	0	0.00				
Home work-project	2	10.00				
Final Exam	1	60.00				
Total	4	100.00				
Contribution of Term (Year) Learning Activities Success Grade	es to	40.00				
Contribution of Final Exam to Success Grade)	60.00				
Total		100.00				
Measurement and Evaluation Techniques Us Course	sed in the	Exams of the course will be in the form of both classical and multiple choice questions.				

24 ECTS / WORK LOAD TABLE

25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	3	1	2	2	1	5	1	1	1	2	1	1	1	2	0	0
ÖK2	1	1	1	1	1	1	4	1	1	1	1	2	1	2	0	0
ÖK3	2	1	2	1	1	4	1	1	1	1	1	2	2	2	0	0
ÖK4	1	1	2	1	1	4	1	2	1	1	2	1	1	3	0	0
ÖK5	1	2	3	4	1	3	3	1	2	1	1	2	1	0	0	0
ÖK6	1	1	2	3	4	3	3	1	2	1	1	2	1	1	0	0
ÖK7	2	3	1	1	2	1	3	1	2	2	1	1	2	4	0	0
ÖK8	3	2	1	3	4	2	1	1	3	1	2	3	1	2	0	0
ÖK9	2	1	3	1	3	2	3	2	1	3	3	4	2	1	0	0
	LO: Learning Objectives PQ: Program Qualifications															

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					