RESEARCH TECHNIQUES AND ETHICS IN REPRODUCTIVE BIOLOGY

1	Course Title:	RESEARCH TECHNIQUES AND ETHICS IN REPRODUCTIVE BIOLOGY
2	Course Code:	TÜB5022
3	Type of Course:	Compulsory
4	Level of Course:	Second 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:	None
12	Language:	English
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ÖZHAN EYİGÖR
15	Course Lecturers:	Prof. Dr. Murat Civaner Prof. Dr. Ersin Dereligil Prof. Dr. Alis Özçakır Yüksek Kimyager Sevcan Kalender
16	Contact information of the Course Coordinator:	Prof. Dr. Özhan EYİGÖR oeyigor@uludag.edu.tr 54065
17	Website:	
18	Objective of the Course:	To learn the concept of scientific research and ethics, to understand the importance of patent and commercialization, and to learn about occupational safety.
19	Contribution of the Course to Professional Development:	Ensures that he / she is an academician who complies with ethical rules and can conduct scientific research.
20	Learning Outcomes:	

	1	Learns the concept of scientific research;
	2	Learns the concept of scientific ethics;
	3	Learns the concept of patent;
	4	Have information about job security;
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Definition of scientific research	
2	Hypothesis and research question concept	
3	Planning a scientific research	
4	Ethical rules in reproductive biology research	

5	Ethical rules in embryology research	
6	Preparation of scientific research results for publication	
7	Access to Scientific Resources, Databases and Indexes	
8	Citing in Publications (Mendeley etc.)	
9	The Concept of Plagiarism and Scientific Ethics	
10	Plagiarism Programs	
11	Importance of Patent and Commercialization	
12	Patent application processes: Laws and regulations. From idea to patent.	
13	Patent application, registration and commercialization	
14	Occupational work security	

22	Textbooks, References and/or Other Materials:	Lecture Notes
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Multiple choice and classic question exam

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	10	2.00	20.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	18.00	18.00
Others	0	0.00	0.00
Final Exams	1	24.00	24.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

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	2	5	5	1	1	5	4	3	1	1	0	0	0	0	0	0
ÖK2	2	5	3	1	0	0	1	3	2	1	0	0	0	0	0	0
ÖK3	0	0	0	0	3	3	3	3	3	2	0	0	0	0	0	0
ÖK4	1	1	0	3	0	0	0	0	0	1	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**						