

# SCIENTIFIC RESEARCH AND METHODS

1	Course Title:	SCIENTIFIC RESEARCH AND METHODS	
2	Course Code:	VAN6030	
3	Type of Course:	Compulsory	
4	Level of Course:	Third 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:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. İlker Arıcan	
15	Course Lecturers:	Yok/None	
16	Contact information of the Course Coordinator:	Doç. Dr. İlker ARICAN arican@uludag.edu.tr +902242941255 Uludağ Üniv. Veteriner Fak. Anatomi A.D. A Blok Görükle Kampüsü 16059 BURSA	
17	Website:		
18	Objective of the Course:	Aims to enable them to experience the process of preparing scientific research proposal and to work with appropriate research methods and techniques and to present the findings and results obtained by statistical data as a written report in accordance with scientific writing rules and ethical rules by providing knowledge about scientific research methods and techniques.	
19	Contribution of the Course to Professional Development:	Contribution to academic development	
20	Learning Outcomes:		
		1	To be able to explain scientific research and properties
		2	To prepare scientific research proposal
		3	Apply appropriate research methods and techniques to studies
		4	Literature search and referencing
		5	To be able to learn data collection and analysis techniques
		6	Applying information about ethical standards, software and legal limitations
		7	To be able to write reports according to scientific writing rules
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		9	
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Research methodology		

2	Identifying research topic	
3	To define research problem	
4	Scanning of references	
5	Hypothesis writing	
6	Determining research method and model	
7	General discussion	
8	Data collection and analysis	
9	References of scientific research writing rules and techniques	
10	Interpretation and report writing	
11	Ethical principles of scientific publishing	
12	Ethical standards, legal restrictions and softwares	
13	Corresponded research publication: international standards for authors	
14	TÜBİTAK research and publication board regulation and YOK scientific research and publications guide	

22	Textbooks, References and/or Other Materials:	İslamoğlu, H.A. (2002). Bilimsel araştırma yöntemler. İstanbul: Beta.  Kaptan, S. (1991). Bilimsel araştırma ve statstik teknkler. Ankara.
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	2	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	10	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	30.00	30.00
Total Work Load			86.00
Total work load/ 30 hr			2.87
ECTS Credit of the Course			3.00

		Seyidoğlu, H.2009. Bilimsel Araştırma ve Yazma El Kitabı, Güzem Can Yayınları, İstanbul.
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23	Assesment	
TERM LEARNING ACTIVITIES	NUMBE R	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	Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>

<b>25</b>	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK6	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>		<b>2 low</b>		<b>3 Medium</b>		<b>4 High</b>		<b>5 Very High</b>							