

# SCIENTIFIC RESEARCH METHODS, AND RESEARCH ETHICS

<b>1</b>	Course Title:	SCIENTIFIC RESEARCH METHODS, AND RESEARCH ETHICS	
<b>2</b>	Course Code:	BED5101	
<b>3</b>	Type of Course:	Compulsory	
<b>4</b>	Level of Course:	Second Cycle	
<b>5</b>	Year of Study:	1	
<b>6</b>	Semester:	1	
<b>7</b>	ECTS Credits Allocated:	4.00	
<b>8</b>	Theoretical (hour/week):	3.00	
<b>9</b>	Practice (hour/week):	0.00	
<b>10</b>	Laboratory (hour/week):	0	
<b>11</b>	Prerequisites:		
<b>12</b>	Language:	Turkish	
<b>13</b>	Mode of Delivery:	Face to face	
<b>14</b>	Course Coordinator:	Prof. Dr. Ramiz Arabacı	
<b>15</b>	Course Lecturers:		
<b>16</b>	Contact information of the Course Coordinator:	Prof. Dr. Ramiz ARABACI e-mail: ramizar@uludag.edu.tr tel: 0224 2940685	
<b>17</b>	Website:		
<b>18</b>	Objective of the Course:	The aim of this course was to learn and gain theoretical and practical knowledge and skills about science research methods of physical education and sport	
<b>19</b>	Contribution of the Course to Professional Development:	To develop research skills in the field of physical education and sports.	
<b>20</b>	Learning Outcomes:		
		1	Able to plan the process of scientific research related to physical education and sports
		2	Able to Define the problem of scientific research
		3	To use data collection techniques
		4	Able to define the quantitative research methods
		5	Able to define the qualitative research methods
		6	Able to make the literature review
		7	Able to conduct scientific research
		8	
		9	Able to writing scientific reports, article and theses,
		10	
<b>21</b>	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Basic concepts of science and research		
2	Types of research applied in the field of sports		
3	The criteria and selection of problem in physical education and sport		
4	Hypotheses and assumptions		

5	Limitations and definitions	
6	The literature review	
7	Methodology, research models	
8	Population and Sample	
9		
10		
11		
12		
13		
14		

22	Textbooks, References and/or Other Materials:	<p>1. Thomas, J.R. &amp; Nelson, J.K. (2001) Research methods in physical activity. Human Kinetics, 4th edition.</p> <p>2. Büyükoztürk, Ş., Kılıç Çakmak, E., Akgün, Ö.E., Karadeniz, Ş., Demirel, F. Bilimsel araştırma yöntemleri, Pegem Akademi, 2008</p> <p>3. Welk G.J, The Role Of Physical Activity Assessments For School-Based Physical Activity Promotion, Measurement in Physical Education and Exercise Science, 12: 184–206, 2008</p> <p>4. Ward, D., Saunders, R., &amp; Pate, R. (2002) Physical Activity Interventions in Children and Adolescents, Human Kinetics, ISBN 9780736051323.</p> <p>1. Balcı, A. (2009). Sosyal bilimlerde araştırma yöntem teknik ve ilkeler (7. Baskı). Ankara: Pegem Yayıncılık.</p> <p>2. Karasar, N. (2008). Bilimsel araştırma yöntemi (17.Baskı). Ankara: Nobel Yayın Dağıtım.</p> <p>3. Karasar, N. (2000). Araştırmalarda rapor hazırlama (10.Baskı). Ankara: Nobel Yayın Dağıtım.</p> <p>4. Yıldırım, A. &amp; Şimşek, H. (2005). Sosyal bilimlerde nitel araştırma yöntemleri (5. Baskı). Ankara: Seçkin Yayıncılık.</p> <p>5. Alpar, R. (2000). Spor Bilimlerinde Uygulamalı İstatistik, Gençlik ve Spor Genel Müdürlüğü, Ankara</p>
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23	Assesment	
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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		Classical Exam

24	ECTS / WORK LOAD TABLE	
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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	12	4.00	48.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	10	3.00	30.00
Final Exams	1	2.00	2.00
Total Work Load			122.00
Total work load/ 30 hr			4.07
ECTS Credit of the Course			4.00

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	0	0	0	0	0	5	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK3	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	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>			