



**UNIVERSITY "UKSHIN HOTI" PRIZREN**  
**FACULTY OF COMPUTER SCIENCE**

PROGRAM: Information Technology and Telecommunication

**SYLLABUS**

<i>Level of studies</i>	Bachelor	<i>Program</i>	TIT	<i>Academic year</i>	2018/2019	
<b>SUBJECT</b>	RESEARCH METHODS					
<i>Year</i>	2 <sup>nd</sup>	<i>Status Of the subject</i>	Obligatory	<i>Code</i>	<i>ECTS credits</i>	6
<i>Semester</i>	VI					
<i>Teaching weeks</i>	15	<i>Hours teaching</i>	60	<i>Lectures</i>	<i>Exercises</i>	
<i>Teaching Methodology</i>	Lectures, exercises, seminar papers, consultations, etc.					
<i>Consultations</i>	1 hr / week					
<i>Professor</i>	Dr. Sc. Luan VARDARI, CFF	<i>E-mail:</i>	luan.vardari@uni-prizren.com			
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Study goal and table of content	Benefits of student
<ul style="list-style-type: none"> <li>The aim of the course is to analyze the methods of scientific research and to examine the development of modern science and scientific research.</li> </ul>	Students who successfully complete this course will be able to; The purpose and definition of science, Characteristics of scientific knowledge, Scientific information and values system, The birth and development of modern science, Method in social sciences, Major research methods, Data collection methods, Measurement and testing techniques

<b>Methodology for the implementation of educational topics:</b>		
The course, slide show presentation, group work, discussion on topics in the form of questions and answers, the student to analyze the topics and ideas, to do research on the topics we have studied in the course, problem-solving and project preparation in the course of the project.		
<b>Conditions for realization of educational topics:</b>		
Adequate literature, tables, computers, projectors, Arduino boards and other IT tools for learning and exercises.		
<b>Ways of assessing of the student (in %) :</b>	<b>Evaluation in%</b>	<b>Final grade</b>
Project/laboratory	20.00 %	51-60% - grade 6 61-70        7 71-80        8 81-90        9 91-100      10
Test 1	40.00 %	
Test 2	40.00 %	
Or		
<b>Total</b>	<b>100.00 %</b>	
<b>Obligations of student:</b>		
<b>Lectures</b>	<b>Exercises</b>	
The student is obliged to follow the courses and practice course. They must be prepared for the	In the practical course of the course, students will be able to do some exercises on the subjects	

lesson based on the resources determined by the instructor. During the course, students must actively contribute to improve the quality of the course. The rules and ethical principles required by the university and higher education should be taken into consideration.	and prepare homework within the given subject.
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Activities	Hour/ weeks	Days/Weeks	Total
Lectures	2	15	30
Laboratory exercises	2	15	30
Contacts with teachers / consultations	1	5	5
Practical work	1	2	2
Projects, presentations, etc.	1	2	2
Own study time	3	15	45
Preparation for final exam	5	6	30
Time spent in the assessment (tests, final exam, etc.)	2	3	6

**Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.**

<b>Total load:</b>	<b>150</b>
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Week	Lectures	Hour	Exercises	Hour
	Topic		Topic	
1-2	<ul style="list-style-type: none"> <li>Presentation of the syllabus               <ul style="list-style-type: none"> <li>Meet. General introduction of the course, importance of the resources to be used; information on method and flow plan.</li> <li>Types of science and knowledge</li> </ul> </li> </ul>	4	Meet. General introduction of the course, importance of the resources to be used; information on method and flow plan.  Types of science and knowledge	4
3	<ul style="list-style-type: none"> <li>Research resources</li> <li>The Relationship between Science and Philosophy</li> </ul>	2	<ul style="list-style-type: none"> <li>Research resources</li> <li>The Relationship between Science and Philosophy</li> </ul>	2
4-5	<ul style="list-style-type: none"> <li>Qualitative and quantitative approaches</li> <li>Development of Modern Science</li> <li>How to prepare a scientific text?</li> </ul>	4	<ul style="list-style-type: none"> <li>Qualitative and quantitative approaches</li> <li>Development of Modern Science</li> <li>How to prepare a scientific text?</li> </ul>	4
6-7	<ul style="list-style-type: none"> <li>Different approaches to science, paradigm</li> <li>Positivism, Hermeneutics</li> <li>Techniques used in Social Science</li> </ul>	4	<ul style="list-style-type: none"> <li>Different approaches to science, paradigm</li> <li>Positivism, Hermeneutics</li> <li>Techniques used in Social Science</li> </ul>	4
8	<ul style="list-style-type: none"> <li>Midterm</li> </ul>	2	<ul style="list-style-type: none"> <li>Solution of Exam Questions</li> </ul>	2
9-10	<ul style="list-style-type: none"> <li>Data Collection Techniques</li> <li>Review of Ready Information</li> <li>Interview Method</li> <li>Survey Method</li> </ul>	4	<ul style="list-style-type: none"> <li>Data Collection Techniques</li> <li>Review of Ready Information</li> <li>Interview Method</li> <li>Survey Method</li> </ul>	4
11-12	<ul style="list-style-type: none"> <li>Measurement and Testing Techniques</li> <li>Sample Error</li> <li>Solution of Data</li> <li>Case study</li> </ul>	4	<ul style="list-style-type: none"> <li>Measurement and Testing Techniques</li> <li>Sample Error</li> <li>Solution of Data</li> <li>Case study</li> </ul>	4
13-14	<ul style="list-style-type: none"> <li>Methods of Data Collection in Qualitative Research</li> <li>Document Review</li> <li>Data Analysis in Qualitative Research</li> </ul>	4	<ul style="list-style-type: none"> <li>Methods of Data Collection in Qualitative Research</li> <li>Document Review</li> <li>Data Analysis in Qualitative Research</li> </ul>	4

15	• Final exam	2	• Solving Final Questions	2
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<b>LITERATURE:</b>	
<b>Main Literature:</b>	
<ol style="list-style-type: none"> <li>1. Yıldırım, Ali ve Şimşek, Hasan, (2005), Sosyal Bilimlerde Nitel Araştırma Yöntemleri, Ankara: Seçkin.</li> <li>2. Arıkan, Rauf, (2000), Araştırma Teknikleri ve Rapor Yazma, Ankara: Gazi Kitabevi.</li> <li>3. Geray, Haluk, (2004), Toplumsal Araştırmalarda Nicel ve Nitel Yöntemlere Giriş, Ankara: Siyasal Kitabevi.</li> <li>4. Seyidoğlu, Halil, (2000), Bilimsel Araştırma ve Yazma El Kitabı, İstanbul: Güzem Yayınları.</li> <li>5. Day, Robert A., (2007), Bilimsel Makale Nasıl Yazılır, Nasıl Yayınlanır?, İstanbul: TÜBİTAK.</li> </ol>	
<b>Additional literature:</b>	
<ol style="list-style-type: none"> <li>1. Ataöv, Türkkaya, (2006), Bilimsel Araştırma El Kitabı, İstanbul: Alkim Yayınları.</li> <li>2. Kütükoğlu, Mübahat S., (2007), Tarih Araştırmalarında Usul, İstanbul: Elif Kitabevi.</li> <li>3. Türkdoğan, Orhan, (2000), Bilimsel Araştırma Metodolojisi, İstanbul: Timaş Yayınları.</li> <li>4. Duverger, Maurice, (1990), Sosyal Bilimlere Giriş, (çev. Ünsal Oskay), İstanbul: Bilgi Yayınları.</li> <li>5. Sunar, İlkay, (1999), Düşün ve Toplum, İstanbul: Doruk Yayınları.</li> </ol>	
<b>NOTICE:</b>	
<p>In general, the course will be carried out with Power Point and other resources. In addition, the lecturer will provide additional resources (scientific studies, reports, national and international published articles) other than the main sources.</p>	
<b>Notice for the student:</b>	
<p>Students are required to be regular in the lectures and exercises section.</p> <ul style="list-style-type: none"> <li>• Students are not allowed to enter the class in a timely and prepared manner.</li> <li>• 80% attendance is required during the semester.</li> <li>• In the course, discussion, question, feedback, subject, and presentation - to take an active role in the applications.</li> <li>• Voice recorder, telephone etc. during the lesson. The use of such devices is prohibited.</li> </ul>	