



Меѓународен Универзитет Визион - International Vision University
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

Adres: Ul. Major C. Filiposki No.1, Gostivar – Kuzey Makedonya
 tel: +389 42 222 325, www.vizyon.edu.mk, info@vizyon.edu.mk

SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
SCIENTIFIC RESEARCH METHODOLOGY	ARC-5001	9	180	6

Prerequisite(s)	None
-----------------	------

Course Language	Macedonian, Turkish, English
Course Type	Obligatory
Course Level	Second Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	

Course Objectives	The aim of this course is to give the students the main knowledge and ability concerning scientific - research methodology, writing and presentation of the research results. Acquiring the skill of research, analysis and interpretation of scientific knowledge. Gaining the ability to look in different windows and make alternative interpretations while doing scientific analysis.
Course Learning Outcomes	Upon successful completion of this course, students will be able to: <ul style="list-style-type: none"> • understand and explain the concept of scientific research; • identify ways of scientific research; • plan the steps of a scientific research process; • describes the various research methods used in scientific research; • search for primary and secondary sources for scientific research; • learn how to collect data for a scientific research; • to generate model and hypothesis in a scientific research; • to compile, evaluate and discuss the findings obtained as a result of a scientific research; • to generate inferences of a scientific research; • to identify recommendations for the future research.
Course Contents	<ul style="list-style-type: none"> • A science, research methodology, and research methods. • Types of research, meaning of research, objectives of research, criteria of good research and characteristics, and research approaches. • A flow chart in the research process, collecting the data, and execution of the project.

	<ul style="list-style-type: none"> • A research problem, selecting the problem, necessity of defining the problem, and techniques involved in defining a problem. • Meaning of research design, the parts of research design, features of a good design, and different research designs. • Sampling design and measurement in research, measurement scales, sources of error in measurement, and tests of sound measurement. • Data collection, methods for collection, selection of appropriate method, and collection of secondary data. • Analysis of data, types of analysis, and statistics in research. • A hypothesis, basic concepts concerning testing of hypotheses and flow diagram for hypothesis testing. • Interpretation the results, meaning, techniques and significance of interpretation, as well and types of reports. • A role of the computer in research, computer applications, and ethics in research.
--	---

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Research methodology, research methods and approaches	Related Chapters of Course Sources
2	Types of Research	Related Chapters of Course Sources
3	Research process	Related Chapters of Course Sources
4	Research problem	Related Chapters of Course Sources
5	Research design	Related Chapters of Course Sources
6	Sampling Design	Related Chapters of Course Sources
7	Mid-term exam	Related Chapters of Course Sources
8	Measurement	Related Chapters of Course Sources
9	Data Collection	Related Chapters of Course Sources
10	Analysis in research	Related Chapters of Course Sources
11	Testing of hypotheses	Related Chapters of Course Sources
12	Interpretation the results and generate inferences	Related Chapters of Course Sources
13	The computer: Its Role in Research and Ethics	Related Chapters of Course Sources
14	Seminar paper	Related Chapters of Course Sources

15	Final exam	Related Chapters of Course Sources
----	------------	------------------------------------

ECTS / WORKLOAD TABLE

Presentation / Seminar	1	36	36
Theoretical Courses	12	2	24
Hours for off-the-classroom study (Pre-study, practice)	12	5	60
Midterm Exam	1	30	30
Final Examination	1	30	30
Total Work Load		180	
ECTS		6	

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Методологија на научно-истражувачка работа	Никола В. Димитров, Издание на авторот, 2017
2	Sosyal Bilimlerde Araştırma Yöntemleri (SPSS Uygulamalı)	Remzi Altunışık, Recai Coşkun, Serkan Bayraktaroğlu, Engin Yıldırım, Sakarya Yayıncılık, 2012
3	Research Methodology: Methods and Techniques	C. R. Kothari, Amazon, 2008

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Методологија на научно - истражувачка работа	Ристо Малчески, FON, 2014
2	Bilimsel araştırma yöntemleri	İslamoğlu, H.A., Beta yayınları, 2002
3	Research Methods	Patrick McNeill, Winner, 2004

EVALUATION SYSTEM

Underlying the Assessment Studies	Number	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-term Exam	1	%35
Final Exam	1	%35
TOTAL	18	%100

ETHICAL CODE OF THE UNIVERSITY

In case students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.