

	<b>Course Name:</b>	<b>The Methodology of Life 1</b>		
<b>Course code</b>	<b>Item Status</b>	<b>Semester</b>	<b>Number of ECTS credits</b>	<b>Number of lessons (weekly)</b>
PL1MI	Required	VII	2	2P+0V

**Study programs for which it is organized:** Faculty of Polytechnics

**Subject to other subjects:** None.

**The subject** Research Methodology includes the study of theoretical and practical aspects of the implementation of research projects. The focus of this course is on the development of knowledge and skills necessary for the proper application of methodological principles in scientific research. The idea of the course is for the student to adopt practical guidelines for collecting, processing and analyzing data and for the student to be able to conduct research through independent development of research projects.

**Course Objectives:** The aim of the course Research Methodology 1 is for students to understand research and the research process and to master the methodology of research projects. Therefore, through lectures and practical development of the project during the semester, the goal is for the student to develop the ability to define problems and research questions, define a hypothesis, determine methods and techniques for data collection and analysis, and generally get acquainted with the methodology of conducting research.

- **Learning Outcomes:** A student who successfully masters this subject will be able to:
  1. Understands the basic steps and significance of the research process, including defining the problem, research question and hypothesis;
  2. Identify and use appropriate data collection methods, such as surveys, interviews, and experiments, tailored to specific research projects;
  3. Analyzes and interprets data using basic mathematical and statistical methods;
  4. Designs, plans and implements research projects in accordance with methodological principles;
  5. Acquires the skills necessary for independent preparation of written research papers and defense of results in front of an expert team.

**Name and surname of teachers and associates:** Assoc. Prof. dr. Vojin Golubović and Assoc. Prof. dr. Milika Mirkovic

**Method of teaching and mastering the material:** lectures, tests, project tasks

**WORK PLAN**

**Sunday:** Name of methodological units for lectures (P), exercises (V) and other teaching content (O); Planned form of examination (Pz)

<b>Preparatory Sunday</b>		Introduction, preparation and enrollment of the semester.
<b>And Sunday</b>	<b>P/V</b>	Introduction to Research: What is Research?
<b>II</b>	<b>P/V</b>	Significance of Research: Why is Research Significant?
<b>III</b>	<b>P/V</b>	Phases in research: How is a research project conducted?
<b>IV</b>	<b>P/V</b>	Research Problem: What is a Research Question?
<b>V</b>	<b>P/V</b>	Defining a Hypothesis: What is a Hypothesis and How to Get a Hypothesis in Research?
<b>VI</b>	<b>P/V</b>	Data: data type
<b>VII</b>	<b>P/V</b>	Methods of primary data collection
<b>VIII</b>	<b>PCS</b>	Secondary data: how to collect secondary data
<b>IX</b>	<b>P/V</b>	Creating Databases
<b>X</b>	<b>P/V</b>	Data presentation
<b>XI</b>	<b>P/V</b>	Graphical and tabular display of data
<b>XII</b>	<b>P/V</b>	Structure of the research project
<b>XIII</b>	<b>P/V</b>	Development of a research project
<b>XIV</b>	<b>P/V</b>	Development of a research project
<b>XV</b>	<b>P/V</b>	Development of a research project
<b>XVI</b>	<b>PCS</b>	<b>Final exam.</b>
<b>XVII</b>		<i>Semester certification and grade entry</i>
<b>XVIII</b>		<b>Make-up exam period</b>

**Student's responsibilities during the course:** lectures, discussions, project assignments.

**Email Consultation:** Yes

**Student workload**

<p><b>Sunday</b></p> <p>2 credits x 40/30 = 2 hours 40 minutes (total weekly workload)</p> <p><b>Structure:</b></p> <p>1 hour of lecture</p> <p>1 hour and 40 minutes of independent work, including consultations.</p>	<p><b>In the semester</b></p> <p>Total load for the item 2x30 = 60h</p> <p><b>Structure:</b></p> <p>Classes and final exam: 2h40min x 9 weeks = 24h</p> <p>Necessary preparations before the start of the semester (administration, enrollment, certification): 2h40minx2=5h20min</p> <p>Supplementary work for preparation and passing exams in the remedial period: 0-30h</p>
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**Literature:**

Social research methods, 4th edition, Bryman Alan

Chrestomathy-Research Methodology: Vojin Golubović, Milika Mirković

**Forms of assessment and assessment:**

Homework 10%, research project 45%, oral defense of the project 45%.

<i>Rating</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>
<i>Number of points</i>	<i>90-100</i>	<i>80-89</i>	<i>70-79</i>	<i>60-69</i>	<i>50-59</i>