SYLLABUS

1. Course title:

Methodology in psychological research

2. Code:

3. Cycle of study:

1

4. ECTS credits:

6

5. Type of course:

(●) Mandatory ( ) Elective

6. Prerequisites:

none

7. Class restrictions:

none

8. Duration / semester:

1 4

9. Weekly contact hours:

9.1. Lectures: 3

9.2. Seminars: 0

9.3. Laboratory/Practice classes: 2

10. Faculty:

Humanities and Social Sciences

11. Department/study program:

Pedagogy-Psychology/PSYCHOLOGY

12. Lecturer:

dr. sc. Alija Selimović, associate professor

13. Lecturer's e-mail:

alija.selimovic@unitz.ba

14. Web site:

www.ff.untz.ba

15. Course aims:

- The goal is to introduce students to the concepts and logic of scientific research. Introduce students to problems specific to the field of behavior research and measurement. The primary focus is on three outcomes:
1. Provide an introduction to the basic principles of scientific research
2. Demonstrate standard research methods and relate them to behavioral research
3. Prepare students to be "critical" users of psychological research

16. Learning outcomes:

After mastering the course content, students will be able to:
- objectively evaluate advantages and shortcomings of non-experimental methods in psychology
- design and construct research studies; conduct research in online environments
- apply non-intrusive (unobtrusive) research methods
- operationalize of psychological constructs
- conduct participant sampling
- use coding procedures
- assess the reliability of survey and observational studies
- interpret and analyze collected data

17. Course content:

- Stages and types of research. Constructs and operationalization.
- Variables and attribute sampling. Aims (goals) of research. Hypothesis testing. Data, measurement, and measurement scales,
- Validity of research, construct validity, internal and external validity,
- Participant sampling and sampling principles,
- Methods and techniques of data collection: surveys and questionnaires, tests, checklists,
- Unobtrusive observation, participant observation,
- Correlational research

18. Learning methods:

Lectures and practical classes with the use of various multimedia teaching aids, including active participation of students.
In lectures and practical classes will be used: the method of oral presentation, method of demonstration and illustration, seminar discussions, interactive teaching methods.

19. Assessment methods:

a) Written Exam
b) Oral Exam

The written exam includes written knowledge assessment (objective and essay tests). Assessment will be realized through questions and answers regarding the course content. It will be done after the realization of planned lectures. Minimum number of points for passing the written exam is 24 (more than 60%).
Oral exam is meant for students with minimum number of points in the written exam (24).
Written exam
Written exam follows after the end of the course. Students will be presented a combination of essay and objective questions. Students who pass the written exam (achieve 24 to 40 points), gain conditions to take the oral exam. Students can earn a maximum of 40 points in the written exam. Minimum number of points required to pass the exam is 24.

Oral exam
Oral exam will include questions and students' answers regarding the course content and it will last for 15 to 30 minutes. Maximum number of points that can be earned in the oral exam is 10. Minimum number of points required to pass the exam is 6.

Pre-exam points amount to a total of 50 points (20 points for attendance and active in-class participation, 20 point s for the individual project and 10 points for the group project). By fulfilling all of their requirements, students can thus earn a maximum of 100 points.
The points count towards the final grade cumulatively if students score at least 60% points on the final exam (written and oral exam).
In order for students to earn the minimum passing grade, they need to score at least 54 cumulative points, of which at least 24 on the final exam. The final grade is formed as a sum of all points earned in-class and the final exam.

Exchange of any belongings between students is not allowed during the written exam. Students caught cheating or talking to others will be removed from the exam.

20. Assessment components:

Attendance in lectures and practical classes: 5 points
Active participation in lectures and practical classes: 15 points
Individual project: 10 points
Group project: 20 points
Final written exam: 40 points
Final oral exam: 10 points
Total points: 100
The following is the grading scale, showing the points, numerical grade, descriptive grade and letter grade:
0-53 5 (five) fail F
54-63 6 (six) satisfactory E
64-73 7 (seven) good D
74-83 8 (eight very good C
84-93 9 (nine) excellent B
94-100 10 (ten) outstanding A

21. Required reading list:

- Coolican, H. (2018). Research Methods and Statistics in Psychology (7th ed.). Routledge.
- Pyrczak, F. & Bruce, R. R. (2014). Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioral Sciences (8th ed.). Routledge.
- Fajgelj, S. (2020). Metode istraživanja ponašanja (VII dopunjeno izdanje). Centar za primenjenu psihologiju.
- Weathington, B. L., Cunningham, C. J. L., & Pittenger, D. J. (2010). Research methods for the behavioral and social sciences. John Wiley & Sons Inc.
- Oppenheim, A.N. (1992). Questionnaire design, interviewing and attitude measurement. London: Pinter Publishers.
- Urban, J. B., & van Eeden-Moorefield, B. M. (2018). Designing and proposing your research project. American Psychological Association.
- American Psychological Association. (2019). Publication Manual of the American Psychological Association (7th Edition). American Psychological Association.

22. Web sources:

23. Applicable starting from the academic year:

2022/2023

24. Adopted in the Faculty/Academy session: