SYLLABUS

1. Course title:

METHODOLOGY OF TEACHING MATHEMATICS I

2. Code:

3. Cycle of study:

1

4. ECTS credits:

5

5. Type of course:

(●) Mandatory ( ) Elective

6. Prerequisites:

NO

7. Class restrictions:

NO

8. Duration / semester:

1 7

9. Weekly contact hours:

9.1. Lectures: 3

9.2. Seminars: 1

9.3. Laboratory/Practice classes: 1

10. Faculty:

Faculty of Humanities & Social Sciences

11. Department/study program:

TEACHER EDUCATION

12. Lecturer:

PROF.DR.SEAD REŠIĆ, EXTRAORDINARY PROF

13. Lecturer's e-mail:

Sresic@hotmail.com, sead.resic@untz.ba

14. Web site:

www.pmf.untz.ba

15. Course aims:

- To teach mathematical concepts and methods necessary in the further professional work of the student, to train the student in methodical and visual thinking, and to create preconditions for methodical creative problem solving.

16. Learning outcomes:

Evaluation and grading in the initial teaching of mathematics
- Extracurricular work in the initial teaching of mathematics (additional and supplementary teaching, mathematical section.
-Teaching technology in the initial teaching of mathematics
- Teaching aids. Teaching materials.

17. Course content:

-Abstraction and generalization in the initial teaching of mathematics.
-Forms of thinking in the initial teaching of mathematics.
-Mathematical concepts. Mathematical judgments.
-Mathematical reasoning.
-Principles, methods and forms of work in (modern) teaching of mathematics.
-Educational games in the initial teaching of mathematics.
-Organizations of initial mathematics classes.
-Methodical design of elementary mathematics classes
-Couring classes: processing, practice, repetition, checking.
-Methodological design of global (annual) work plans, monthly and weekly.

18. Learning methods:

- Lectures with the use of multimedia tools, active learning techniques and with active participation and discussion of students;
- Auditory exercises;
- Preparation and presentation of group and individual seminar papers

19. Assessment methods:

Knowledge testing methods:
To check the acquired knowledge will be used:
- written and oral method

20. Assessment components:

The final grade is formed in relation to the total number of points achieved during the semester, ie pre-examination obligations and the final exam itself.

POINTS FINAL SCORE

<53 five (5); does not satisfy; F
54-63 six (6); sufficient; E
64-73 seven (7); good; D
74-83 eight (8); very good; C
84-93 nine (9); outstanding; B
94-100 ten (10); excellent; A

21. Required reading list:

1. Sead Rešić, Mathematics I-Methodology of primary education, Tuzla, Papir Karton Tuzla, 2013.
2. Josip Markovac, Methodology of initial mathematics teaching, Zagreb, Škol. knjiga 1992
3. M. Polonijo: Um caruje, Školska knjiga, Zagreb, 1994 (5th edition)

22. Web sources:

4. Pavleković, M. (2009) Mathematics and gifted students - curriculum development in teacher education for the recognition, training and support of gifted students

23. Applicable starting from the academic year:

2022/23

24. Adopted in the Faculty/Academy session: