

Specification of courses for the book of courses

Study program	Preschool teacher		
Module	/		
Type and level of studies	Basic vocational studies - 1st level study program (professional bachelor de		
Name of the subject	Initial Mathematical Notions Teaching Methodology 2		
Teacher (for lectures)	Aleksandra Mandic, PhD		
Teacher/associate (for practical classes)	Aleksandra Mandic, PhD		
Teacher/associate (for other forms of teaching)			
Year of study when the component is delivered			3
Semester/trimester when the component is delivered			6
Number of ECTS	3	Status of the course (compulsory/optional)	compulsory
Condition	Passed exam from the course: Initial Mathematical Notions Teaching Methodology 1		
Goal of the course	Acquisition of professional and expanding general competencies of students for planning, implementation, evaluation, self-evaluation and documentation of mathematical activities, cooperation and team work, anticipation and examination of pedagogical effects of the application of modern didactic models of work and new information technologies in the formation of initial mathematical concepts.		
The outcome of the course	After the course, students should be trained to: 1. Organize space, time and equipment for the implementation of mathematical activities; 2. Manage the learning processes and the formation of mathematical concepts in the group; 3. Implement mathematical activities in preschool institutions; 4. Monitor and evaluate children's activities, 5. Document the achievement of children, 6. Assessment and self-evaluation of their work, 7. Examining and assessing the pedagogical effects of applying innovative work models and modern information technologies in children's mathematical activities.		
Course content			
Theory classes	Preparation of annual, monthly and daily plans of educators for the development of children's mathematical activities. Monitoring and conducting mathematical activities.		
Practical classes (other forms of teaching, research work during the studies)	Student Activities: Search for relevant printed and electronic sources of information for planning mathematical activities. Making written preparations for realization of mathematical activities in the electronic form. Team creation of didactic tools for the formation of initial mathematical concepts (illustrations and multimedia presentations). Implementation of mathematical activities in preschool institutions according to the agreed schedule. Analysis, evaluation and self-evaluation of students' mathematical activities using appropriate instruments. Presentation of student subject portfolio in a multimedia form.		
Bibliography			
1	Мандић, А. (2013): <i>Дидактика предшколске математике</i> , Висока школа струковних студија за		
2	Мандић, А., Стојановић, А.: (2012): <i>Практикум за студенте</i> , Висока школа струковних студија		
3	Марјановић, М. (2001): <i>Игре једначења</i> , ЗУНС, Београд.		
4	Група аутора : <i>Едусофт-образовни портал</i> : www.edu-soft.rs		
5	Студентски е-центар: www.studentskicentar.wix.com/aleksandra		
Number of active classes per week during a semester/trimester/ year			
Lectures	Practical classes	Research work during the course	Other classes
1	2		
Teaching methods	Method of conversation (heuristic), illustrative work, demonstrations, written and practical work.		
Mode of delivery		face-to-face	
Knowledge assessment (maximum number of points 100)			
Pre-exam obligations	Points	Final exam	Points
In class activity	10	Written exam	30
Practical classes	20	Oral exam	
Colloquium	20		
Seminar papers	20		
Language of instruction	Serbian/English		