

<b>Study Programme:</b> Elementary Teacher
<b>Course Unit Title:</b> Mathematics II
<b>Course Unit Code:</b> U-3-1-9-0
<b>Name of Lecturer(s):</b> Márta Takács, Diana Zita
<b>Type and Level of Studies:</b> Undergraduate Studies (BA)
<b>Course Status (compulsory/elective):</b> Compulsory
<b>Semester (winter/summer):</b> Winter
<b>Language of instruction:</b> Hungarian
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face learning
<b>Number of ECTS Allocated:</b> 4
<b>Prerequisites:</b> -
<b>Course Aims:</b> Systematizing the knowledge of elementary mathematics, combinatorial basis, elementary statistics, as well as of axiomatic systems and basic concepts of geometry.
<b>Learning Outcomes:</b> After successful completion of the course, it is expected that students acquire skills in functionally organized transfer of knowledge in mathematics.
<b>Syllabus:</b> <i>Theory</i> Basis of combinatorics. Tasks in elementary school, which are solved based on combinatorial basics. Elementary concepts of probability, cases of variable and characteristic distribution of the same. Basic statistical terms (population, average, histogram). Implementation. Measure units. <i>Practice</i> Presenting elementary school mathematic tasks in connection to the lectures.
<b>Required Reading:</b> <i>Compulsory:</i> Béres, Zoltán: (2007): Válogatott matematikafeladatok – a szabadkai Magyar Tannyelvű Tanítóképző Kar első évfolyama részére. Szabadka: MTTK. Csóka, Géza (2002): Elemi matematika példatár, Budapest: Nemzeti Tankönyvkiadó. Такач, Марта (2013): Припремљени е-материјал са тематиком предмета (120 страница), Учитељски факултет у Суботици. <i>Optional:</i> Matematika feladatgyűjtemény a tanítóképző matematika tanításához (2006): Budapest: Nemzeti Tankönyvkiadó.

Matematika a tanítóképző matematika tanításához (2006): Budapest: Nemzeti Tankönyvkiadó.

Учћумлић, М. – Миличић, П. (1983): Збирка задатака из више математике, Београд: Научна књига.

**Weekly Contact Hours:**  
**4 (60)**

**Lectures: 2 (30)**

**Practical work: 2 (30)**

**Teaching Methods:**

Lecture, practice, presentation, individual work, consultation.

**Knowledge Assessment (maximum of 100 points):**

<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	30
Practical work		oral exam	20
Preliminary exam(s)	40		
Seminar(s)			

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.