

Study Programme: Elementary Teacher
Course Unit Title: Games and Mathematics
Course Unit Code: U-4-2-4-1
Name of Lecturer(s): Valéria Pintér Krekity, Zita Diana
Type and Level of Studies: Undergraduate Studies (BA)
Course Status (compulsory/elective): Elective
Semester (winter/summer): Winter
Language of instruction: Hungarian
Mode of course unit delivery (face-to-face/distance learning): Face-to-face learning
Number of ECTS Allocated: 2
Prerequisites: Exam in Methodology of teaching Mathematics passed.
Course Aims: Getting to know the strategy of learning and teaching mathematics, based on games. Introduction to the model of games in mathematical professions, initially in teaching mathematics.
Learning Outcomes: Students trained to use mathematical concepts and develop mathematical thinking through games.
Syllabus: <i>Theory</i> Motivation of children. Playing as a method for teaching mathematics. Contents of mathematical sections in lower grades of elementary school. <i>Practice</i> Examples of mathematical games, preparation of classes.
Required Reading: <i>Compulsory:</i> Pintér, János – Pintér Krekity, Valéria (2008): Matematika és Játék, Forum Könyvkiadó Újvidék, Újvidéki Egyetem, Magyar Tannyelvű Tanítóképző Kar, Szabadka. <i>Optional:</i> Fischer, R. (2002): Tanítsuk gyermekeinket gondolkodni játékokkal, Műszaki Könyvkiadó, Budapest. Fábosné Zach, Enikő (1977): Te is szeretsz tanítani? Calibra Könyvek, Budapest. Szendrei, Júlianna (2005): Gondolod, hogy egyre megy? Typotex Kiadó, Budapest. Stöckert Károlyné (1997): Játékszichológia, Eötvös József Könyvkiadó, Budapest. Villányi Györgyné (1993): Játék a matematika?, Tárogató Kiadó, Budapest.

Weekly Contact Hours: 3(45)	Lectures: 2 (30)		Practical work: 1 (15)
Teaching Methods: Lecture, practice, presentation, seminar pape, discussion, group work- playing, consultation.			
Knowledge Assessment (maximum of 100 points): 100			
Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	
Practical work	10	oral exam	50
Preliminary exam(s)			
Seminar(s)	30		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			