

Study Programme: Elementary Teacher
Course Unit Title: Botanical practicum
Course Unit Code: U-4-2-2-1
Name of Lecturer(s): Géza Czékus, Rita Horák
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: -
Course Aims: Introduction into disciplines of biology which are necessary for a teacher in elementary school. Preparing biological experiments and dissections. Students should learn as much as possible about their closest environment in order to be able to educate their students in the spirit of environment protection and practicality.
Learning Outcomes: Being able to prepare and organize as well as arrange biological collections, experiments and dissections. Microscoping. Finding, collecting, systematization of plants in our surroundings. Herbarium and collections. Autonomous fieldwork and practical work, organizing activities in a „living corner”.
Syllabus: <i>Theory</i> Basic concepts of biology connected to the Biological practicum. <i>Practice</i> Microscopes. Microscoping. Morphology and systematization of plants. Views and perceptions related to the morphology and physiology of plants. Fieldwork – collecting plants for herbarium. Creation of herbarium and other types of collections. Arranging a „living corner”.
Required Reading: <i>Compulsory:</i> Czékus, G. (2008): Biológia gyakorlatok. Fórum Könyvkiadó. MTTK. Szabadka. Czékus, Géza (2011): Kísérletek, Szabadka: Újvidéki Egyetem Magyar Tannyelvű Tanítóképző Kar, Szabadka. <i>Optional:</i> Практикум за детерминацију виших биљака (2004): Олд Комерц, Нови Сад. Арсенијевић-Максимовић, И., Пајевић С (2002): Практикум из физиологије биљака. Нови Сад: Пољопривредни факултет. Czékus G., Zolnai A. (2004): Lakóhelyem, Szabadka. Водић за излете и радна свеска. Графопродукт, Суботица. Perendy M. (1996): Biológiai vizsgálatok. Nemzeti Tankönyvkiadó, Budapest. Simon T., Seregélyes T. (2002): Növényismeret. Nemzeti Tankönyvkiadó, Budapest. Интернет: Sulinet и други сајтови.

Стручни часописи: A biológia tanítása.			
Weekly Contact Hours: 2 (30)		Lectures: 1 (15)	Practical work: 1 (15)
Teaching Methods: Lecture, practice, presentation, discussion, presentation, individual work, consultation.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	practical exam	30
Practical work	25	oral exam	25
Fieldwork	15		
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.			