

Study Programme: Elementary Teacher
Course Unit Title: Biological collections
Course Unit Code: U-4-2-5-3
Name of Lecturer(s): Éva Borsos
Type and Level of Studies: Undergraduate Studies (BA)
Course Status (compulsory/elective): Elective
Semester (winter/summer): Summer
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: Pedagogical, psychological and professional significance of collections. Adequate and successful collection of materials, their elaboration and preservation. How to use them in elementary school or preschool education. Theoretical and practical knowledge about collections.
Learning Outcomes: While acquiring theoretical and practical skills in making and organizing (biological) collections, students (future teachers) will be able to make different collections together with children (seeds, leaves, fruits, feathers, eggshell, etc.) They will be able to organize and integrate collections as well as how to use them. They will be able to prepare multifunctional collections.
Syllabus: <i>Theory</i> Concept of biological collection and types of them. Analyzing subjects and activities related to biology in elementary and nursery school. Planning for collecting biological materials. <i>Practice</i> Collecting materials with children and on their own. Permanent and temporary collections. Processing collected material. Administration – evidencing, titles, inventing. When to use collections in teaching? Selective collection of biological materials, educating for environment protection. Discovering our natural surroundings, walks in nature.
Required Reading: <i>Compulsory:</i> Backer, Nick (2004): Új amatőr természetbúvár. Gabo Könyvkiadó.

Czékus, Géza (2011): Kísérletek. Módszertani kézikönyv. Újvidéki Egyetem Magyar Tannyelvű Tanítóképző Kar, Szabadka.

Optional:

Czékus Géza (2001): Kísérletezzünk! Módszertani segédkönyv. Logos, Tótfalu.

Diószegi Magdolna, Schmidt Gábor, Tóth Imre (1993): Dendrológia: díszfák és díszcserjék felismerése leveleik és hajtásaik alapján. Pro Natura Egyesület, Budapest.

Diószeginé Nanszék Tímea, Zsáki Edit (Eds.) (1997): Játékszettár növények, kavicsok felhasználása a gyermekmunkákban. Tóth Könyvkereskedés és Kiadó Kft, Debrecen.

H. Battha Livia, Horvatovich Sándor (1978): Növények és rovarok preparálása. Natura Kiadó, Budapest.

Simon Tibor, Csapody Vera (1982): Kis növényhatározó rendszertani és ökológiai tájékoztatóval. Tankönyvkiadó, Budapest.

Weekly Contact Hours: 2(30)	Lectures: 1 (15)	Practical work: 1 (15)
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Teaching Methods:

Lecture, discussion, presentation, individual work, consultation.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Active class participation	20	written exam	40
Practical work		oral exam	
Preliminary exam(s)			
Seminar paper	40		

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