



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Didaktika obšolskih dejavnosti
Course title:	Didactics of extracurricular activities

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Enovit magistrski študijski program Predmetni učitelj 2. stopnje Izobraževalna matematika – 2. stopnja enopredmetna	vse smeri /	5. 1 ali 2.	10. 2. ali 4.
Five-year master's degree program Subject Teacher Educational Mathematics – 2nd Cycle single major	all study fields /	5. 1. or 2.	10. 2. or 4.

Vrsta predmeta / Course type

Izbirni / Elective

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
15	30				45	3

Nosilec predmeta / Lecturer:

Andreja Špernjak

Jeziki /

Languages:

Predavanja /

Lectures:

Vaje / Tutorial:

slovenski / slovene

slovenski / slovene

**Pogoji za vključitev v delo oz. za opravljanje
študijskih obveznosti:**

Osnovna znanja iz didaktike, pedagogike in psihologije.

Prerequisites:

Basic skills in didactics, pedagogy and psychology.

Vsebina:

Content (Syllabus outline):

Predavanja:

- Pomen terenskega dela kot obšolske dejavnosti
- Prostovoljno terensko delo za učence v času počitnic
- Razvoj kompetenc učitelja na terenskem in prostovoljnem delu z učenci.

Seminar:

- Priprave na 10-dnevno prostovoljno delo na poletnem letovanju s šolskimi otroki.

Lectures:

- The importance of field work as an extracurricular activity
- Voluntary field work for students during the holidays
- Development of teacher competencies in field and voluntary work with students.

Seminars:

- Preparations for 10-day volunteer work on a summer vacation with schoolchildren.

Temeljni literatura in viri / Readings:

- Cornell, J. Doživljanje narave: dejavnosti za ozaveščanje o naravi za vse starosti. Celjska Mohorjeva družba, Celje in Ljubljana, 2019.

Dodatna literatura:

- Torkar, G., Bogner, F. X. 2019. Environmental values and environmental concern. *Environmental education research*, 25(10), str. 1570-1581
- Rich, S. *Outdoor science classroom: easy lessons & learning spaces*. Greensboro : Carson-Dellosa, 2005.
- Mencinger Vračko, B. *Priprava bodočih učiteljev biologije na terensko delo z učenci*, Prispevek na konferenci. Zbornik: Strokovni posvet Didaktika v šoli v naravi. str. 118 – 122. 2005.
- Cornell, J. *Približajmo naravo otrokom*. Mohorjeva družba, 1994.
- Revija: Naravoslovna solnica

Cilji in kompetence:

- Pridobiti pedagoške izkušnje v realni in strnjeni obliki.
- Suvereno in odgovorno voditi šolske skupine na terenu.
- Pripraviti izvedbe aktivnosti in delavnic za skupino šolskih otrok na terenu.
- Predvideti odgovornostjo vodenja terenskega dela s skupino učencev.
- Prezeti odgovornost 10-dnevnega samostojnega vodenja učencev.

Objectives and competences:

- Gain educational experience in a realistic and concise manner.
- Lead student groups confidently and responsibly in the field.
- Prepare workshops for a group of students in the field.
- Assume responsibility for conducting fieldwork with a student group.
- Assume responsibility for a 10-day independent student leadership.

Predvideni študijski rezultati:**Znanje in razumevanje:**

- Ponotranjiti pomen terenskega dela v šolstvu.

Intended learning outcomes:**Knowledge and understanding:**

- Internalize the importance of fieldwork in education.

• Samostojno voditi šolske skupine na terenu. • Samostojno izvesti aktivnosti in delavnice za skupino šolskih otrok na terenu. • Soočiti se z odgovornostjo vodenja terenskega dela s skupino učencev. • Pridobiti pedagoške ure za opravljanje strokovnega izpita.	• Independently lead school groups in the field. • Carry out an independent workshop for a group of schoolchildren in the field. • Face the responsibility of conducting fieldwork with a group of students. • Acquire pedagogical hours for taking the professional exam.
Prenesljive/ključne spretnosti in drugi atributi: • Organizacijske in vodstvene spretnosti pri delu s skupino • Spretnosti timskega sodelovanja in medosebne komunikacije • Odgovorno sprejemanje odločitev in reševanje problemov v nepredvidljivih situacijah • Načrtovanje, izvedba in evalvacija pedagoških dejavnosti na terenu • Razvijanje refleksivne prakse in samoevalvacije lastnega pedagoškega dela • Krepitev etične odgovornosti ter zagotavljanje varnosti in dobrobiti učencev • Prilagodljivost in samostojnost pri organizaciji terenskega in prostovoljnega dela	Transferable/Key Skills and other attributes: • Organizational and leadership skills in group work • Teamwork and interpersonal communication skills • Responsible decision-making and problem-solving in unpredictable situations • Planning, implementation and evaluation of educational activities in the field • Development of reflective practice and self-evaluation of one's own teaching • Strengthening ethical responsibility and ensuring students' safety and well-being • Adaptability and autonomy in organizing fieldwork and voluntary activities

Metode poučevanja in učenja:

• Problemski pouk • Aktivne oblike terenskega dela • Praktično terensko delo
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Learning and teaching methods:

• Problem based learning • Active forms of student work • Practical fieldwork

Delež (v %) /

Weight (in %)

Načini ocenjevanja:

• terensko delo	100	Assessment: • fieldwork
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Reference nosilca / Lecturer's references:

REPNIK, Robert, KLEMENČIČ, Eva, ŠPERNJAK, Andreja, SVETEC, Milan. Podjetnost v naravoslovju = Entrepreneurship in science. Vzgoja in izobraževanje : revija za teoretična in praktična vprašanja vzgojno izobraževalnega dela. 2021, letn. 52, št. 4/5, str. 45-50

ŠPERNJAK, Andreja, LUKEŽ, Brina, STANIČ, Katja. Outdoor natural science and biology education in lower secondary schools : teachers' practices and perceived obstacles. *Education sciences*. 2026, vol. 16, iss. 2, 232, DOI: 10.3390/educsci16020232.

STANIČ, Katja, ŠPERNJAK, Andreja. Augmented reality in biology education : a literature review. *Multimodal technologies and interaction*. 2025, vol. 9, iss. 22, 117, DOI: 10.3390/mti9120117,

ŠPERNJAK, Andreja, RUPAR, Nina. Fieldwork as a scientific workshop for schoolchildren during the summer vacations. V: GÓMEZ CHOVA, Louis (ur.). ICERI 2023 : 16th International Conference of Education, Research and Innovation : 13-15 November, 2023, [Seville, Spain]. Valencia: IATED Academy, 2023. Str. 3538-3545, ICERI proceedings <https://library.iated.org/view/SPERNJAK2023FIE>, DOI: 10.21125/iceri.2023.0913.

ŠPERNJAK, Andreja, RUPAR, Nina. Is digital technology necessary in practical field work in biology?. V: ABERŠEK, Boris (ur.), ČOTIČ, Mara (ur.). Challenges and transformation of education for 21st century schools. Newcastle-upon-Tyne (UK): Cambridge Scholars Publishing, 2024. Str. 147-172