

UČNI NAČRT PREDMETA/COURSE SYLLABUS

Predmet:	Uporaba geologije v arheologiji
Course title:	Application of Geology in Archaeology

Študijski programi in stopnja	Študijska smer	Letnik	Semestri
Geologija, druga stopnja, magistrski	Geokolje in geomateriali (modul)	1. letnik, 2. letnik	Zimski

Univerzitetna koda predmeta/University course code: 739

Predavanja	Seminar	Vaje	Klinične vaje	Druge oblike študija	Samostojno delo	ECTS
45	0	30	0	0	75	5

Nosilec predmeta/Lecturer: Nina Zupančič

Vrsta predmeta/Course type: Izbirni / Elective

Jeziki/Languages:	Predavanja/Lectures:	Angleščina, Slovenščina
	Vaje/Tutorial:	Angleščina, Slovenščina

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

Prerequisites:

Osnovno poznavanje geologije in/ali arheologije.	Basic knowledge of geology and archaeology.
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Vsebina:

Teoretična izhodišča
Sedimenti in tla: preperevanje, transport, postdepozicijske spremembe, arheološki sedimenti, klasifikacija sedimentov in tal;
Geomorfologija: geološke spremembe površja, geološko kartiranje, preperevanje, erozija, depozicija, pobočni procesi;
Sedimentne značilnosti geoloških okolij: rečna okolja, jezerska okolja, močvirna okolja, eolska okolja, glacigena okolja, jamska okolja, rekonstrukcija okolij;
Paleoekološka in paleoekološka rekonstrukcija arheoloških najdišč: fosili in sedimenti kot pokazatelji ekoloških in okoljskih sprememb;
Arheološki materiali: sestava arheoloških artefaktov, tehnologija izdelave in provenienca.

Content (Syllabus outline):

Theoretical background
Sediments and soils: weathering, transportation, postdepositional changes, archaeological sediments, classification of sediments and soils;
Geomorphology: geological terrain changes, geological mapping, weathering, erosion, deposition, slope processes;
Sedimentary characteristics of geological environments: fluvial environment, lake environments, swamp environment, eolian environmental, glacial environment, cave environment, reconstruction of environments;
Palaeoecological and paleoenvironmental reconstruction of archaeological sites: the fossils and sediments as indicators of ecological and environmental changes;
Archaeological materials: composition of archaeological artefacts, manufacturing technology and provenance.

Temeljna literatura in viri/Readings:

Izbrana poglavja iz/Selected chapters from:
GARRISON, E. G., 2003: Techniques in archaeological geology. Springer Verl., 304 pp.
NORMAN HERZ, N. & GARRISON, E. G., 1998: Geological methods for archaeology. Oxford Uni. Press, 343 pp.
RIPP, G., 1998: Geoarchaeology. The Earth-Science Approach to Archaeological Interpretation. Yale Uni. Press, 274 pp.
GOLDBERG, P., HOLLIDAY, V. T. & REID FERRING, C., 2001: Earth Science in Archaeology. Kluwer Acad. Publ., 513 pp.

Cilji in kompetence:

Objectives and competences:

<p>CILJI: Seznaniti slušatelje z osnovnimi znanji, tehnikami in metodami geoloških orodij za podrobnejše razumevanje in interpretacijo arheološkega zapisa tako arheoloških najdišč kot artefaktov.</p> <p>KOMPETENCE: Slušatelj bo sposoben razumeti geološki, ekološki in okoljski kontekst arheoloških najdišč, način izdelave in izvor materiala za arheološke artefakte.</p>	<p>OBJECTIVES: To acquaint students with basic skills, techniques and methods of geological tools for further understanding and interpretation of the archaeological records, both of archaeological sites and artifacts.</p> <p>COMPETENCES: The student will be able to understand the geological, ecological and environmental context of archaeological sites, methods of manufacturing and source of material for archaeological artifacts.</p>
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<p>Predvideni študijski rezultati:</p> <p>Slušatelji osvojijo osnovna znanja iz sedimentne geologije, geomorfologije, mineralogije, petrologije, geokemije, paleontologije in paleoekologije, potrebna za celostno obravnavo arheološke problematike. Razume pomen naravoslovnega pristopa pri reševanju arheoloških problemov.</p>	<p>Intended learning outcomes:</p> <p>Students will acquire basic knowledge of sedimentary geology, geomorphology, mineralogy, petrology, geochemistry, paleontology and paleoecology required for full consideration of archaeological problems. He understands the importance of natural science approach for solving archaeological problems.</p>
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<p>Metode poučevanja in učenja:</p> <p>Predavanja, vaje.</p>	<p>Learning and teaching methods:</p> <p>Lectures, exercises.</p>
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<p>Načini ocenjevanja:</p> <p>Pisni in/ali ustni izpit</p>	<p>Delež/Weight</p> <p>100,00 %</p>	<p>Assessment:</p> <p>Written and/or oral exam</p>
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<p>Reference nosilca/Lecturer's references:</p> <p>MILETIĆ, Snježana, KRAMAR, Sabina, LUX, Judita, ŠMUC, Andrej, ZUPANČIČ, Nina. Provenance analysis of Roman stone artefacts from sedimentary rocks from the archaeological site near Mošnje, NW Slovenia = Določanje izvora rimskih kamnitih artefaktov iz sedimentnih kamnin z arheološkega najdišča pri Mošnjah, SZ Slovenija. <i>Geologija</i>, ISSN 0016-7789. [Tiskana izd.], 2016, vol. 59, no. 1, str. 35-53, doi: 10.5474/geologija.2016.003.</p> <p>JARC, Simona, MANIATIS, Yannis, DOTSIKA, E., TAMBAKOPOULOS, D., ZUPANČIČ, Nina. Scientific characterization of the Pohorje marbles, Slovenia. <i>Archaeometry</i>, ISSN 0003-813X. [Tiskana izd.], 2010, vol. 52, issue 2, str. 177-190, doi: 10.1111/j.1475-4754.2009.00476.x.</p> <p>ZUPANČIČ, Nina, JARC, Simona, MILER, Miloš, MIHOVILIĆ, Kristina, HÄNSEL, Bernhard, TERŽAN, Biba. Porijeklo ranobrončanodobnih sjekira od zelenog kamena iz Monkodonje = provenance of the Early Bronze Age greenstone axes from Monkodonja. <i>Histria archaeologica</i>, ISSN 0350-6320, 2012, god. 43, str. 5-17.</p>
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