

## UČNI NAČRT PREDMETA/COURSE SYLLABUS

<b>Predmet:</b>	Historična geologija
<b>Course title:</b>	Historical Geology and Global Tectonics

Študijski programi in stopnja	Študijska smer	Letnik	Semestri
Geologija, druga stopnja, magistrski	Regionalna geologija in paleontologija (modul)	1. letnik	Letni

Univerzitetna koda predmeta/University course code: 743

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

**Nosilec predmeta/Lecturer:** Boštjan Rožič

**Vrsta predmeta/Course type:** Obvezni / Compulsory

<b>Jeziki/Languages:</b>	Predavanja/Lectures:	Angleščina, Slovenščina
	Vaje/Tutorial:	Angleščina, Slovenščina

<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>	<b>Prerequisites:</b>
Zaključena dodiplomska (prva) stopnja.	Finished BSc study.

Vsebina:	Content (Syllabus outline):
arhaiška skorja in zagon tektonike plošč kontinentalni rifting pasivni kontinentalni robovi in oceani otočni loki orogeni kontinentalnih robov kolizija na primeru Himalaje Alpidaska orogeneza Paleozojske orogeneze in Pangeja Proterozojski orogeni in superkontinenti	Arhaic crust and onset of plate tectonics Continental rifting Passive continental margins and oceans Island arc systems Continental margin orogens A collision in the case of the Himalayas Alpine orogeny Paleozoc orogenies and Pangea Proterozoic orogens and supercontinents

<b>Temeljna literatura in viri/Readings:</b> Izbrana poglavja iz / Selected chapters from: KEARNEY, P., KLEPEIS, K.A. & VINE, F.J. 2009: Global Tectonics. Wiley, 482 pp. WINDLEY, B. (1995): The Evolving Continents. Wiley, 526pp. LEVIN, H. (2006): The Earth Through Time. Wiley, 115pp. EINSELE G. 1991: Sedimentary Basins; Evolution, Facies and Sediment Budget. Springer. 628 pp.  Dodatna literatura je izbor relevantnih člankov iz znanstvene periodike, ki ga vzdržuje in dopolnjuje nosilec predmeta /Additional readings is the selection of relevant articles from the scientific journals, which is maintained and complemented by the lecturer
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<b>Cilji in kompetence:</b> CILJI: Celosten pregled geologije sveta in povezovanje predhodno pridobljeno znanje v celoto. KOMPETENCE: Študent je usposobljen gledati na lokalne	<b>Objectives and competences:</b> OBJECTIVES: Comprehensive overview of the geology of the planet Earth and the integration of previously acquired knowledge into a whole.
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<p>geološke problema s stališča velikih regionalnih geoloških procesov. Hkrati si pridobi osnovno znanje o zgradbi, geološki zgodovini in rudnih bogastvih posameznih kontinentov s tem, da je poseben poudarek geologiji Evrope. Na ta način se njegovo znanje in hkrati zaposljivost v osnovnih geoloških disciplinah razširi preko meja domovine.</p>	<p>COMPETENCES: The student is trained to look at the local geological problem in a view of the large regional geological processes. At the same time he/she acquires basic knowledge about the structure, geological history and mineral resources of individual continents with special emphasis on the geology of Europe. In this way, his knowledge and also the employability in the basic geological disciplines extends beyond the borders of their homeland.</p>
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<p><b>Predvideni študijski rezultati:</b></p> <p>Študent spozna osnovne značilnosti planeta in pri tem poveže vse do sedaj pridobljeno znanje v celoto. Poudarek predmeta je na razumevanju geodinamskih procesov, ki so danes prisotni na planetu. Razmere, ki danes vladajo na Zemlji pa so ključne za razumevanje planetove regionalne kot tudi globalne evolucije. V drugem sklopu predavanj študent pridobi znanje o starejših orogenezah, ključnih območjih, ki jih uporabljamo za njihovo razumevanje in pojavljanje njihovih ostankov po različnih predelih sveta. Osnovno poznavanje geologije sveta je še posebej pomembno v današnjem času globalno svobodnejšega pretoka znanja ter znanstvenikov.</p>	<p><b>Intended learning outcomes:</b></p> <p>The student learns the basic features of the planet and connects up to date knowledge into a whole. The focus of the course is to understand geodynamic processes, which are present on the planet. The situation that now govern the earth are the key to understanding the planet's regional as well as global evolution. In the second set of lectures, student acquires knowledge of older orogenies in the key-areas that are used for their understanding and the emergence of their residue from various parts of the world. Basic knowledge of the geology of the world is particularly important nowadays due to globally freer flow of knowledge and scientists.</p>
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<p><b>Metode poučevanja in učenja:</b></p> <p>Seminarsko delo v obliki branja in skupne diskusije člankov iz znanstvene periodike.</p>	<p><b>Learning and teaching methods:</b></p> <p>Seminar work in the form of reading and Joint discussion of articles from scientific journals.</p>
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<b>Načini ocenjevanja:</b>	<b>Delež/Weight</b>	<b>Assessment:</b>
Seminar	100,00 %	Seminar work
Ocenjevalna lestvica: (6-10) pozitivno, ob upoštevanju Statuta UL in fakultetnih pravil.		Grades: (6-10) positive assessment, according to University Statute and Faculty Acts.

<p><b>Reference nosilca/Lecturer's references:</b></p> <p>ROŽIČ, Boštjan Kolar-Jurkovšek, T., ŠMUC, Andrej 2009: Late Triassic sedimentary evolution of Slovenian Basin (eastern Southern Alps): description and correlation of the Slatnik Formation. - Facies, 55/1, 137-155.</p> <p>ROŽIČ, Boštjan 2008: Upper Triassic and Lower Jurassic limestones from Mt Kobra in the northern Tolmin Basin: tectonically repeated or continuous succession? - RMZ-mater. geoenviron., 55/3, 345-362.</p> <p>ŠMUC, Andrej, ROŽIČ, Boštjan 2009: Tectonic geomorphology of the Triglav Lakes Valley (easternmost Southern Alps, NW Slovenia). Geomorphology 103/4, str. 597-604.</p>
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