

UČNI NAČRT PREDMETA/COURSE SYLLABUS

Predmet:	Uvod v strokovno-raziskovalno delo
Course title:	Introduction Into Scientific and Research Work

Študijski programi in stopnja	Študijska smer	Letnik	Semestri
Geologija, prva stopnja, univerzitetni	Ni členitve (študijski program)	1. letnik	Letni

Univerzitetna koda predmeta/University course code:

Predavanja	Seminar	Vaje	Klinične vaje	Druge oblike študija	Samostojno delo	ECTS
30	0	15	0	0	45	3

Nosilec predmeta/Lecturer:

Vrsta predmeta/Course type:

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

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisites:
Vpis v 1. letnik študija.	Inscription into 1st year.

Vsebina:	Content (Syllabus outline):
Uvod v teorijo znanosti: pojem znanosti, znanost kot spoznavna dejavnost Znanstvene razlage: definicija, hipoteza, teorija, paradigma, falsifikabilnost Bibliografska pravila Iskanje literaturnih virov Pisanje strokovnih tekstov Vrste strokovnih in znanstvenih tekstov: članki, poročila, seminarji, diplome, projekti Vsebine znanstvenih in strokovnih tekstov Grafične priloge Citiranje literature Baze podatkov: COBISS, Web of Science, SICRIS, Ustne predstavitve: predavanja, seminarji, posterji	Introduction into theory of science: meaning of science; science as ontology category Scientific explanations: definition, hypothesis, theory, paradigm, falsifiability Bibliographic rules Literature resources Professional texts writing Scientific and professional works: scientific papers, reports, seminars, thesis, projects Content of scientific and professional works Graphical annexes Literature citing Data bases: COBISS, Web of Science, SICRIS, bibliography bases Talks: lectures, seminars, posters

Temeljna literatura in viri/Readings:
SILOBRČIČ, V.: Kako sestaviti i objaviti znanstveno djelo. Jugosl. medicin. naklada, 1989, 126 str., ISBN: 86-7111-031-1. KUHN, T.S.: Struktura znanstvenih revolucij. Temeljna dela, 211 str., 1998, ISBN: 961-6174-28-2. POPPER, K.R.: Logika znanstvenega odkritja. Studia humanitatis, 1998, 386 str., ISBN: 961-6262-02-5. DOLINAR, F. M: Uvod v znanstveno delo. Filozofska fakulteta, 2000, 76 str., ISBN: 961-227-082-1. HALL, G. M. (ed.): How to write a paper (3rd edition). BMJ Publishing Group, 2003, 176 str., ISBN 0-7279-1728-5. ECO, U. 2003: Kako napišemo diplomsko nalogo. Vale-Novak, 2003, 266 str., ISBN: 961-6221-53-1. DAY, R. A. in GASTEL, B.: How to write and publish a scientific paper (7th ed.). Greenwood, 2011, ISBN 978-0-313-39197-2.

Cilji in kompetence:

CILJI: Namen predmeta je slušatelje seznaniti z uvodom v teorijo in metodologijo znanosti, z načinom, vrstami in pravili strokovnega pisanja, seznaniti jih z različnimi oblikami strokovnih tekstov, prijavljanje na projekte ter iskanjem in uporabljanjem literaturnih virov po internetnih bazah podatkov.

KOMPETENCE: Vsako strokovno in znanstveno delo zahteva poročilo o rezultatih. Pridobljeno znanje o pisanju strokovnih tekstov in iskanju literaturnih virov bodo slušatelji izkoristili pri poročanju o rezultatih svojega dela pri drugih predmetih, za izdelavo seminarjev in diplomskega dela kakor tudi v kasnejši karieri.

Objectives and competences:

OBJECTIVES: Introduction to the theory and methodology of science. Introduction to scientific and professional communication, lecturing and writing as well as with various text forms. Basis for literature exploration on the internet and in the available data bases. Introduction to public call procedures for scientific projects.

COMPETENCES: Students will be able to write reports on the results of scientific and professional results. This knowledge will be later used for the preparation of seminars, theses as well as later in their professional work.

Predvideni študijski rezultati:

Predmet bo dal študentom bazična znanja strokovno-znanstvene metodologije. Skozi teoretično in praktično delo bodo slušatelji osvojili način, vrste in pravila strokovnega pisanja, seznanili se bodo z različnimi oblikami strokovnih tekstov in iskanjem ter uporabljanjem literaturnih virov po internetnih bazah podatkov. Slušatelji bodo na podlagi pridobljenega znanja sposobni poročati o rezultatih svojega dela, tako pri študiju, kot kasneje v poklicu. Slušatelj bo sposoben samostojno poiskati osnovne literaturne vire za svoje delo, samostojno predstaviti svoje delo in samostojno pisno poročati o rezultatih svojega dela. Pridobljena znanja bodo slušatelju omogočala pisati strokovne in raziskovalne tekste po pravilih, ki jih zahteva mednarodna periodika.

Intended learning outcomes:

Students will obtain basic skills of professional and scientific methodology. Through the theoretical and practical work students will learn different types of papers and texts in the profession and become familiar with the styles of writing of different types of professional texts as well as with exploration and searching of different data bases and literature sources. Students will be able to report on results of their work during further studies and later in their professional life. Students will be able to apply autonomy applied literature sources, presenting independently their work and report on results of their research. Knowledge obtained can be used also at other courses and on other fields where these skills are needed.

Metode poučevanja in učenja:

Predavanja, vaje in seminarji. Praktične vaje z iskanjem znanstvenih in strokovnih virov v mednarodnih računalniških bazah revij kot priprava na izdelavo seminarja.

Learning and teaching methods:

Lectures, exercises and seminars. Practical look up exercises in scientific and professional paper (computer) data bases as preparation for the seminar work.

Načini ocenjevanja:**Delež/Weight****Assessment:**

Načini ocenjevanja:	Delež/Weight	Assessment:
Pisni izpit	50,00 %	Written exam
Seminarska naloga	40,00 %	Seminar
Prisotnost na predavanjih in vajah	10,00 %	Presence during lectures and exercises

Reference nosilca/Lecturer's references:

GALE, Luka. Microfacies analysis of the Upper Triassic (Norian) "Bača Dolomite": early evolution of the western Slovenian Basin (eastern Southern Alps, western Slovenia). *Geol. Carpath. (Bratisl.)*, 2010, knj. 61, št. 4, str. 293-308.

GALE, Luka, RETTORI, Roberto, MARTINI, Rossana. Critical review of Pseudocurbitidae (Miliolina, Foraminifera) from the Late Triassic reef environments of the Tethyan area. *J. micropaleontol.*, 2012, knj. 31, št. 2, str. 179-186, doi: 10.1144/0262-821X12-004.

GALE, Luka, KOLAR-JURKOVŠEK, Tea, ŠMUC, Andrej, ROŽIČ, Boštjan. Integrated Rhaetian foraminiferal and conodont biostratigraphy from the Slovenian Basin, eastern Southern Alps. *Swiss journal of geosciences*, 2012, knj. 105, št. 3, str. 435-462, doi: 10.1007/s00015-012-0117-1.

GALE, Luka. Pregled pliokvartarnih teles med Grosupeljsko kotlino in Krškim : poročilo. Ljubljana: Geološki zavod Slovenije, 2008. 18 f.

ŽVAB ROŽIČ, Petra, DOLENEC, Tadej, LOJEN, Sonja, KNI EWALD, Goran, DOLENEC, Matej. Use of stable isotope composition variability of particulate organic matter to assess the anthropogenic organic matter in coastal environment (Istra Peninsula, Northern Adriatic). *Environmental earth sciences*, ISSN 1866-6280, 2015, vol. 73, no. 7,

str. 3109-3118, doi: 10.1007/s12665-014-3606-x.

ŽVAB ROŽIČ, Petra. Assessment of mariculture impact on the environment and human health. Saarbrücken: LAP LAMBERT Academic Publishing, 2015. 264 str., ilustr.

BANOVEC, Primož, BRENČIČ, Mihael, CERK, Matej, CILENŠEK, Ajda, ČENČUR CURK, Barbara, DOMADENIK, Polona, GARTNER, Mohor, GUDURAŠ, Dejan, HVALIČ, Matjaž, VIDMAR, Vesna, ŽVAB ROŽIČ, Petra. Povezovanje pri čezmejni oskrbi s pitno vodo v jadranski regiji : prispevek k izboljšani čezmejni dobavi pitne vode. Ljubljana: Fakulteta za gradbeništvo in geodezijo, 2016. 25 str., ilustr. ISBN 978-961-6884-38-9.