

Priloga 1 – Učni načrt

**UČNI NAČRT KREDITNO OVREDNOTENE OBŠTUDIJSKE DEJAVNOSTI / EXTRACURRICULAR COURSE
SYLLABUS WITH CREDITS**

Ime predmeta:	Informacijska pismenost
Course title:	Information literacy

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Obštudijska dejavnost			Poletni
Extracurricular activities			Spring

Vrsta predmeta (obvezni ali izbirni) / Course type (compulsory or elective)	Obštudijska dejavnost
	Extracurricular activity

Univerzitetna koda predmeta / University course code:	FNM016
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Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
30	15	15					30	3
		AV	LV	RV				

Nosilec predmeta / Course coordinator:	Igor Pesek
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Jeziki /Languages:	Predavanja / Lectures:	Slovenski / Slovene
	Vaje / Tutorial:	Slovenski / Slovene

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisites for enrolling in the course or for performing study obligations:
Pogojev ni.	None.

Vsebina (kratek pregled učnega načrta):	Content (syllabus outline):
<ul style="list-style-type: none"> - opredelitev informacijske pismenosti - informacijska družba - informacijski in bibliografski sistemi - knjižnica kot informacijsko središče <ul style="list-style-type: none"> * digitalne knjižnice * terminološka priprava (ključne besede, predmetne oznake, UDK, tezavri) - informacijski viri <ul style="list-style-type: none"> * oblike in vrste informacijskih virov * iskanje po elektronskih virih, iskalne strategije * iskanje po internetu * podatkovne zbirke * specializirane podatkovne zbirke 	<ul style="list-style-type: none"> -information literacy definition -information society -information and bibliographic systems -library as information centre <ul style="list-style-type: none"> * digital libraries *terminology (keywords, subject headings, UDC, thesaurus) -information sources <ul style="list-style-type: none"> *forms and kinds of information sources *searching in information sources, search strategies *internet searching *databases *specialised databases

<ul style="list-style-type: none"> * odprta znanost * faktor vpliva, alternativna metrika <p>- vrednotenje informacij in informacijskih virov</p> <p>- citiranje in upravljanje referenc</p> <ul style="list-style-type: none"> * različni načini citiranja * orodja za upravljanje referenc <p>- znanstveno pisanje</p> <ul style="list-style-type: none"> * sistematični pregled literature in z dokazi podprte znanosti * zgradba strokovnega/znanstvenega dela <p>- etična in pravična uporaba informacij</p> <ul style="list-style-type: none"> * plagiatstvo * intelektualna lastnina (patenti, avtorske pravice...) * licence 	<ul style="list-style-type: none"> * open science * impact factor, altmetrics <p>-evaluating information and information sources</p> <p>-citing and reference management</p> <ul style="list-style-type: none"> * different citation styles * reference management tools <p>-scientific writing</p> <ul style="list-style-type: none"> * systematic literature review and evidence based science * outline of a professional/scientific work <p>-ethical and fair information use</p> <ul style="list-style-type: none"> * plagiarism * intellectual property (patent, copyright...) * licences
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Temeljni literatura in viri / Reading materials:

- Bothma T., Cosijn E., Fourie I., Penzhorn C., (2011). *Navigating Information Literacy*. Pearson Education.
- Lanning S. (2012). *Concise Guide to Information Literacy*, Libraries Unlimited.
- Levitin D. J. (2016). *A Field Guide to Lies: Critical Thinking in the Information Age*, Dutton.
- Bailey, S., (2014). *Academic writing: a handbook for international students*, Routledge, London.
- Bottomley, J., (2015). *Academic writing for international students of science*, Routledge, Abingdon.
- Richter, U. A. in Fügert, N. (2016). *Wissenschaftlich arbeiten und schreiben : wissenschaftliche Standards und Arbeitstechniken, wissenschaftlich formulieren, Textsorten*. Ernst Klett Sprachen, Stuttgart.
- Raziskovalni vodiči UKM za posamezna področja <http://libguides.ukm.um.si/?b=g&d=a>

Cilji in kompetence:

Cilji predmeta so

- seznaniti se s teoretičnimi izhodišči informacijske pismenosti,
- raziskati obvladovanje informacijske pismenosti pri študiju,
- seznaniti študente s knjižnično zbirko ter z načini iskanja gradiva, ki se nahajajo tako v klasični kot tudi elektronski obliki,
- študenti bodo znali uporabljati iskalnike in različne iskalne strategije,
- pridobiti kritičnost pri izbiri virov,
- razlikovati med ključnimi besedami in predmetnimi oznakami ter spoznati klasifikacijske sisteme,
- seznaniti se z in uporabljati različne podatkovne zbirke,

Objectives and competences:

The objectives of this course are

- to inform students about the theoretical basis of information literacy,
- to explore information literacy proficiency in the study process,
- to inform students about library collections and ways of searching materials in print and electronic version,
- students will be able to use browsers and different search strategies,
- to become critical about source choice,
- to know the difference between keywords and subject headings and to get familiar with classification systems,
- to recognise and use different databases,

- razumeti in prepoznati metode sistematičnega pregleda literature ter na dokazih temelječih znanosti in jih praktično uporabiti,
- seznaniti študente s faktorji vpliva pri objavljanju člankov v visokošolskem okolju,
- študente usposobiti za zakonito rabo intelektualne lastnine s poudarkom na etični rabi gradiva in pasteh plagiatorstva,
- seznaniti študente z zgradbo in obliko pisnih del ter tipologijo objavljenih del,
- spoznati in uporabljati različne načine citiranja, uporabljati različna orodja za učinkovito citiranje in upravljanje z referencami,
- spoznati koncept odprte znanosti ter alternativne metrike.

- to understand and recognise the methods of the systematic literature review and evidence based science and to use them in practice,
- to get familiar with impact factors in the academic article publishing,
- students will be aware of legal use of intellectual property with the emphasis on ethical use of the materials and plagiarism,
- to learn about the structure and form of written works and typology of published works,
- to learn about and use different citation styles,
- to use different citation tools for efficient citing and reference management,
- to get familiar with the concept of open science and altmetrics.

Predvideni študijski rezultati:

Znanje in razumevanje:

Po zaključku izbirnega predmeta naj bi študent/-ka bil/-a sposoben/-na: • prepoznati in definirati svojo informacijsko potrebo • uporabiti ter izvesti ustrezne iskalne strategije za doseganje ustreznih virov in literature • uporabljati IKT v smislu specializiranih podatkovnih zbirk, elektronskih virov • med različnimi podatkovnimi zbirkami izbrati in vrednotiti prave za svoje strokovno področje • med rezultati iskanja prepoznati, analizirati in kritično ovrednotiti ustrezne in uporabne vire in literaturo in jih med seboj primerjati • uporabiti orodja za citiranje • pripraviti terminološke sezname • samostojno izvesti sistematični pregled literature z metaanalizo • v izogib plagiatorstvu vrednotiti in etično uporabiti ter pravilno citirati vire in literaturo • poznati in uporabljati pravice in dolžnosti intelektualne lastnine • spoznati in razumeti termine kot so odprta znanost, faktor vpliva, alternativna metrika • pridobljeno znanje uporabiti v pisnih izdelkih

Prenesljive/ključne spretnosti in drugi atributi:

- uporaba znanj in konceptov informacijske pismenosti na drugih področjih študija in življenja

Intended learning outcomes:

Knowledge and understanding:

On completion of this extracurricular activity the student should be able to:

- identify the information need • use and perform suitable search strategies for getting relevant sources and literature • use information communication technology in the sense of searching in databases and electronic resources • among many databases choose and evaluate the most relevant databases for specific scientific field • recognise, analyse and critically evaluate relevant and useful sources and materials and compare them • use citation tools • prepare terminological lists • perform systematic literature review with meta-analysis • avoid plagiarism by evaluating and ethically using as well as citing the used references correctly • understand and use the intellectual property rights and obligations • know and understand terms like open science, impact factor, altmetrics • use the gained knowledge in written papers

Transferable/key competences and other attributes

- use of knowledge and concepts of information literacy in other fields of study and life

Metode poučevanja in učenja:

- Predavanje, razgovor in diskusija, demonstracija, metoda pisnih in grafičnih del, uporaba IKT, reševanje problemskih nalog in preiskovanje,
 - Seminar
 - vaje

Learning and teaching methods:

-lecture, interview and discussion, demonstration, method of written and graphic works, use of ICT, problem solving tasks and examination,
 -seminar
 -practical work

Načini ocenjevanja:

Pisni izpit
 Portfolio s pisnimi izdelki

 Vsaka izmed naštetih obveznosti mora biti opravljena s pozitivno oceno.

Delež (v %) /

Share (in %)

Assessment methods:

Written exam
 Portfolio of written papers

 Each part must be evaluated with a positive grade.

Reference nosilca / Course coordinator's references:

- ŠORGO, Andrej, DOJER, Brina, GOLOB, Nika, REPNIK, Robert, REPOLUSK, Samo, PESEK, Igor, PLOJ VIRTič, Mateja, ŠPERNJAK, Andreja, ŠPUR, Natalija. Opinions about STEM content and classroom experiences as predictors of upper secondary school students' career aspirations to become researchers or teachers. *Journal of research in science teaching*, ISSN 0022-4308, 2018, str. 1-21, ilustr., doi: doi.org/10.1002/tea.21462. [COBISS.SI-ID [23839240](#)]
- DOLENC, Kosta, PESEK, Igor, ABERŠEK, Boris. Modular and branched structure of individualized intelligent e-learning materials for science and technology subject course. V: LAMANAUSKAS, Vincentas (ur.). *Science, technology, society and education issues - 2013*, (Problems of education in the 21st century, ISSN 1822-7864, vol. 57). Siauliai: Scientific Methodological Center Scientia Educologica. 2013, str. 16-24. [COBISS.SI-ID [20324104](#)]
- WEIGEND, Michael, PLUHÁR, Zsuzsa, JUŠKEVIČIENE, Anita, VANÍČEK, Jiří, ITO, Kazunari, PESEK, Igor. Constructionism in the classroom : creative learning activities on computational thinking. V: DAGIENE, Valentina (ur.). *Constructionism 2018 : constructionism, computational thinking and educational innovation : conference proceedings*, Constructionism 2018 Conference, August 20-25, Vilnius, Lithuania. [S. l.: s. n.]. 2018, str. 884-900. [COBISS.SI-ID [24352776](#)]
- KRAŠNA, Marjan, PESEK, Igor. Do student teachers learn enough about the ICT in their education?. V: *TEL Quality Matters - people, policies and practices*, 19th Irish Learning Technology Association Conference, EdTech 2018, 31st May - 1st June, Carlow, Ireland. [S.l.: s. n.]. 2018, [COBISS.SI-ID [24343816](#)]
 PESEK, Igor, ZMAZEK, Blaž, MOHORČIČ, Gregor. Od e-gradiv do i-učbenikov = From e-materials to i-textbooks. V: PESEK, Igor (ur.), et al. *Slovenski i-učbeniki*. Ljubljana: Zavod Republike Slovenije za šolstvo. 2014, str. 9-16.[COBISS.SI-ID [21019656](#)]
- ŠVERC, Alenka, PESEK, Igor, FLOGIE, Andrej. The challenges of complete informatization of education. V: LAMANAUSKAS, Vincentas (ur.). *Philosophy of mind and cognitive modelling in education - 2014*, (Problems of education in the 21st century, ISSN 1822-7864, vol. 61). Siauliai: Scientific Methodological Center Scientia Educologica. 2014, str. 121-131, ilustr. [COBISS.SI-ID [21570824](#)]