

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet: PISANJE ZNANSTVENIH IN STROKOVNIH BESEDIL
Course Title: ACADEMIC WRITING

Študijski program in stopnja Study Programme and Level	Študijska smer Study Field	Letnik Academic Year	Semester Semester
DR Kemijske znanosti, 3. stopnja	/	1.	2.
Doctoral programme in Chemical Sciences, 3 rd Cycle	/	1 st	2 nd

Vrsta predmeta / Course Type: obvezni/mandatory

Univerzitetna koda predmeta / University Course Code: KZ327

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Work	Druge oblike študija	Samost. delo Individual Work	ECTS
30		LV / SV		90	30	5

Nosilec predmeta / Lecturer: prof. dr. Barbara Hribar Lee/dr. Barbara Hribar Lee, Full Professor

Jeziki / Languages: **Predavanja / Lectures:** slovenski / Slovenian
Vaje / Tutorial: slovenski / Slovenian

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

Študent oz. kandidat mora imeti predmet opredeljen kot študijsko obveznost.

Prerequisites:

The course has to be assigned to the student.

Vsebina:

Značilnosti znanstvenih in strokovnih besedil (preciznost, preglednost, konsistentnost, koherentnost, primernost, verodostojnost). Določitev namena pisanja. Kako definirati problem, o katerem pišemo. Prilagoditi pisanje ciljnemu bralcu. Struktura znanstvenih in tehničnih besedil. Različni tipi besedil (poročila, znanstveni članki, pregledni članki, predlogi projektov, presentacije, poljudni članki, disertacija, življenjepis, ...). Kako napisati predlog projekta. Ustno podajanje. Elementi tehničnih besedil.

Content (Syllabus outline):

Characteristics of effective academic writing (accuracy, clarity, conciseness, coherence, appropriateness). Stating the document purpose. Defining the problem of our written account. Adjusting the style to different audience types. Organization of the document. Document types (research reports, scientific papers, review papers, project proposals, oral presentations, thesis, CV, ...). How to write a scientific project. Oral presentations. Elements of technical documents.

Temeljna literatura in viri / Readings:

Anne M. Coghill, Lorrin R. Garson: The ACS Style Guide, Effective Communication of Scientific Information; 2006 American Chemical Society

Dodatna literatura:

NATURE: Peer Review Debate: <https://www.nature.com/nature/peerreview/debate/index.html>

Wiley Webinar: Effectively Promoting Your Research; <https://hub.wiley.com/external-link.jspa?url=http%3A%2F%2Fwww.workcast.com%2F%3Fcpak%3D1936558320328918%26pak%3D7460936814055160>

Cilji in kompetence:

Predmet uvaja študente v pisanje znanstvenih in strokovnih besedil, s katerimi se srečujejo pri svojem študiju in raziskovalnem delu. Študent se seznanja z različnimi načini komuniciranja v znanosti ter razvija znanja potrebna za uspešno izražanje in posredovanje svojih idej.

Objectives and Competences:

The course represents an introduction to scientific writing related to the student's field of study and research. Student gets familiar with different kinds of scientific communications and develops skills needed for successful articulation of ideas and their dissemination.

Predvideni študijski rezultati:

Znanje in razumevanje

Pridobivanje sposobnosti uspešnega posredovanja idej in znanja.

Uporaba

V znanosti in pri vsakdanjem delu je pomembno uspešno posredovanje zamisli.

Refleksija

Znanja, ki jih študent osvoji pri tem predmetu, mu pomagajo pri pisanju člankov, poročil in predlogov projektov.

Prenosljive spretnosti

Ta znanja nam lahko koristijo pri delu in tudi v vsakodnevnem življenju.

Intended Learning Outcomes:

Knowledge and Comprehension

Learning how to successfully communicate ideas and knowledge.

Application

In science as in the everyday life it is important to successfully transmit our ideas.

Analysis

The knowledge acquired during the course helps students in writing papers, reports, and project proposals.

Skill-transference Ability

This kind of knowledge is useful in work as also in everyday life.

Metode poučevanja in učenja:

Študent znanje posredovano pri predavanjih uporabi pri konkretnem problemu ter pripravi ustrezno besedilo.

Learning and Teaching Methods:

The student learns basic principles of scientific writing and applies this knowledge to a concrete problem.

Načini ocenjevanja:

Za uspešno opravljen izpit se zahteva uspešna pisna in ustna predstavitev določene teme.

Delež (v %) /

Weight (in %) **Assessment:**

50/50

Successful written and oral presentations of the selected topic are required to complete the course.

Reference nosilca / Lecturer's references:

1. BRINI, Emiliano, FENNELL, Christopher J., FERNANDEZ-SERRA, Marivi, HRIBAR-LEE, Barbara, LUKŠIČ, Miha, DILL, Ken A. How water's properties are encoded in its molecular structure and energies. *Chemical reviews.*, 2017, vol. 117, iss. 19, str. 12385-12414.
2. KASTELIC, Miha, KALYUZHNYI, Yuriy V., HRIBAR-LEE, Barbara, DILL, Ken A., VLACHY, Vojko. Protein aggregation in salt solutions. *Proceedings of the National Academy of Sciences of the United States of America.* 2015, vol. 112, no. 21, str. 6766-6770.
3. SERUČNIK, Mojca, PODLIPNIK, Črtomir, HRIBAR-LEE, Barbara. DNA-polyelectrolyte complexation study : the effect of polyion charge density and chemical nature of the counterions. *The journal of physical chemistry.B, Condensed matter, materials, surfaces, interfaces & biophysical.* 2018, vol. 122, iss. 21, str. 5381-5388.