

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	MAGISTRSKO DELO
Course Title:	MASTER'S THESIS

Študijski program in stopnja Study Programme and Level	Študijska smer Study Field	Letnik Academic Year	Semester Semester
MAG Kemija, 2. stopnja	/	2.	3. in 4.
USP Chemistry, 2 nd Cycle	/	2 nd	3 rd and 4 th

Vrsta predmeta / Course Type: obvezni / Mandatory

Univerzitetna koda predmeta / University Course Code: KE223

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Work	Druge oblike študija	Samost. delo Individual Work	ECTS
/	/	/	/	750	750	50

Nosilec predmeta / Lecturer: /

Jeziki / Languages: Predavanja / Lectures: /
Vaje / Tutorial: /

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: Magistrsko delo se opravlja na področju kemije. Vsebina in naslov se določata v soglasju z izbranim mentorjem – nosilcem ene izmed vsebin v programu.

Content (Syllabus outline): Master's thesis is performed in one of the areas of chemistry. Contents and Master's thesis title are agreed upon with the mentor.

Temeljna literatura in viri / Readings: Knjige in članki, ki so povezani z vsebino magistrskega dela.
Books and journal articles related to the research topic.

Cilji in kompetence: *Cilj:* Dokončno oblikovanje pričakovanega lika magistranta. Študent bo ob izdelavi magistrske naloge pokazal sposobnosti iskanja in zaznavanja kemijskih problemov in znal poiskati rešitev za tak problem.

Objectives and Competences: Final formation of the competences of a master's degree candidate; Through carrying out research for the master's thesis students should be able to demonstrate the skills for autonomous identification of a problem and

Kompetence: Pri delu bo pokazal, da je pridobil večino kompetenc navedenih v programu študija.

finding solutions, thus proving that specific competences from other courses have been acquired.

Predvideni študijski rezultati:

Znanje in razumevanje

Pri izdelavi magistrskega dela bo slušatelj pridobil:

- sposobnosti formuliranja problema,
- sposobnosti samostojnega iskanja ustrezne literature,
- sposobnosti obravnavanja problema v praksi,
- sposobnosti iskanja kvantitativnih rešitev in utemeljevanja ustreznosti rešitev,

sposobnosti predstavitve rezultatov svojega dela.

Uporaba

Znanje in pridobljene veščine bo magistrant lahko uporabil pri opravljanju poklica.

Refleksija

Povezovanje vseh pridobljenih teoretičnih znanj z reševanjem problemov na področju kemije ter kritični pogled na uporabnost teh znanj.

Prenosljive spretnosti

Pri delu bo magistrant pridobil znanja o metodah reševanja kompleksnih problemov, o načinu prezentacije teh znanj v pisani in govornjeni obliki, povezani z ostalimi metodami posredovanja raziskav, ugotovitev itd.

Intended Learning Outcomes:

Knowledge and Comprehension

Ability to formulate the problem and research literature independently; Ability of independent problem managing in practice; Ability of independent quantitative problem solving and argumentation of the solution; Ability of presenting results of research work.

Application

Acquired skills are necessary for professional work.

Analysis

Integration of knowledge from different topics from chemistry and supporting sciences; Development of a critical view on the knowledge applicability.

Skill-transference Ability

Ability of solving complex problems using different methods; Ability of presenting research results in a written and oral form.

Metode poučevanja in učenja:

Individualno delo mentorja in samostojno študijsko in raziskovalno delo.

Learning and Teaching Methods:

Independent research work supervised by the mentor.

Načini ocenjevanja:

Delež (v %) /

Weight (in %) **Assessment:**

<p>Ocenjuje se magistrsko delo (50 %) in zagovor magistrskega dela (50 %). Komisijo sestavljajo predsednik, mentor in član. Lestvica ocen vsakega dela je od 5 do 10.</p> <p>Ocena 5 je negativna, ocene 6 do 10 pa pozitivne in sicer: 6--zadostno, 7--dobro, 8 in 9--prav dobro, 10--odlično</p>		<p>Master's thesis and its presentation are graded separately by a three-member commission (chairman, mentor, additional member) against the grading scale from 5- 10 (grades from 6 – 10 are positive and 5 negative (6-pass, 7-fair, 8 and 9-very good, 10-excellent).</p>
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Reference nosilca / Lecturer's references:

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