

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 Kemijsko inženirstvo, 2. stopnja	/	2.	3. in 4.
USP Chemical Engineering, 2 nd Cycle	/	2 nd	3 rd and 4 th

Vrsta predmeta / Course Type: obvezni / Mandatory

Univerzitetna koda predmeta / University Course Code: IN223

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Work	Druge oblike študija	Samost. delo Individual Work	ECTS
/	/	/	/	450	/	30

Nosilec predmeta / Lecturer: /

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.
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Vsebina: Magistrsko delo se opravlja iz področja kemijskega inženirstva. 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 chemical engineering. Contents and Master's thesis title are agreed upon with the mentor.
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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: Dokončno oblikovanje pričakovanega lika magistranta. Študent bodo ob izdelavi magistrske naloge pokazal sposobnosti iskanja in zaznavanja problemov kemijskega inženirstva in znal poiskati rešitev za tak	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
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problem. Pri delu bodo 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 ustreznih 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 kemijskega inženirstva 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 govorni 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 is necessary for professional work.

Analysis

Integration of knowledge from different topics from chemical engineering 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:

Ocenjuje se magistrsko delo (50 %) in zagovor magistrskega dela (50 %) Komisijo sestavljajo predsednik, mentor in član. Lestvica ocen vsakega dela je od 1 do 10. Ocene 1 do 5 so negativne, ocene 6 do 10 pa pozitivne in sicer: 6-zadostno, 7-

Delež (v %) /

Weight (in %) **Assessment:**

Master's thesis and its presentation are graded separately by a three-member commission (chairman, mentor, additional member) against the grading scale from 1- 10 (grades from 6 – 10 are positive and 1 -5 negative (6-pass, 7-fair, 8 and 9-very good, 10-excellent).

-dobro, 8 in 9-prav dobro, 10-odlično.		
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Reference nosilca / Lecturer's references:

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