

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	DIPLOMSKO DELO
Course Title:	DIPLOMA WORK

Študijski program in stopnja Study Programme and Level	Študijska smer Study Field	Letnik Academic Year	Semester Semester
UŠP Kemija, 1. stopnja	/	3.	6.
USP Chemistry, 1 st Cycle	/	3 rd	6 th

Vrsta predmeta / Course Type:

obvezni / Mandatory

Univerzitetna koda predmeta / University Course Code:

D1KE

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Work	Druge oblike študija	Samost. delo Individual Work	ECTS
/	/	/	/	225	225	15

Nosilec predmeta / Lecturer:

/

Jeziki / Languages:

Predavanja / Lectures: /

Vaje / Tutorial: /

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

Odobrena tema diplomskega dela.

Prerequisites:

Approved topic.

Vsebina:

Diplomsko delo se opravlja na področju kemije. Vsebina in naslov se določita v soglasju z izbranim mentorjem. Mentor je lahko učitelj na UL FKKT [t.j. zaposleni na fakulteti na učiteljskem delovnem mestu ali zaposleni na fakulteti na delovnem mestu asistenta, ki ima učiteljski naziv (docent, izredni ali redni profesor) ali nosilec predmeta na študijskem programu 1. ali 2. stopnje UL FKKT, ki ni zaposlen na fakulteti]. Mentor je praviloma učitelj na programu, ki ga je študent vpisal.

Content (Syllabus outline):

Diploma's thesis is performed in one of the areas of chemistry. The contents and the title are agreed upon with the mentor. Mentor is a teacher at UL, FKKT or employed at assistant position with habilitation of Assistant Professor, Associate Professor or Full Professor. Mentor is also a teacher who lectures at 1st or 2nd cycle of studies at UL, FKKT. Mentor should teach at the programme where student is involved.

Temeljna literatura in viri / Readings:

Knjige in članki, povezani z vsebino diplomskega dela.

Books and journal articles related to the research topic.

Cilji in kompetence:

Cilj: Dokončno oblikovanje pričakovanega lika diplomanta.

Kompetence: Študent ob izdelavi diplomske naloge izpopolni sposobnosti iskanja in zaznavanja kemijskih problemov ter iskanja rešitev za te probleme. Pri delu bo uporabil večino kompetenc navedenih v programu študija.

Objectives and Competences:

Final formation of the competences of a diploma's degree candidate. Through carrying out research for the diploma's thesis student should be able to demonstrate the skills for autonomous identification of a problem related to chemical engineering and finding solutions, thus proving that specific competences from the programme have been acquired.

Predvideni študijski rezultati:Znanje in razumevanje

Pri izdelavi diplomskega dela bo slušatelj pridobil:

- sposobnosti formuliranja problema,
- sposobnosti samostojnega iskanja ustreznih literature,
- sposobnosti načrtovanja eksperimentalnih in teoretskih poti do rešitve problema,
- sposobnosti kritičnega vrednotenja pridobljenih podatkov in utemeljevanja ustreznosti rešitev,
- sposobnosti predstavitve rezultatov svojega dela.

Uporaba

Znanje in pridobljene veščine bo diplomant 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 diplomant pridobil znanja o metodah reševanja problemov ter o načinu predstavitve znanj in rezultatov v pisni in govorni obliki.

Intended Learning Outcomes:Knowledge and Comprehension

Through carrying out research for the diploma's thesis student will develop skills for formulating the problem and he will be able for independent literature review. He will develop ability to solve actual problems and he will be able to confirm his decisions and solutions. He will develop skills for presentation of his work.

Application

Student with diploma will be able to use acquired knowledge in his professional carrier as chemist.

Analysis

Connection of all acquired theoretical knowledge to solve problems in the chemistry. Critical distance to acquired knowledge.

Skill-transference Ability

Research for the diploma's thesis will help the student to gain knowledge on problem solving methodologies, how to present acquired knowledge as well as results in written in oral form.

Metode poučevanja in učenja:

Samostojno študijsko in raziskovalno delo pod individualnim mentorskim vodstvom.

Learning and Teaching Methods:

Individual work with mentor and independent self-study and research work.

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Komisija v sestavi: predsednik, mentor, član oceni diplomsko delo in zagovor diplomskega dela. Ocene so v skladu s Statutom UL (1-5 negativno, 6-10 pozitivno)		The committee members evaluate the work and the defense. (1-5 negative, 6-10 positive)

Reference nosilca / Lecturer's references:

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UL EFYKT