

## UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Predmet:</b>	DIPLOMSKO DELO
<b>Course Title:</b>	DIPLOMA THESIS

Študijski program in stopnja Study Programme and Level	Študijska smer Study Field	Letnik Academic Year	Semester Semester
UŠP Biokemija, 1. stopnja	/	3.	6.
USP Biochemistry, 1 <sup>st</sup> Cycle	/	3 <sup>rd</sup>	6 <sup>th</sup>

**Vrsta predmeta / Course Type:**

obvezni / Mandatory

**Univerzitetna koda predmeta / University Course Code:**

D1BI

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

**Nosilec predmeta / Lecturer:**

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**Jeziki / Languages:**

**Predavanja / Lectures:** slovenski / Slovenian

**Vaje / Tutorial:** slovenski / Slovenian

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

Odobrena tema diplomskega dela.

**Prerequisites:**

Approved topic.

**Vsebina:**

Diplomsko delo se opravlja iz področja biokemije. Vsebina in naslov se določata 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):**

The diploma thesis is performed in the field of biochemistry. The topic and title of the thesis are chosen in agreement with the chosen mentor. The mentor is an UL FCCT teacher (i.e. employee at the faculty occupying a teaching position or occupying a teaching assistant position and holding a teaching degree [assistant professor, associate professor, full professor] or any lecturer who lectures a course as part of a 1st or 2nd cycle study programme of the UL FCCT and is not an employee of the faculty). As a rule, the mentor is a teacher in the programme of the student's enrolment.

**Temeljna literatura in viri / Readings:**

Knjige in članki, ki so povezani z vsebino diplomskega dela.  
Books and paper, associated with the topic of the thesis.

**Cilji in kompetence:**

Dokončno oblikovanje pričakovanega lika diplomanta. Študent bodo ob izdelavi diplomske naloge pokazal sposobnosti iskanja in zaznavanja problemov in znal poiskati rešitev za tak problem. Pri delu bodo pokazal, da je pridobil večino kompetenc navedenih v programu študija.

**Objectives and Competences:**

Final shaping of the expected characteristics of the diploma student. Students will demonstrate the skills to search for and detect problems as well as found the solutions for the problems. They will demonstrate the majority of the competences described in the study programme.

**Predvideni študijski rezultati:**Znanje in razumevanje

Pri izdelavi diplomskega dela bo slušatelj pridobil naslednje kompetence:

- sposobnost samostojne izvedbe biokemijskih analiz na osnovi ustnih ali pisnih navodil;
- razumevanje meja zanesljivosti svojih eksperimentalnih podatkov;
- sposobnost izvedbe manjšega projekta, za katerega ni nujno, da njegov rezultat zadošča kriterijem za objavo;
- sposobnost v posredovanja informacij, idej, problemov in rešitev dobro informirani publiki;
- sposobnost prilagajanja novim situacijam in sprejemanja odločitev;
- sposobnost načrtovanja in upravljanja s časom;

razvita profesionalna etična in okoljska odgovornost.

Uporaba

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

Refleksija

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

Prenosljive spretnosti

Pri delu bo diplomant pridobil znanja o metodah reševanja 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

During the preparation of the diploma thesis, the student will gain the following competences:

- The ability to independently perform biochemical analyses based on written and oral instructions,
- Understanding the margins of confidence of experimental data,
- Ability to perform a minor project, which does not necessarily produce publishable results,
- Ability to transmit information, ideas, problems and solutions to a well-informed audience
- Ability to adapt to novel situations and make decisions,
- Ability to plan and manage time.
- Developed professional ethical and environmental responsibility.

Application

Students will use the acquired knowledge and skills in their profession.

Analysis

Integrations of theoretical knowledge with biochemical problem solving and a critical perspective on the usefulness of this knowledge.

Skill-transference Ability

Students will acquire knowledge on the methods of problem solving, presentation of knowledge in written and oral form in connection with other methods, etc.

**Metode poučevanja in učenja:**

študijsko in raziskovalno delo pod vodstvom mentorja, po možnosti tudi delo v laboratoriju.

**Learning and Teaching Methods:**

Study and research work under the supervision of the mentor, if possible also laboratory work.

Delež (v %) /

**Načini ocenjevanja:**Weight (in %) **Assessment:**

Ocenjuje se diplomsko delo in zagovor diplomskega dela pred komisijo, ki jo sestavljajo predsednik, mentor in en 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-dobro, 8 in 9-prav dobro, 10-odlično.

Evaluation includes the thesis and the oral presentation in front of a commission, consisting of the chair, the mentor and one member.

**Reference nosilca / Lecturer's references:**

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