

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

Predmet:	Izdelava in zagovor dr. disertacije
Course title:	Elaboration and Defense of the PhD Thesis

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biomedicinska tehnologija/ Biomedical Technology 3. stopnja/3rd Degree		3.; 3 rd	6.; 6 th

Vrsta predmeta / Course type Obvezni/Obligatory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
				60	840	30

Nosilec predmeta / Lecturer: Mentor/Mentor

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

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

Opravljene vse obveznosti 1 in 2 letnika ter Individualno raziskovalno delo 5

Completed requirements from study years 1 and 2, and Individual Research Work 5

Vsebina:

Študent napiše in odda doktorsko disertacijo. Postopek prijave teme poteka skladno z veljavnimi pravilniki o doktorskem študiju na UM. Poleg predpisanih informacij na začetku in koncu dela mora disertacija vsebovati naslednje vsebinske točke:

- Uvod
- Teoretične osnove
- Metodologija dela
- Rezultati
- Razprava
- Zaključek
- Literatura
- Prispevek k znanosti (članek)

Content (Syllabus outline):

The student completes and submits the PhD thesis. The procedure for the thesis approval application is in accordance with the University of Maribor's regulations. In addition to the required sections at the beginning and conclusion of the thesis, it should also include the following content:

- Introduction
- Theoretical background
- Results
- Discussion
- Conclusion
- Literature
- Contribution to science (the article)

Temeljni literatura in viri / Readings:

Znanstveni članki, spletne informacije, patenti, knjige s področja biomedicine, biomedicinske tehnologije, etike in sorodnih, interdisciplinarnih področij./ Scientific articles, internet information, patents, books on biomedicine, biomedical technology, ethics and related interdisciplinary fields.

Cilji in kompetence:

Doktorska disertacija je pisni dokument, s katerim študent dokaže sposobnost uporabe teoretičnih in raziskovalnih znanj ter pridobljenih izkušenj pri reševanju znanstvenoraziskovalnih vprašanj v okviru pripravljene teme doktorske disertacije.

Je izvirno delo, ki predstavlja prispevek k znanosti, s katerim študent dokaže poznavanje znanstvenega področja disertacije.

Objectives and competences:

PhD thesis is a written document that proves the student's ability to use theoretical and research knowledge with acquired experience to solve scientific research problems covered in the submitted thesis.

It is an original work that represent a contribution to science, and a proof of the students knowledge of the scientific field of the thesis.

Predvideni študijski rezultati:

Znanje in razumevanje:

Po zaključku študija bo študent:

- pridobil kompetence, ki mu bodo omogočile reševanje najzahtevnejših znanstvenih problemov/vprašanj,
- obvladal bo ožje področje s področja doktorske disertacije.

Prenesljive/ključne spretnosti in drugi atributi:

Obvladanje reševanja znanstvenih problemov in sposobnost predstavitve znanstvenoraziskovalnega dela mednarodni znanstveni javnosti.

Intended learning outcomes:

Knowledge and understanding:

At completion of their studies, the students will:

- have acquired competences to solve the most challenging scientific problems/questions,
- have mastered the specific field of the PhD thesis.

Transferable/Key Skills and other attributes:

Solving scientific problems and the ability to present scientific research work to the international scientific community.

Metode poučevanja in učenja:

Samostojno delo,
konzultacije z mentorjem, ki preverja:
- kandidatove raziskovalne dosežke,
- izvirnost rezultatov,
- nadzira izdelavo disertacije.

Learning and teaching methods:

Individual work, consultations with the mentor, who supervises:
- student's research achievements,
- originality of the results,
- the progress of the thesis.

Delež (v %) /

Weight (in %) /

Assessment:

Načini ocenjevanja:

Izdelava in zagovor doktorska disertacije
(z opravi/ni opravi)

100 %

Elaboration and defense of the PhD thesis
(graded with pass/fail)

Reference nosilca / Lecturer's references:

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