

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet: Doktorska disertacija
Course title: Doctoral Dissertation

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Tehnika – področje izobraževanja, 3. stopnja		4	8
Education in Engineering, 3 rd cycle		4	8

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
	30				870	30

Nosilec predmeta / Lecturer:

Vsi habilitirani nosilci predmetov v programu / All Lecturers

**Jeziki /
Languages:**

**Predavanja /
Lectures:** slovenski/slovene
Vaje / Tutorial: slovenski/slovene

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

Končano individualno raziskovalno delo IV

Prerequisites:

Finished Individual Research Work IV

Vsebina:

Content (Syllabus outline):

1. Ovitek
2. Notranja naslovna stran
3. Izjava kandidata o avtorstvu doktorske disertacije
4. Zahvala
5. Izvleček doktorske disertacije v slovenskem in angleškem jeziku in ključne besede
6. Pregled vsebine - kazalo
7. Pregled slik - kazalo
8. Pregled tabel - kazalo
9. Pregled prilog - kazalo
10. Uvod
11. Material in metode
12. Rezultati
13. Diskusija
14. Povzetek
15. Literatura in viri
16. Priloge (po potrebi)
17. Pojmovnik (po potrebi)
18. Kratice in akronimi (po potrebi)
Pred zagovorom doktorske disertacije študent pripravi in objavi (oziroma pridobi potrdilo o sprejetju v tisk) v reviji, indeksirani v SCI, v celoti ali delno znanstvena spoznanja iz svoje doktorske disertacije, pri čemer mora biti prvi ali vodilni avtor.

1. Cover
2. Inside title page
3. Statement of the candidate about his authorship of the PhD degree's work
4. Acknowledgement
5. Abstract of the PhD degree's work in Slovene and English and key words
6. Review of the subject – index
7. Review of figures – index
8. Review of the tables – index
9. Review of the supplements – index
10. Introduction
11. Material and methods
12. Results
13. Discussion
14. Summary
15. Literature and sources
16. Supplements (if needed)
17. Glossary (if needed)
18. Abbreviations and acronyms (if needed)
Before the defense of the doctoral dissertation, the student prepares and publish (or provide the confirmation about the acceptance) in a journal, indexed in the SCI Basis, the total or a part of his/her scientific findings from his/her doctoral dissertation,

Temeljni literatura in viri / Readings:

Aberšek, B., Borstner, B., Bregant, J. Virtual teacher : cognitive approach to e-learning material. Newcastle upon tyne: cambridge scholars publishing, 2014
Aberšek, B., Tehnologija sporazumevanja, Fakulteta za strojništvo, Maribor, 2005
Katz, M. J., 2007: From research to manuscript. A guide to scientific writing. Springer
Meloy, J. M.: Writing the qualitative dissertation : understanding by doing, Mahwah (New Jersey), London : L. Erlbaum, Associates, cop. 2002.

Cilji in kompetence:

Doktorska disertacija je pisni dokument, s katerim študent dokaže vrhunsko sposobnost uporabe teoretičnih znanj in v praksi pridobljenih izkušenj za rešitev problema, ki si ga je izbral s prijavo teme doktorskega dela. V doktorski disertaciji študent pokaže sposobnost izbire in uporabe metod dela v ekologiji in uporabe domače ter tuje strokovne literature in dodatnih virov za potrebe rešitve izbranega problema.
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Objectives and competences:

The doctoral thesis (Ph.D. degree's work) is a written document by means of which the student proves his top-level ability to use the theoretical knowledge and in his experiences achieved in practical work resolving a problem chosen by applying for a theme of his Ph.D. degree's work. In his doctoral thesis the student presents the ability to choose and use appropriate methods in ecology and literature and additional sources in order to solve the chosen problem.

Predvideni študijski rezultati:

Intended learning outcomes:

Znanje in razumevanje:

Globlje poznavanje širšega znanstvenega področja in vrhunsko razumevanje ožjih vsebin s področja doktorske disertacije. Poudarek je na aplikaciji pridobljenih vrhunskih teoretičnih in praktičnih znanj ter obvladovanju najrazličnejših metodologij znanstvenega dela. Študent je sposoben razvoja novih znanj iz specifičnega znanstvenega področja.

Prenesljive/ključne spretnosti in drugi atributi:

Obvladanje dokumentiranja in prezentacije znanstvenih izsledkov, obvladanje reševanja znanstvenih problemov, suverenost v predstavitvah ključnih spoznanj in spretnost argumentiranja.

Knowledge and Understanding:

In-deep knowledge of broader scientific area and top-level understanding of special topics from the field of doctoral thesis. The emphasis is given to the application of the toplevel theoretical and practical knowledge obtained as well as to the complete acquaintance with different methodologies of scientific work. Student is capable to develop new knowledge of specific scientific area.

Transferable/Key Skills and other attributes:

Proficiency in documenting and presenting the scientific results, proficiency in solving scientific problems, sovereignty in presentations and discussions about the results of research.

Metode poučevanja in učenja:

Mentor

- Na konzultacijah preverja vsebinski in strukturni vidik disertacije;
- Usmerja kandidata pri predstavitvi disertacije in na verjetna okvirna vprašanja pri zagovoru.

Learning and teaching methods:

The supervisor:

- Checks and verifies the thematic and structural aspect of the dissertation in consultations;
- Directs the student in preparation of an appropriate presentation of his dissertation and to the most probable questions with respect to the commission of defense.

Delež (v %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

- Zaključno delo
- Zagovor zaključnega dela

75%

25%

- Final work
- Defence of the final work

Reference nosilca / Lecturer's references:

Habilitirani nosilci predmetov v programu / Teachers listed in the program