UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Izdelava in zagovor doktorske disertacije
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	Letni
Education in Engineering		3	Summer

Vrsta predmeta / Course type   obvezni

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
				20	880	30

Nosilec predmeta / Lecturer: Vsi habilitirani nosilci predmetov v programu / All Lecturers

Jeziki / **Languages:**	**Predavanja /** **Lectures:**	/
	Vaje / Tutorial:	/

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisits:**
Končano individualno raziskovalno delo IV	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) Befor 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, where he/she must be the first or the leading author.

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 writting. Springer

Meloy, J. M.: Writing the qualitative dissertation : understanding by doing, Mahwah (New Jersey), London : L. Erlbaum, Associates, cop. 2002.

Cilji in kompetence:	Objectives and competences:
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.	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: Znanje širšega strokovnega področja, v katerega spada tema doktorske disertacije in ožje znanje ter vrhunsko razumevanje strokovnih pojmov in kreiranje novih pojmov za celovit prikaz doktorskega dela. Poudarek je na vrhunskih	*Knowledge and Understanding:* Knowledge of the broader professional field to which belongs the Ph.D. degree's work, and special knowledge of the glossary concerned by the degree's work theme as well as the creation of new conceptions. The emphasis is on the top-level

teoretičnih in praktičnih znanjih ter vrhunski aplikaciji in priredbah metodologij zajemanja, obdelovanja in prikazovanja podatkov.	theoretical and practical skills in using and adjustment of methods of collecting, processing and presenting data.
Prenesljive/ključne spretnosti in drugi atributi: Vrhunsko strokovno zapisovanje in izražanje vsebine, obvladanje reševanja znanstvenih problemov, suverena predstavitev ključnih spoznanj in spretnost argumentiranja	*Transferable/Key Skills and other attributes*: Documenting and expressing the subject in a professional way, mastering the solving of the scientific problems, independent presentation of the key conclusions and ability in arguing

Metode poučevanja in učenja: / Learning and teaching methods:

Metode poučevanja in učenja:	**Learning and teaching methods:**
Mentor • Na konzultacijah preverja vsebinski in strukturni vidik disertacije; • Usmerja kandidata pri predstavitvi disertacije in na verjetna okvirna vprašanja pri zagovoru.	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 qustions with respect to the commision of defense.

Načini ocenjevanja:

Načini ocenjevanja:	Delež (v %) / Weight (in %)	**Assessment:**
• Doktorska disertacija • Zagovor	75 % 25 %	• Doctoral (PhD) Thesis • Presentation

Reference nosilca / Lecturer's references: