



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Izdelava in zagovor doktorske disertacije
Course title:	Preparation and defense of the PhD thesis

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Matematika, 3. stopnja		3.	6.
Mathematics, 3 rd Degree		3 rd	6 th

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
				25 (konzultacije)	875	30

Nosilec predmeta / Lecturer:

Jeziki / Languages:	Predavanja / Lectures:	Slovenski jezik; Slovene
	Vaje / Tutorial:	Slovenski jezik; Slovene

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

Uspešno opravljene obveznosti v programu. Prijava doktorske disertacije, opravljena v skladu s pravilnikom visokošolskega zavoda.

Prerequisites:

Students have to fulfill all requirements from the program and declare their doctoral dissertation according to the faculty prescribed regulations.

Vsebina:

Content (Syllabus outline):

1. Ovitek
2. Notranja naslovna stran
3. Izjava kandidata o avtorstvu doktorskega dela
4. Zahvala
5. Povzetek doktorskega dela v slovenskem in tujem (angleškem, francoskem ali nemškem) jeziku, MSC klasifikacija in ključne besede
6. Pregled vsebine - kazalo
7. Pregled slik - kazalo
8. Pregled tabel - kazalo
9. Pregled prilog (če obstajajo) - kazalo
10. Uvod
11. Teoretične osnove dela
12. Praktični (problemski) del doktorskega dela
13. Prispevek doktorskega dela k stroki
14. Zaključek
15. Literatura in viri navedeni v standardni obliki
16. Priloge (če obstajajo)
17. Stvarno kazalo
18. Življenjepis avtorja z osnovnimi podatke o njegovem šolanju in zaposlitvah (15 do 20 vrstic, zapisanih v 3. osebi ednine).

1. Cover
2. Inside title page
3. Statement of the candidate about his authorship of the PhD degree's thesis
4. Acknowledgement
5. Summary of the PhD degree work in Slovene and in a foreign (English, French or German) language, MSC classification and key words
6. Review of the contents – contents index
7. review of the figures – index
8. Review of the tables – index
9. Review of the supplements (if any) – index
10. Introduction
11. Theoretical foundations of the work
12. Practical part of the work – related problems
13. Contribution of the PhD work to the related field
14. Conclusion
15. References and sources cited in a standard form
16. Supplements (if any)
17. Subject index
18. Biography of the author with the main information about his studies and employment (15-20 rows).

Temeljni literatura in viri / Readings:

- Tekoča znanstvena in strokovna periodika s področja, na katerem študent izbere temo svoje doktorske disertacije.
- Current scientific and professional periodics in the area of candidate's PhD thesis.

Cilji in kompetence:

Doktorsko delo je pisni dokument, s katerim študent dokaže sposobnost uporabe teoretičnih in raziskovalnih znanj ter v praksi pridobljenih izkušenj za rešitev problema, ki si ga je izbral s prijavo teme diplomskega dela. Iz doktorskega dela mora biti razvidna študentova sposobnost izbire in uporabe domače ter tuje strokovne literature in dodatnih virov za potrebe rešitve izbranega problema.

Objectives and competences:

The PhD thesis is a written document by which the student proves his ability to use the theoretical knowledge and experiences achieved in his practical work for resolving a problem, chosen as a theme of his PhD degree work. With his degree's work the student must present his ability to choose and use the national and international professional texts and additional sources in order to solve the chosen problem.

Predvideni študijski rezultati:

Znanje in razumevanje:

- poznavanje širšega strokovnega področja, na katero sodi kandidatova doktorska disertacija
- formiranje specifičnega znanje ter razumevanje pojmovnika predvidenega doktorskega dela
- aktivno obvladanje metodoloških pristopov za zajemanje, obdelovanje in prikazovanje podatkov

Intended learning outcomes:

Knowledge and understanding:

- knowledge of the broader professional field to which belongs the PhD dissertation
- the formation of a special knowledge and understanding of the glossary concerned by the PhD degree work
- an active use of the methodologies for collecting, processing and presenting data of the scientific analysis

Prenesljive/ključne spretnosti in drugi atributi:

- strokovno zapisovanje in izražanje matematičnih vsebin
- obvladanje reševanja strokovnih problemov, suverena predstavitev ključnih spoznanj in spretnost argumentiranja

Transferable/Key Skills and other attributes:

- expressing mathematical contents in oral and written form
- ability to solve specific mathematical problems and to independently present the key conclusions, based on convincing arguments

Metode poučevanja in učenja:

- mentor na konsultacijah preverja vsebinski in strukturni vidik naloge
- mentor pripravi kandidata na predstavitev doktorskega dela in na verjetna okvirna vprašanja pri zagovoru

Learning and teaching methods:

- the content and the structural aspect of the work is monitored by the tutor during the consultations
- mentor prepares the candidate to clearly present his/her dissertation thesis and to be able to answer the most obvious questions during the defence of the candidates PhD dissertation.

Delež (v %) /

Načini ocenjevanja:

Weight (in %) **Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt)	Delež (v %) / Weight (in %)	Assessment: Type (examination, oral, coursework, project):
• doktorska disertacija	80 %	• PhD thesis
• njena predstavitev	20 %	• the presentation of the work.

Reference nosilca / Lecturer's references:

Habilitirani nosilci predmetov v programu / Teachers listed in the program

Opomba: Navedene sestavine so obvezna sestavina učnega načrta predmetov kot jo določajo Merila za akreditacijo visokošolskih zavodov in študijskih programov v 7. členu (Ur. l. RS, št. 101/2004).

Note: The above-mentioned components are compulsory elements of a teaching module plan as stipulated by Article 7 (OJ of RS, No. 101/2004) of the Criteria on Accreditation of Higher Education Institutions and Study Programmes.