



**UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION**

<b>Predmet:</b>	Izdelava in zagovor doktorske disertacije
<b>Subject Title:</b>	Preparation and defense of the PhD thesis

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Matematika		3	6
Mathematics		3	6

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Konzultacije Tutorial	Lab. vaje Labor work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
		25			875	30

Nosilec predmeta / Lecturer:

<b>Jeziki / Languages:</b>	<b>Predavanja / Lecture:</b>	Slovenski jezik; Slovene
	<b>Vaje / Tutorial:</b>	Slovenski jezik; Slovene

**Pogoji za opravljanje študijskih obveznosti:**

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

**Vsebina:**

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

**Prerequisites:**

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

**Content (Syllabus outline):**

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

**Temeljna literatura in viri / Textbooks:**

- 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:

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:

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 znanja ter razumevanje pojmovnika predvidenega doktorskega dela
- aktivno obvladanje metodoloških pristopov za zajemanje, obdelovanje in prikazovanje podatkov

#### Prenesljive/ključne spretnosti in drugi atributi:

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

### 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

#### 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

### Teaching and learning 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 candidate's PhD dissertation.

### Načini ocenjevanja:

Način (pisni izpit, ustno izpraševanje, naloge, projekt):

- doktorska disertacija
- njena predstavitev

Delež (v %) /  
Weight (in %)

80 %  
20 %

### Assessment methods:

Type (examination, oral, coursework, project):

- PhD thesis
- the presentation of the work.

**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.