



Univerza v Mariboru

Fakulteta za naravoslovje  
in matematiko

#### UČNI NAČRT PREDMETA / COURSE SYLLABUS

|                      |                   |
|----------------------|-------------------|
| <b>Predmet:</b>      | Magistrska naloga |
| <b>Course title:</b> | Master Thesis     |

| Študijski program in stopnja<br>Study programme and level | Študijska smer<br>Study field | Letnik<br>Academic year | Semester<br>Semester |
|-----------------------------------------------------------|-------------------------------|-------------------------|----------------------|
| Fizika 2. st.<br>Physics 2 <sup>nd</sup> degree           |                               | 2                       | 4                    |

**Vrsta predmeta / Course type** obvezni/compulsory

**Univerzitetna koda predmeta / University course code:**

| Predavanja<br>Lectures | Seminar<br>Seminar | Sem. vaje<br>Tutorial | Lab. vaje<br>Laboratory work | Teren. vaje<br>Field work | Samost. delo<br>Individ. work | ECTS |
|------------------------|--------------------|-----------------------|------------------------------|---------------------------|-------------------------------|------|
| 0                      | 0                  | 0                     | 0                            | 0                         | 600                           | 20   |

**Nosilec predmeta / Lecturer:** Izbrani mentor / Master Thesis supervisor

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

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

Vsaka obveznost študenta v načinih ocenjevanja mora biti opravljena s pozitivno oceno. V celoti dokončano zaključno delo je pogoj za pristop k zagovoru zaključnega dela.  
~~Ni pogojev.~~

**Prerequisites:**

Each student requirement within the assessment methods must be completed with a passing grade. A fully completed final work is a prerequisite for taking the final work defence.  
~~No prerequisites~~

**Vsebina:**

Prijava teme magistrske naloge, priprava in zagovor naloge, kot je predvideno v Statutu UM in pripadajočih pravilnikih.

**Content (Syllabus outline):**

The official procedure of the preparation and public defence of the Master Thesis accordingly to the official procedure of the University of Maribor.

**Temeljni literatura in viri / Readings:**

Relevantna literatura s področja magistrske naloge. / Relevant literature from the topic of the Master Thesis.

**Cilji:**

**Objectives:**

|                                                       |                                                                                                   |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Cilji so definirani v prijavi teme magistrske naloge. | The objectives are defined in the application for the approval of the topic of the Master Thesis. |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------|

#### Predvideni študijski rezultati:

##### Znanje in razumevanje:

Znanje in razumevanje znanstvenega področja teme magistrske naloge ter metodološkega pristopa k raziskovalnemu problemu.

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

Sposobnost zaznati problem, načrtovati preučevanje problema, uporabiti ustrezno teoretično in eksperimentalno tehniko, ovrednotiti in prikazati rezultate.

#### Intended learning outcomes:

##### Knowledge and Understanding:

Knowledge and understanding of the Master Thesis field and the methodological approach to the scientific work.

##### Transferable/Key Skills and other attributes:

The ability to detect a problem, plan how to study the problem, use an appropriate theoretical and experimental technique, evaluate the results and present them.

#### Metode poučevanja in učenja:

Vodeno individualno raziskovalno delo

#### Learning and teaching methods:

Guided individual research work.

| Načini ocenjevanja:                                                                                                                                    | Delež (v %) /<br>Weight (in %) | Assessment:                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Način (pisni izpit, ustno izpraševanje, naloge, projekt)<br>Uspešnosti, samostojnost in inovativnost pri raziskovalnem delu v okviru magistrske naloge | 60                             | Type (examination, oral, coursework, project)<br>Successfulness, independence and the innovativity at the research work presented in the Master Thesis |
| Strokovnost pisanja magistrske nalogeZaključno delo                                                                                                    | 20                             | Scientific writing in the Master ThesisFinal work                                                                                                      |
| Predstavitve in zagovor magistrske nalogeZagovor zaključnega dela                                                                                      | 20                             | Presentation and defence of the Master ThesisDefence of the final work                                                                                 |

Oblikovano: slovenščina

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#### Reference nosilca / Lecturer's references:

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