### NAME SURNAME

Title of the thesis:

Supervisor:

Second supervisor:

SSD:

#### RESEARCH ACTIVITY

**STATE OF THE ART AND MOTIVATION**

Write a concise description outlining the cutting-edge nature of your research project and elucidate the motivations behind it, justifying particularly all aspects related to nanotechnology. Please do not exceed one page.

**OBJECTIVES FOR THE THREE YEARS**

Write a description of the objectives for the three years. Few lines and a bulleted list is enough.

**OBJECTIVES FOR THE FIRST YEAR**

Write a description of the objectives for the first year. Few lines and a bulleted list is enough.

**RESEARCH PROJECT**

Write a description of your research program divided into activities and tasks, and describe the tools to be used. Include also a Gantt diagram of the project.

#### TRAINING ACTIVITY

Write a proposal of your training activity **- including only 1) DISCIPLINARY COURSES,** **2) SOFT SKILLS AND GENERAL COMPETENCIES COURSES, 3) MASTER’S DEGREE COURSES (if any)**.

Please note that these courses alone do not meet the total requirement of 20 ECTS. Refer to the [STUDENT GUIDE](https://web.units.it/dottorato/nanotecnologie/en/node/1894) for details on additional activities you are expected to undertake (which do not need to be included here at the moment).

1. **DISCIPLINARY COURSES**

Disciplinary courses are linked to specific fields and disciplines pertinent to your doctoral research plan. Disciplinary courses include all courses provided annually by the PhD program in Nanotechnology (UniTS) ([link](https://web.units.it/dottorato/nanotecnologie/en/node/1829)). Additionally, doctoral courses of the PhD program in Physics and Chemistry at UniTS, as well other doctoral courses offered by different universities or research institutes can be included. Successful completion of an exam is mandatory.

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| **Activity** | **Hours/Credits** | **Requirements** |
| DISCIPLINARY COURSES | 1 ECTS = 8 hours | at least 8 ECTS  (maximum 10 ECTS)  **of which at least 5 ECTS from the courses offered by the PhD program in Nanotechnology** |

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| DISCIPLINARY COURSES | | |  |
| Course name | Teacher | Institution | ECTS |
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| Total number of ECTS | | |  |

1. **SOFT SKILLS AND GENERAL COMPETENCIES COURSES**

UniTS organizes annually soft skills and general competencies courses for PhD candidates. Details of scheduled courses, along with the associated ECTS, can be accessed at the following [link](https://sites.units.it/dottorati/it/?file=Formazione.inc).

PhD can attend soft skills and general competencies courses organized by external entities such as universities, research institutes, or companies. In the latter case, the Board of Teachers will assess appropriateness and allocated ECTS.

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| **Activity** | **Hours/Credits** | **Requirements** |
| SOFT SKILLS AND GENERAL COMPETENCIES COURSES | 1 ECTS = 8 hours | at least 4 ECTS  (maximum 8 ECTS)  **of which 1 ECTS aiming at acquiring skills related to public engagement** |

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| SOFT SKILLS AND GENERAL COMPETENCES COURSES | | |  |
| Course name | Teacher | Institution | ECTS |
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|  |  |  |  |
|  |  |  |  |
| Total number of ECTS | | |  |

1. **MASTER’S DEGREE COURSES**

Master’s courses chosen from UniTS or other Universities. Attending master courses is not mandatory, so fill the table only if you want to include them in your training plan. Successful completion of an exam is mandatory.

|  |  |  |
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| **Activity** | **Hours/Credits** | **Requirements** |
| MASTER’S COURSES | RESPECTING ECTS | maximum 4 ECTS |

|  |  |  |  |
| --- | --- | --- | --- |
| MASTER’S COURSES | | |  |
| Course name | Teacher | Institution | ECTS |
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
| Total number of ECTS | | |  |

NOTE: Changes are possible and have to be approved by prof. Tatiana Da Ros (daros@units.it) and prof. Alois Bonifacio (abonifacio@units.it).

*Signature of the supervisor Signature of the student*

Trieste, January 25th 2024

Please do not modify characters and paragraph settings of the document.