PhD: the beginning of the journey

Academic Units are responsible for:

- Definition of their PhD scientific content
- Management of PhD programs
The Road

Expectations

Reality
How can we help?

• To reinforce personal and professional development of PhD students through transferable skills training

• To create an open space for discussion in NOVA

• To share best PhD practices and resources within NOVA
How do we do it?

- Share the vision of NOVA
- Create a discussion atmosphere for cross-fertilization
- See other perspectives
- Promote academic integrity
- Collaborate with other fields
- Facilitate communication of ideas
- Offer useful research tools
- Anticipate opportunities and pitfalls
What do we offer?

• All training courses are **voluntary** and **free of charge**

• Every year we offer at least one edition in each language (English and Portuguese)

• ECTS are accounted for, in the PhD programme or in the Supplement to the Diploma

• Classes integrate students with **diverse scientific backgrounds**

• Classes take place in the various **campi** of NOVA
Who has been travelling with us?

- 5% don't speak Portuguese
- 17% don't speak English
- 78% speak both languages

Total Participants: 1886
Supervisors: 122
ONE POSSIBLE PATHWAY
BUT... IT ALL DEPENDS ON THE TRAVELER.
Research Skills Development

Ideal for early stage PhD students.

Offers an opportunity to build competencies and confidence in areas relating to personal and research effectiveness.
Research Ethics

For those who want to:
• learn how to **manage and evaluate a research project** from an ethical standpoint
• **critically analyse research ethics topics** and case studies
Intellectual Property

For those who need to know more about:

- **Industrial Property** (patents)
- Copyright
- how to do theoretical and practical connections between intellectual property and scientific works

INTELLECTUAL PROPERTY
Information Literacy

Ideal for those who want to:
• define the object of information queries
• manage **search tools** and **strategies**
• evaluate information sources
For those who want to learn about:

- critical project management areas
- methodologies and project tools
- technical and behavioral project management skills
Design Thinking

For those who are interested in:
• tools and techniques to think differently
• new opportunities
• relevant solutions that create positive impact
For those who want to know:
• how to use the LaTeX for processing scientific documents
• an alternative text processor useful to write papers, books and theses, or preparing slides.
For those who are interested in:

- the programming language of **Python**
- basic **programming** techniques
- the creation of **simple scripts**
For those who want an opportunity:

• to train **oral and written techniques**
• to engage both peers and lay audiences
Communicating Science Visually

For those who need to:
- develop skills in preparing **visual or graphic materials**
- understand the importance of images and the relation between image and text
For those who need some guidance:
• through the communication process on the web
• to properly manage their online identity inside and outside social media
For those who want to know how:
• to make data discoverable and citable
• to manage their research data in compliance with financing agencies guidelines
Value Creation

For those interested in:
- create value for an idea
- entrepreneurship
- technology transfer
- new product development
- marketing
For those who are concluding the PhD or have finished recently and want to develop skills to understand, redefine and/or change the path of a professional career.
Developing Supervisory Skills

For Supervisors who want to:
• discuss supervision in general
• discuss the role of the supervisor at NOVA
• train supervision skills
Pathway
At the end of the journey...