

Dottorato di Ricerca in Fisica

Academic Year 2024/2025

Title: Soft-Skills For Graduate Students

Lecturers: Giulia Fulvia Mancini

Duration: 24 hours of frontal lectures

CFU: 4

Period: March - May 2025

Content: Learning Objectives:

The course is aimed to foster the development of Young Researchers' professional soft skills. It will examine key aspects of management of the candidates' own research plan & career (either in academia or industry), team-work, writing skills (with a focus on job/grant application), and it shall provide, for each topic, tips & tricks and practical guidelines.

The course is divided into two main branches:

- Frontal lectures focused on shaping the professional CV and online presence for job applications industry & academia, with mock interviews.
- Frontal lectures focused on scientific writing for job and grant application.

Program and contents:

CV & LinkedIn profile shaping in industry & academia:

- Theory, best practices, Q&A
- Group activities, report-out of results supervised by the instructor

Apply for a job in industry & academia

- Where and how: marketing plan to job search
- Elevator speech, the interview with mock interviews
- Professional development through networking: trainings, mentorship, coaching

Research/project proposal:

- Your breakthrough idea in 3 lines
- Develop your work plan: tasks, milestones, deliverables
- Planning, writing, time management
- Creating your own budget
- Diversity & inclusion: Gender Equality strategy in Research and Innovation
- Practice efficient writing and look for the elements of a good style

Expected results:

Development of the soft skills and the professional management capabilities (time, tasks, deliverables) and writing skills of the participants

Teaching Methods:

Interactive lectures
Group activities in the classroom
Homework

Learning verification methods:

LinkedIn & CV content: shaping & implementation. For academia or industry, at the candidates' choice.

Design of the candidates' research plan, with workplan, tasks, milestones, deliverables and budget.

Notes

This course complements the training offered by the *Presentation & Communication Skills* course, held by Prof. Alessandro Bacchetta. The two Soft-Skills courses shall be activated every other year.