PhD Educational week on Transferable skills

Fourth edition

June 21st - 25th 2021

GENERAL LEARNING GOAL

Today the importance of Soft Skills is strongly at the center of attention of company organization and always more frequently object of analysis in recruiting and selection process of young people.

PhD Educational week on Transferable skills, strategic competences for young researchers offers PhD students of Padova training activities aimed at strengthening the so–called *Transferable skills*, i.e. interdisciplinary knowledge in the fields of research design, communication, and relationships with the professional world. These are complementary skills to the technical skills and they are necessary to manage and deal with different aspects of work, to be creative or reactive while dealing with problems or unexpected events.

TOPICS COVERED AND REACHED SKILLS IN THE 5 THEMATIC AREAS

The course is structured in 5 thematic areas subdivided into different modules:

Area 1 – Communicating Science

Area 2 – Public Engagement

Area 3 – Entrepreneurship

Area 4 – Personal Competences in Scientific Research

Area 5 – Research Funding & Proposal writing

Area 1: Communicating science

Communicating science: a survival toolbox

Massimo Polidoro, Jun 21

A course to develop fundamental and basic techniques to Communicating Science.

TOPICS COVERED

- Basic public speaking
- Media interaction
- Communicating Science
- Storytelling
- Fear of public
- Mistrust of public
- Science and pseudoscience

SKILLS

- Understanding the problem and developing fundamental and basic techniques in talking and writing about science.
- How to transmit complex ideas to a lay audience.

Area 2: Public Engagement

An operative framework for public engagement: key concepts and a practical guide

Neresini – Giardullo, Jun 23

The course, composed of 2 parts, aims to introduce the public engagement (morning session) and to involve participants into working groups activity (afternoon session) with the goal of setting up a strategy for public engagement as potentially applicable for research proposals.

TOPICS COVERED:

- Scientific research and social dimension;
- Knowledge building processes and social needs;
- Opportunities to address research issues to public society;
- Tools and techniques;
- Best practices;
- Research strategies and approaches.

SKILLS:

- Understanding the meaning of public engagement both as a self-standing concept and as a part of the more comprehensive approach oriented to drafting research proposals and to their development;
- Exploring tools and new research frameworks to promote a dialogical approach between scientific institutions and society at large;
- How to promote the inclusion of societal points of view, needs and perspectives into scientific research processes;
- How to develop a more open and proactive process of scientific knowledge construction;
- Exploring European funding systems as pull for public involvement;
- Concretely setting up a strategy for public engagement as potentially applicable for research proposals and share outcomes.

Area 3: Entrepreneurship

3.1 Managing the Company of the Future: management, strategic and organizational skills
Forema, Jun 22

3.2 Research, Intellectual Property and Exploitation: the PhD perspective
Technology Transfer Office, Jun 23

3.1 Managing the Company of the Future: management, strategic and organizational skills

TOPICS COVERED:

- Business organization
- Economic and financial dynamics
- Company career development
- Access to the labor market and managing the social media

SKILLS:

- Provide approaches, methods and channels for professional integration and increase knowledge of the dynamics of Labor market.
- Facilitate the integration of Research Doctors in technical or managerial professional paths in the industrial system and services.

3.2 Research, Intellectual Property and Exploitation: the PhD perspective

TOPICS COVERED:

- what is a patent?
- why patent?
- confidentiality
- technology/knowledge transfer and research exploitation
- what to do if you think have generated patentable results

Area 4: Personal Competences in Scientific Research

4.1. Planning and managing your own research career
Daniela Bultoc, Jun 22

4.2. Improve Improvising: a jazzoom session for jam creativity
Alessandro Fedrigo, Jun 25

4.3. Universal Design and research for all: an inclusive perspective on accessibility
Elisabetta Ghedin, Jun 25

4.4. Gender awareness in scientific research
Alessandra Rampazzo, Jun 25

4.1. Planning and managing your own research career

How do you plan for your next step in your career and how do you develop actions and steps towards it? Which skills are important for your career development as a researcher and which areas should you focus on developing taking into account your career aspirations?

This webinar introduces participants to the concept of career and professional development planning and guides them through the process of identifying their strengths as researchers and possible areas for development, with a view to planning their next steps of their careers.

By the end of the session, participants will have had an opportunity: to gain some insights into what your career goals and aspirations might be

- to look more closely at where you are now, your career motivations and how your priorities are reflected in your current activities
- to become more aware of the options that you have and how you may want to plan that exploration
- take active steps towards planning your career both in academia and beyond.

This will be an interactive and informative session which will provide you with a set of tools, methodologies and models that will help you gain clarity around the importance of career development and it will provide you with a model to help you explore your next steps. The session will allow discussion, active participation and planning.

4.2 Improve Improvising: a jazzoom session for jam creativity

The description of the seminar will be available soon

4.3 Universal Design and research for all: an inclusive perspective on accessibility

This course aims at explore the topics related to the Universal Design (UD) and the Universal Design for Learning (UDL)

TOPICS COVERED

- Universal Design (UD) and Universal Design for Learning (UDL) as a framework for accessible education and research programs for everyone.
- Diversities as a challenge in UD and UDL to open new perspective in human development and flourishing societies.
- The principles of UD and UDL: foundations; applications, and implications for inquiry design.

- Universally accessible solutions for ICT and education in cooperation with all users, in low-resource settings and organizations.
- Universality: From Human Rights to new challenges to be human.

SKILLS

- Offering the main principles to manage the UD Framework in inquiry and creative process.
- Exceptional proficiency to put UD principles into practice.
- Outstanding experience developing state-of-the-art and sustainability in UD solutions.
- Ability to critique design processes from a UD perspective.
- Diversity as a potential for innovation and invention in inquiry design.
- Reframing a research community for all, beyond accessibility and adaptation

4.4 Gender awareness in scientific research

This four hours course is addressed to students of all PhD Schools to promote a reflective and aware approach to the topic of gender awareness in scientific research.

TOPICS COVERED

- Gender inequalities in European and Italian universities: scissor patterns
- The Gender budget of the University of Padova
- Politics for the promotion of structural changes aimed to achieve gender equality
- Gender and scientific research.

SKILLS

- Enhancing awareness on gender issues introducing to gender inequalities in Academy in Europe and in Italy, with special focus on the University of Padua.
- Provide approaches and methods to investigate problems and identifying possible solutions.
- Discuss and analyse university policies
- Promote an inclusive work environment

Area 5: Founding opportunities and writing skills

5.1. Open Access and scholarly communication
Elena Bianchi – Michela Zorzi, Jun 24;

5.2. From Open Access to Open Data: the Open Science framework
Elena Bianchi – Michela Zorzi, Jun 24;

5.3. Beyond borders: opportunities for young researchers
International Research Office, Jun 24

5.1 Open Access and scholarly communication and 5.2 From Open Access to Open Data: the Open Science framework

The training course, composed of two modules, aims to introduce early-career researchers to scientific communication and to the principles of Open Science (Open Access to documents, Open Data, Open Licences). Students will receive information and suggestions on the available e-infrastructures, tools, and services for publishing in Open Access and managing Open Data

5.3 Beyond borders: opportunities for young researchers

This module offers a proposal writing laboratory and focuses on the structure and the key contents of an individual grant application. It involves participants

TOPICS COVERED

Partecipants will be involved in two sets of activities:

- analysis of the proposal template, tips, and examples for a successful application;
- writing a couple of sections of an individual proposal (in groups), presentation of group works and wrap up, presentation and discussion of a success story.

SKILLS

Proposal writing: introduction and practical laboratory on the Project Cycle management and the logical Framework Approach.