

Professional Skills Development Module Information

INDUCTION

Training Suitable for: All Year 1

Students

Registration: Students are Pre-enrolled
by the GRS

Assessment: None

Description: Induction will acquaint research students with the research processes and regulations. A typical Induction Programme is as follows:

- Introduction to TU Dublin
- Introduction to the Graduate Research School and other Supports
- Admission to Research Degree Programmes
- Programme Overview and Credit Requirements
- Progression, Annual Evaluations and Examinations
- Graduate Research Regulations

MODULE 1: RESEARCH INTEGRITY (5 ECTS)

Training Mandatory for: All Research Students

Registration: Students are Pre-enrolled by the GRS

Assessment: Engagement in workshop and Completion of online training including quizzes

Description:

- If you had to carry out research involving human participants, would you know how to go about it?
- What should you do if you see a colleague engaging in questionable research practice?
- Do you have a clear understanding of how much input you need to have in order to merit authorship – and how to prevent disputes on this subject?
- Have you considered the broader impact of your research on society?

This programme is designed to help graduate and early career researchers answer these and many other questions that will arise as they consider how to plan, carry out and report their research with integrity, and to deal with the complex situations in which they may find themselves.

MODULE 2: STARTING YOUR RESEARCH (5 ECTS)

Training Suitable for:

All Year 1 full-time Research Students

All Year 1-2 part-time Research Students

Assessment: Engagement in workshop and submission of research plan via PGR2A to supervisor(s)

Registration: Required at <https://forms.office.com/r/48a5secEGu>

Description:

The purpose of this module is to introduce students to different research methodologies and to help students to think about methodologies not just for their own research area but also to understand the range of skills and abilities in a wide range of disciplines. In addition, this module will introduce students to Project Management and current topics such as Strategic alignments to National Development Plans and UN SDGs. The module provides training, step by step, through the process of undertaking a literature review, using a systematic and comprehensive approach.

Learning Outcomes/Topics Covered

- Managing a research project
- Research Design and Planning
- Research Methods: Qualitative, Quantitative and Mixed Methods
- Data Analysis and Data Visualisation
- Ireland's National Development Plans,
- EU Research Missions
- United Nations Sustainable Development Goals (UN SDGs)
- Introduction to Data Management Plans

MODULE 3: PROGRESSING YOUR RESEARCH (5 ECTS)

Training Suitable for:

Year 2 full-time PhD/DMus

Students

Year 3-4 part-time PhD/DMus

Students

Assessment: Engagement in workshop and submission of draft article to supervisor(s)

Registration: Required at

<https://forms.office.com/r/48a5secEGu>

Description:

This module introduces participants to the academic writing and dissemination skills processes not only in their own discipline area but also in other disciplines. The purpose of this module is to give structured guidance and support to postgraduate students in the arts, humanities, business, science and engineering fields, who are keen to put their research into the public realm. There will be a focus on developing skills to present and publish successfully at postgraduate level: publishing cycle, training and technical tips on how to produce an academic paper, selecting an appropriate publication, honing critical skills in proof-reading, editing, and referencing all within a supportive and pro-active environment. This module is also aimed at encouraging postgraduates to attend conferences and improve their presenting and professional networking skills.

Learning Outcomes/Topics Covered

- Open Research Agenda
- Information Retrieval
- Disseminating your research including communication and writing skills
- Networking
- Getting Published
- Intellectual Property in Research

MODULE 4: COMPLETING YOUR RESEARCH (5 ECTS)

Training Suitable for:

Year 3 full-time PhD/DMus Students

Year 5 part-time PhD/DMus Students

Year 2 MPhil Students

Assessment: Engagement in workshop and Submission of CV including research impact statement to supervisor(s)

Registration: Required at

<https://forms.office.com/r/48a5secEGu>

Description: This module provides targeted support for those planning careers in the arts, social sciences, business, science and engineering disciplines. It aims to encourage PhDs and early career researchers to explore the skills and motivations for their career and to see how important it is to assess and continually re-evaluate skills and interests. The module will help students to recognise that personal factors such as location and family circumstances can influence and affect career planning. The module has a number of exercises for students to work through, including marketing to prospective employers in applications and in interviews.

Learning Outcomes/Topics Covered

- Ireland's National Development Plans,
- EU Research Missions
- United Nations Sustainable Development Goals (UN SDGs)
- Research Impact
- Thesis Preparation
- Preparing for your viva voce
- Entrepreneurial Activities
- Design Thinking
- Career Planning

MODULE 5: Work-based Learning (5 ECTS)

<p>Training Suitable for:</p> <p>All Full-time research students on internships</p> <p>All Part-time research students in employment</p>	<p>Assessment: Engagement in workshop and submission of reflective journal to supervisor(s)</p> <p>Registration: Required at https://forms.office.com/r/48a5secEGu</p>
<p>Description: A number of research students may spend some or all of their time in industry or other professional environments. This is particularly true for research students funded by the Irish Research Council through their Employment-based and Enterprise Partnership schemes. In addition to their research, these students also undertake periods of planned work-based learning which is completed within the organisation in a market sector that is closely aligned with the student's research programme. This module allows students to apply theoretical knowledge acquired as part of their research to a real life setting. In addition, students will be able to acquire new skills as part of this module. Their learning is demonstrated by completing a work-based reflective journal, which is assessed.</p>	
<p>Learning Outcomes/Topics Covered</p> <p>Work-based learning</p> <p>Reflective Thinking</p> <p>Reflective writing</p>	