

ES9ZV-15 Interdisciplinary Transferable Skills

24/25

Department

School of Engineering

Level

Taught Postgraduate Level

Module leader

Nikola Chmel

Credit value

15

Module duration

52 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

This module is based around completing and recording tasks that students are already doing as part of their degree. Students will be completing a portfolio of activities focused on skills development and reflecting on what they have learnt. The various aspects of skills development, which form a basis for the portfolio, are described in the syllabus below.

Module aims

To introduce students from a range of different backgrounds to a wide range of skills required for interdisciplinary researchers. Most of the material is covered in the context of activities that students will undertake during their study.

The key challenge for this module is for students to be able to understand how they operate and function in different settings and to use different skills to achieve this.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be

covered. Actual sessions held may differ.

1. General introduction to graduate studies, including relevant safety and other required training.
2. Working with others: team development, learning styles, team roles etc.
3. Understanding the scientific background to a research area: attending seminars/conferences, writing reviews etc.
4. Organisation of a departmental or group-related activity
5. Presenting scientific work to varied audiences, including e.g. web page, poster, scientific paper, thesis/dissertation, scientific presentations, assessing presentations of colleagues, etc.
6. Career development and other activities which involve interaction with others and elements of leadership

Learning outcomes

By the end of the module, students should be able to:

- Ability to operate safely and effectively in the science graduate research environment
- Work effectively within an interdisciplinary team
- Write reports, essays, papers as required for their discipline
- Present the results of research to both scientific and non-scientific audiences
- Coordinate research activities in a small team
- Understand how one operates and functions in different settings and to use different skills to achieve this.

Interdisciplinary

Skills module to be able to undertake interdisciplinary research projects successfully.

Subject specific skills

Ability to operate safely and effectively in the science graduate research environment

Understanding and awareness of current research and problems relating to the area of the research project.

Ability to present data to an audience of peers in various formats (poster, presentation, structured thesis)

Transferable skills

Creative and innovative thinking, Critical thinking, Problem solving, Communication, Teamwork and working effectively with others, Information literacy (research skills), Digital literacy, Professionalism, Self-awareness

Study

Study time

Type	Required
Seminars	5 sessions of 2 hours (7%)
Assessment	140 hours (93%)
Total	150 hours

Private study description

No private study requirements defined for this module.

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time	Eligible for self-certification
Skills development portfolio	100%	140 hours	Yes (extension)

Establish a portfolio of transferable skills activity and collect evidence to show that all aspects of the syllabus list have been attained.

Feedback on assessment

Written feedback will be provided for the portfolio tasks

Availability

Courses

This module is Optional for:

- TESA-H1CA Postgraduate Taught Diagnostics, Data and Digital Health
 - Year 1 of H1CA Diagnostics, Data and Digital Health
 - Year 1 of H1CB Diagnostics, Data and Digital Health (Medical Diagnostics)
 - Year 1 of H1CC Diagnostics, Data and Digital Health (Medical Imaging)