Transferable Skills 1 (TS1)

Personal qualities and self-management; ethics, open science and IPR

PERIOD	July to November 2021
COORDINATOR	Karim Hadjri, USFD
FACULTY	Krzysztof Nawratek
CREDITS	2 ECTS (50 hours, including synchronous sessions and self-directed work)

1. Introduction

This is one of three transferable skills modules of TS1 course which aims to foster personal qualities, entrepreneurship and professional career and communication, engagement and impact. TS1 will cover topics which are guided by the UK Research Development Framework[1]:

- **Personal qualities and self-management:** Personal qualities refer to enthusiasm; perseverance; integrity; self-confidence; self-reflection; and responsibility. While Self-management is about preparation and prioritisation; commitment to research; time management; responsiveness to change; and work-life balance.

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[1] https://www.vitae.ac.uk/researchers-professional-development/about-the-vitae-researcher-development-framework

- **Ethics, open science and IPR:** these fall under <u>Professional Conduct</u> which includes health and safety; Ethics, principles and sustainability; legal requirements; IPR and copyright; respect and confidentiality; attribution and co-authorship; appropriate practice.

2. Learning aims

- To develop ESRs' transferable skills and introduce them to the challenges and opportunities of conducting research.

- To develop skills in research conduct and self-management.

- To enhance ESRs' ethical sensitivity and awareness and to prepare them for ethical processes and challenges associated with engaging with participants and data management.

3. Learning outcomes

Personal qualities and self-management:

- Ability to engage in research and maintain enthusiasm and motivation.

- Awareness of personal qualities and a willingness to demonstrate them.

- Awareness of responsibility for own project and own wellbeing.

- Ability to manage own time and deadlines effectively.

Ethics, open science and IPR:

- Understanding of data ownership and management rules.

- Understanding the value of research outputs, sharing and impact.

- Knowledge of IPR policies and procedures.

4. Delivery Structure

Topic	Mini-lecture (x4)	Seminar (x2)	WS1	SS1
The challenges and opportunities of conducting research.	X (online)	X (online)		
Research conduct and self-management.	X (online)		X	
Ethical processes and challenges associated with engaging with participants.	X (online)	X (online)	X	
Data ownership and management rules	X (online)			
Personal qualities and self-management.	X (WS1)		X	X
Open science and IPR.	X (WS1) & X (SS1)		X	X
Leadership; teamwork				X

Orange text: July delivery.

5. Training Activities

Date	Description of the activity	Lead
16.07.2021 **10:00-13:00 CET**	**Four 30 minutes' mini-lectures available online:** **The challenges and opportunities of conducting research:** The challenges and opportunities (developing skills, creating and participating in research and/or professional networks, provide solutions to problems, creating new knowledge, contextualise and re-evaluate existing knowledge) of conducting research. **Research conduct and self-management:** - Research conduct: review of codes of conduct in research and standards expected, and how these apply to researchers, PGR	Krzysztof Nawratek Karim Hadjri

	students and their supervisors, and other internal and external collaborators.	Krzysztof Nawratek
	- Self-management: discussion on responsibility for own project and own wellbeing, on how to manage own time and deadlines effectively.	
	Ethical processes and challenges associated with engaging with participants:	
	- Participants' rights: be fully informed about how and why their data will be collected and used as part of a research project, and by whom; consent to participate, withdraw from, or refuse to take part in research projects; confidentiality: personal information or identifiable data should not be disclosed without participants' consent; security of their data: data and samples collected should be kept secure and anonymised where appropriate; safety: participants should not be exposed to unnecessary or disproportionate levels of risk, and; request erasure of their data if and when it is no longer required for research purposes.	
	- Researchers' obligations: Researchers have an obligation to ensure that their research is conducted with: honesty; integrity; minimal possible risk to participants and to themselves; and respect for other people, their values and their cultures) and data management (collecting, storing, sharing, deleting).	
	Data ownership and management rules:	
	Introduction to Data Management following the FAIR data principles (findable, accessible, interoperable, re-usable), their ownership and management during the project and beyond.	
	Group formation for independent work Task 1.	Karim Hadjri
16.07.2021-07.09.2021	**INDEPENDENT WORK: Preparation for seminars.** **Group work (Task 1):** - Explore and discuss (a) Challenges and opportunities of conducting research and (b) Research conduct and ethics when dealing with human participants. You can use case studies and/or previous experiences to illustrate your arguments. 15 minutes presentation per group.	ESRs

	- Seminar session on 07.09.2021.	
23.07.2021 **14:00-15:00 CET** **15:30-16:30 CET**	**SEMINARS.** **- Being a researcher:** Seminar will discuss individual research motivations and approaches in a context of: Mariam Attia & Julian Edge (2017) Be(com)ing a reflexive researcher: a developmental approach to research methodology, Open Review of Educational Research, 4:1, 33-45, DOI: 10.1080/23265507.2017.1300068 **- Being researched:** Seminar will discuss ethics and power relationships between researcher and researched individuals / groups in the context of: M. Ariel Cascio & Eric Racine (2018) Person-oriented research ethics: integrating relational and everyday ethics in research, Accountability in Research, 25:3, 170-197, DOI: 10.1080/08989621.2018.1442218	Krzysztof Nawratek Krzysztof Nawratek
24.07.2021- **07.09.2021**	**INDEPENDENT WORK** **Continue Group work (Task 1).**	ESRs
26.08.2021 **10:00-12:00 CET**	**Seminar on essay writing to support Task 2.**	Karim Hadjri
Workshop day 3 (half day) **22.09.2021-** **24.09.2021**	**Three 30 minutes' mini-lectures:** **Lecture 1:** Personal qualities and self-management. Karim Hadjri **Lecture 2:** Ethics and data management. Krzysztof Nawratek **Lecture 3:** Open science and IPR. Krzysztof Nawratek (Open Science). Karim Hadjri (IPR)	Karim Hadjri and Krzysztof Nawratek
Summer School **22.11.2021-** **26.11.2021**	**CASES OF FORMATIVE RESEARCH PROJECTS** Round table with invited researchers (outside RE-DWELL) on 'game changing' research projects. Invited speakers. Moderator: Karim Hadjri Preparation and participation in the roundtable: the ESRs.	Karim Hadjri and Krzysztof Nawratek

6. ESR outputs

6.1. TASK_1_GROUP WORK

The challenges and opportunities of conducting research; (b) Research conduct and ethics. Submission date: 07.09.21The definition of one of the terms chosen by each ESR will be discussed in a collective session: the VOCABULARY WORKSHOP (Session 5 on October 15th). The collective outputs of this task will be presented as vocabulary entries (500 words, plus references).

Submission date: 22.10.2021.

6.2. TASK_2_COURSEWORK

ESRs will be required to produce a 2,000 words essay reflecting on TS1 components delivered at WS1. The essay should critically review each topic covered under TS1 and discuss how these will influence their individual research project. The essay will be assessed by two members of the Supervisory Board.

Submission date: 01.10.21.

7. Training plan
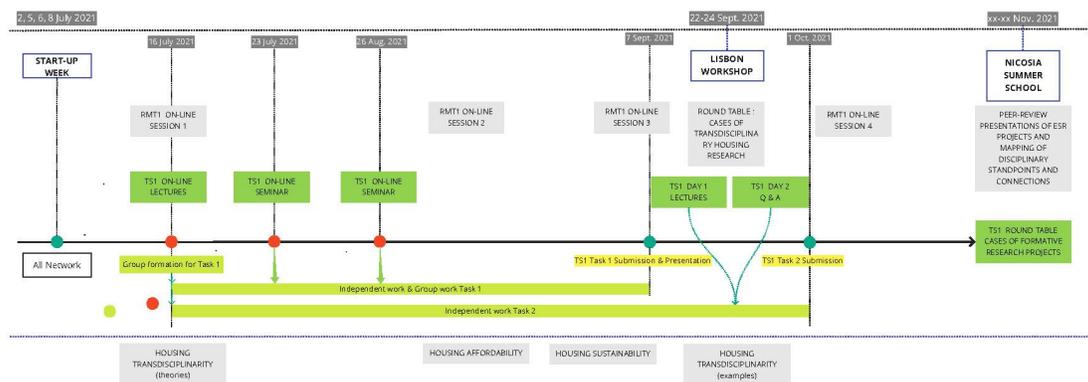
8. Online material

Teams folder:

https://teams.microsoft.com/l/team/19%3a4Ryhwl0V0gAuilc4zYky_cYS0pzpUNPs2CdIGaHSF_01%40thread.tacv2/conversations?groupId=f0bc6daf-88cc-441e-abc9-187d69aab828&tenantId=6e24b6e5-3049-4468-ae77-a308ba97331f

9. Bibliography

Berg, B. L. (2012) Qualitative research methods for the social sciences. London: Pearson.

Briggs, A. R. J.; Coleman, M. & Morrison, M. (2012) Research Methods in Educational Leadership and Management. Los Angeles: SAGE Publications.

Bryman, A. (2004) Social Research Methods (Second edition). Oxford: Oxford University Press.

Bryman, A. (2016) Social research methods (Fifth edition). Oxford: Oxford University Press.

Creswell, J. W. (2013) Qualitative inquiry and research design: choosing among five approaches. Los Angeles: SAGE Publications.

Creswell, J. W. (2014) Research design: qualitative, quantitative, and mixed method approaches. Los Angeles, Thousand Oaks: SAGA Pub.

Denscombe, M. (2003) The Good Research Guide for Small-Scale Social Research Projects (Second edition). Buckingham: Open University Press.

Durant-Law, G. (2005) The Philosophical Trinity, Soft Systems Methodology and Grounded Theory. Published on Semantic Scholar. Accessible at: https://www.semanticscholar.org/paper/The-Philosophical-Trinity-%2C-Soft-Systems-and-Theory-Durant-Law/33e4c58f64c7959d6042238160ebf28587c51f44

Greene, S. & Hogan, D. (2005) Researching Children's Experience: Approaches and Methods. London: SAGE Publications.

Harrell, M. C. & Bradley, M. A. (2009) Data collection methods. Semi-structured interviews and focus groups. Santa Monica CA, USA: Rand National Defence Research Institute.

Kothari, C. R. (2004) Research methodology: Methods and techniques (Second edition). New Delhi, India: New Age International Publishers.

Lawson, B. (2002) Design as Research. *Architectural Research Quarterly*, 6 (2): 109-114.

Groat, L. & Wang, D. (2002) Architectural Research Methods. New York: Wiley.

Miles, M. B. & Huberman, A. M. (eds.) (2002) The Qualitative Researcher's Companion. London: SAGE.

Moroney, M. J. (1990) Facts from Figures. London: Penguin.

Fraser, M. (2013) Design Research in Architecture: An overview. Farnham: Ashgate.

Noor, K. B. M. (2008) Case study: A strategic research methodology. *American journal of applied sciences*, 5, 1602-1604.

Patton, M. (2015) Qualitative research and methods: Integrating theory and practice. London: SAGE.

Proctor, S. (1998) Linking philosophy and method in the research process: the case for realism. *Nurse Research*, 5 (4), 73-90. DOI: 10.7748/nr.5.4.73.s7

Lucas, R. (2016) Research Methods for Architects. London: Lawrence King.

Stake, R. E. (1995) The Art of Case Study Research. London: SAGE.

Kindon, S.; Pain, R. & Kesby, M. (Eds.) (2007) Participatory Action Research Approaches and Methods: Connecting People, Participation and Place. Abingdon: Routledge.

Silverman, D. (Ed.) (2004) Qualitative Research: Theory, Method and Practice. London: SAGE.

Strauss, A. & Corbin, J. (1998) Basics of Qualitative Research: Techniques and Procedures for Developing Grounded Theory (Second edition). Thousand Oaks California: SAGE.

Tobin, G. A. & Begley, C. M. (2004) Methodological rigour within a qualitative framework. *Advanced Nursing*, 48 (4), 388-396. DOI: 10.1111/j.1365-2648.2004.03207.x.

Virginia, W. (2014) Research Methods: Triangulation. *Evidence based library and information practice*, 9 (1). DOI: https://doi.org/10.18438/B8WW3X

Whyte, W. (Ed.) (1991) Participatory Action Research. London: SAGE.

Yin, R. (2009) Case Study Research: Design and Methods (Fourth edition). London: SAGE.