

COURSE OUTLINE

Name of course		RESEARCH METHODS FOR SUSTAINABLE DEVELOPMENT			
Lector		e-mail:			
Seminar Instructor		e-mail:			
	Topic 1 Introduction to the research methodology		Lecture, hours	Seminar, hours	
Week 1	1.2 So 1.3 R	esearch paradigm cientific thinking esearch ethics esearch design		3	1
	development	lentified research		Lecture, hours	Seminar, hours
Week 2	2.2 K enviro 2.3 Si Expla Devel resear 2.4 Ti Devel 2.5 C studio devel 2.6 M metric	ey Principles of Sustanment, equity, and ustainable Development in the United National Implicit Goals and the Escope of Research Implicit Goals and the Scope of Research Implicit Goals and the I	economy nent Goals (SDGs): ns Sustainable their role in guiding th in Sustainable orld examples and case accessful sustainable ojects lity: Explore different ed to measure	3	1
Week 3	Topic 3 Rese	earch paradigms and	stages	Lecture,	Seminar,
	3.2 D	ualitative, Quantitat ata collection esearch methodolog	ive and Mixed methods	hours 3	hours 1
Week 4	Topic 4 Stag	es of conducting res	search	Lecture, hours	Seminar, hours
	4.3 Fo 4.4 C 4.5	entifying managemormulating research onducting literature A brief on research tion, analysis and research	questions review ch methodology, data	3	1





	Topic 5 Theory and conceptual framework	Lecture,	Seminar,
	Topic o Theory and conceptual Hamework	hours	hours
Week 5	5.1 Theories in social science and application to sustainability development 5.2 Hypothesis Development 5.3 Population, sampling design and sampling procedures 5.4 Research variables	3	-
Week	Topic 6 Data collection for qualitative research	Lecture,	Seminar,
6	methods I	hours	hours
	6.1 Observational technique6.2 Methodological considerations for the use of observation6.3 Types of observation	3	-
Week	Topic 7 Data collection for qualitative research	Lecture,	Seminar,
7	methods II	hours	hours
	7.1 Interview7.2 Interview design and protocol of interview7.3 Interview types	3	1
Week	Topic 8 Questionnaire methods	Lecture,	Seminar,
8		hours	hours
	8.1 Step in Conducting Questionnaire8.2 Erorr Source8.3 Construct Questionnaire8.4 Selecting a Measurement Scale	3	1
Week 9	Topic 9 Measurement	Lecture, hours	Seminar, hours
	9.1 Scales of Measurement 9.2 Example of measurements related to Sustainable Development Goals (SDGs) using each scale	3	1
Week	Topic 10 Quality of research	Lecture,	Seminar,
10		hours	hours
	10.1. Need for quality of research in sustainability studies 10.2. Aspects of research quality	3	1
Week	Topic 11 Quantitative data analysis	Lecture,	Seminar,
11		hours	hours
	11.1 Data Preparation in Quantitative Data Analysis 11.2 Descriptive statistics 11.2 Correlation	3	1





	11.3 Multiple regression 11.4 Hypothesis testing		
Week 12	Topic 12 Qualitative data analysis	Lecture, hours	Seminar, hours
	12.1 Forms of Qualitative Data 12.2 Qualitative vs. Quantitative Analysis 12.3 Analyzing Qualitative Data 12.4 Practicing Quantitative Data Analysis: An example	3	-
Week 13	Final exam	3	-
	Exam instruction will be provided		

RECOMMENDED SOURCES

Compulsory literature:

Frances Fahy and Henrike Rau (2013) Methods of Sustainability Research in the Social Sciences, (p.232) SAGE Publications Ltd.

Jingzheng Ren (2021) Methods in Sustainability Science Assessment, Prioritization, Improvement, Design and Optimization (p.426), Elsevier, ISBN 978-0-12-823987-2 https://doi.org/10.1016/C2020-0-00430-5

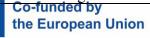
Janette Hartz-Karp and Dora Marinova (2017) Methods for Sustainability Research (p. 352) ISBN: 978-1-78643272-8

Schindler, P. S. (2022). Business Research Methods (14th ed.). McGraw-Hill/Irwin. [SPS]

Suggested reading:

Ducham Developmental Editor, Christina Kouvelis Managing Developmental Editor. Gericke, N., Pauw, J., B., Berglund, T., Olsson, D. (2018, 2019). The Sustainability Consciousness Questionnaire: The theoretical development and empirical validation of an evaluation instrument for stakeholders working with sustainable development. Sustainable Development, 27(1), 35-49. https://doi.org/10.1002/sd.1859

Gericke, N., Pauw, J., B., Berglund, T., Olsson, D. (2018, 2019). The Sustainability Consciousness Questionnaire: The theoretical development and empirical validation of an evaluation instrument for stakeholders working with sustainable development.





Sustainable Development, 27(1), 35-49. https://doi.org/10.1002/sd.1859

Jupp, V. (Ed.) (2006). The Sage Dictionary of Social Research Methods. SAGE Publications

Khaldi, K. (2017). Quantitative, Qualitative or Mixed Research: Which Research Paradigm to Use? Journal of Educational and Social Research, 7(2) DOI:10.5901/jesr.2017.v7n2p15 URL: http://archive.sciendo.com/JESR/jesr.2017.v7n2p15

Marshall, J., Coleman, G., & Reason, P. (2011). *Leadership for Sustainability: An Action Research Approach*. New York: Routledge.

Selected internet sources:

Arman Bidarbakhtnia, Measuring Sustainable Development Goals (SDGs): an inclusive approach, available at

https://unece.org/fileadmin/DAM/stats/documents/ece/ces/ge.32/2020/mtg1/W_2__B_ENG_M_easuring_SDG_progress_ESCAP.pdf

UNECE, 2020, Measuring and Monitoring progress towards the Sustainable Development Goals, available at https://unece.org/sites/default/files/2021-04/2012761_E_web.pdf

UN, 2023, SDG Indicators, available at https://unstats.un.org/sdgs/metadata/

ASSESSMENT CRITERIA				
Assignment	25%			
Class participation and discussion	20%			
Mini-project	25%			
Final exam	30%			

