Module 2: Research Methodology	
Торіс	Contents
Introduction to research in sustainability	Areas of research in sustainability in the built environment
Philosophical strands in research and research approach	
Literature review	Significance of literature review in research, types of literature review, structure of literature review, development of literature review, identification of research gap
Reference management	Citation styles in research, In-text citation, list of references, bibliography, Introduction to reference management software
Qualitative methods of data collection	Various qualitative methods in research including interviews, focus group discussions, case study method, observations, record keeping etc. their purposes, advantages and disadvantages.
Quantitative methods of data collection	Various quantitative methods in research including surveys, experiments, systematic observations, questionnaires, etc. their purposes, advantages and disadvantages.
Mixed methods of research	Mixed methods, their advantages and disadvantages, triangulation in research
Qualitative methods of data analysis	Content analysis, thematic analysis, narrative analysis, grounded theory analysis, discourse analysis etc., selection of data analysis method, and interpreting the results. Qualitative data analysis using Nvivo
Scientometric Analysis	
Quantitative methods of data analysis	Descriptive and inferential statistics, training on use of SPSS for data analysis, selection of data analysis method, conducting tests and interpreting the results
Training on Introduction to BREEM	
Graphical presentation methods of data analysis	Various techniques of graphical representation including Bar charts, histograms, line graphs, pie charts, pictographs, frequency distribution, scatter plots etc. and reporting the results
Scientific writing for publications	Characteristics of scientific writing, types of scientific writing, structure of a research paper, use of language in scientific writing
	Introduction to research in sustainability Philosophical strands in research and research approach Literature review Reference management Qualitative methods of data collection Quantitative methods of data collection Mixed methods of research Qualitative methods of data analysis Scientometric Analysis Quantitative methods of data analysis Training on Introduction to BREEM Graphical presentation methods of data analysis

Outline of preparation for oral presentation and communicating the research

Module 2: Research Methodology

Lecture 14

Presentation techniques