Liverpool John Moores University

Title:	RESEARCH METHODS
Status:	Definitive
Code:	**7501SCSUCR** (125666)
Version Start Date:	01-08-2019
Owning School/Faculty:	Natural Sciences & Psychology
Teaching School/Faculty:	Southern Connecticut State University

Team	Leader
Jason Kirby	Y

Academic Level:	FHEQ7	**Credit Value:**	8	**Total Delivered Hours:**	16
Total Learning Hours:	80	**Private Study:**	64		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	8
Workshop	8

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio	Portfolio of research design and planning work. Synthesis of literature, method appraisal, project planning proposal.	100	

Aims

To enable students to recognise and apply coastal resilience theory, concepts and thinking in academic work.
To develop an understanding of the research process, through planning, design and method selection.
To evaluate qualitative and quantitative research approaches and frameworks.
To understand ethical implications of research.

Learning Outcomes

After completing the module the student should be able to:

1 Relate theoretical principles and concepts to coastal resilience thinking.
2 Critically understand the research process, through planning, design and method selection.
3 Identify appropriate qualitative and/or quantitative methods and apply them to suitable research datasets.
4 Communicate research ideas in a concise and professional written format.
5 Demonstrate competence in sourcing, reviewing and critically evaluating academic literature.
6 Be familiar with ethical considerations around research.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Research design portfolio	1	2	3	4	5	6

Outline Syllabus

Introduction to resilience thinking in socio-ecological systems. Perspectives of knowledge, research and knowledge creation. Quantitative and qualitative approaches. Sampling and sample design. Research questions and hypothesis testing. Generating and working with data (socio-cultural aspects, bio-physical aspects and socio-ecological systems). Research proposals, costing and funding. Data representation - communicating spatial and non-spatial data, graphs and maps. Statistical methods (parametric and non-parametric). Interpretation and errors. Research ethics. Research writing and dissemination.

Learning Activities

Lectures, seminars, workshops, discussion.

Notes

This module will provide students with the opportunity to examine the process of knowledge formation through the theoretical principles underpinning research and training in aspects of research data generation. The course will enable students to critically evaluate qualitative, quantitative and field-based research approaches and frameworks as well as enable students to forecast ethical considerations in the research process. This module is a precursor to the Research Methods and Geospatial Analysis module and ensures students have continuity with working on their research project proposals and are able to discuss their research with faculty in both departments (both SCSU and LJMU) while in residency at each respective

location.