UNIVERSITY OF LEICESTER

Module Specification

GY2424 Remote Sensing for Geographers

Academic Year: 2020/1
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Lectures	20
Seminars	
Practical Classes & Workshops	20
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	110
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
Total Module Hours	150

Period: Semester 2
Occurence: E
Coordinator: Kirsten Barrett
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	50				
002	Report	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- explain the physical principles underlying remote sensing studies. This includes being able to define key concepts and terminology used in remote sensing such as electromagnetic radiation, surface reflectance and spectral reflectance curves;
- associate the data that these sensors provide with an understanding of interactions of radiation with different surface features and geographical phenomena;
- demonstrate their ability to manipulate satellite data using dedicated image-processing software. Make visual interpretations of satellite images to support theory;
- apply the principles of image acquisition and interpretation to making decisions on the appropriateness of the use of remotely sensed data to address geographical issues in both human and physical environments.

Teaching and Learning Methods

Lectures; Seminars; Computer Practical Classes; Independent Study

Assessment Methods

Pre-Requisites

Co-Requisites

Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading for seminars, reviewing lecture notes and following up on concepts with materials from Blackboard resources folder or independent searches for information, background reading for assignments

Last Published: 5 July 2020