AUTHOR

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COUNTRY

United Kingdom

FIELD OF HUMANITIES

Archaeology

REQUIREMENTS FOR THIS ACTIVITY

1. Digital technology:
Remote Sensing, imaging software and GIS.

2. Pre-existing knowledge and skills:
First degree in Archaeology (or another relevant or related discipline) 2:2 or above, other relevant qualifications are considered.

LANDSCAPE ARCHAEOLOGY AND DIGITAL HERITAGE

3D methods of digitally documenting objects, sites, and landscapes offer significant potential to archaeology and heritage management. Digital data can be a way of archiving heritage (the need for this has been graphically illustrated by the loss of world heritage sites to conflict) and it is becoming the gold standard for commercial recording of sites and landscapes.

GOALS

This Masters programme gives direct hands-on experience of current technologies used for acquisition of data and the manipulation, presentation, and analysis of data captured at all scales.

It provides a comprehensive understanding of approaches used in digital documentation - from 3D microscopy through to 3D landscapes. You will appraise the value and potential limitations of these approaches.

Fig. 1. Biological Anthropology Research Centre (BARC).

KEY OUTCOMES

The curriculum comprises a core of compulsory modules to provide appropriate background in the theory and application of scientific methods in landscape archaeology and digital heritage.

The emphasis is on the learning of fundamental scientific principles across several disciplines and applying these to archaeological and heritage areas. The programme draws heavily on areas of expertise in the School of Archaeology and Forensic Sciences.

The programme comprises core modules throughout. In the first semester Remote Sensing and Archaeological Prospection & Visualisation provide scientific background to the programme and introduce a wide range of techniques that relate to digital capture of landscapes and heritage. Afterwards come modules that provide broad ranging skill-sets to identify learning needs and the resources. The last module focuses on the analysis of spatial data for a variety of purposes.