

Applied GIS

ENVS257

In this module you will learn how to use GIS to create a spatial database; understand the basics of how a GIS works; and learn how to create and input a range of data types. As well as this, you will find out how to apply some basic spatial analysis techniques to real-world data, for example by analyzing crime rates from the police.uk web site. You will learn these skills through a series of introductory lectures and well documented practicals. You will be able to gain direct help and input from staff during the practical sessions and, as necessary, via a follow-up clinic-session.

These skills will be assessed through the completion of a number of practical exercises and associated assessments. Successful completion of this module means you will understand and be able to apply a range of basic modeling, visualization and analysis procedures to geographical data drawn from across the breadth of human geography and planning. When faced with a new data-set, this means that you will be able to work independently using a GIS and other statistical computer packages, to analyse and visualise those data.

