

# Centre for Environmental Management

## Short Learning Programme

### GIS Intermediate: Hydrological modelling and terrain analysis using digital elevation models

The purpose of the SLP is to teach practitioners to derive a number of important environmental datasets from digital elevation models.

#### Course content

A series of catchment modelling tools will be explored and used to model water flows in river catchments. Students will be exposed to a number of terrain analysis tools that will allow them to model terrain morphology and visibility. Although each of these tools is fairly easy to use, it is in combining them into complex models that their power lies. By learning how to combine these tools effectively, participants will be provided with a powerful means of effective environmental management.

#### Admission requirement

At least National Senior Certificate, basic competency in ArcGIS or equivalent software

**Dates:** 14-16 October 2015 (3 days)

**Cost:** R6 500

**Venue:** University of the Free State, Bloemfontein campus

To register, please send an email to [humanhs@ufs.ac.za](mailto:humanhs@ufs.ac.za), or complete the registration form. Presentation depends on a minimum number of delegates.

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