

Geog 3036: Aquatic systems and Environmental Change

Dr Pete Langdon

“A lake, as big as it is, is by no means an ocean; its limited area gives it a unique quality, which is very different from that of the endless ocean”

(Forel, 1892 – inventor of the term limnology)

In a nutshell

- How do lake systems function?
- What happens when they go wrong (eutrophication, acidification) and can we fix these lakes?
- How can we use lake sediments to tell us something about recent environmental change?



Course structure

Lecture and practical/seminar each week.

Course assessment

An essay discussing likely future impacts of climate change and anthropogenic pressures on a lake of the world (students choice) 40%; exam (60%).

Employability

Students will learn practical skills such as statistical and modelling techniques used in aquatic systems in addition to understanding the roles of conservation and management for freshwater resources.



The Student View

“The module was incredibly well organised and interesting – I always felt like I was learning something new”

“Lots of new ideas and concepts which crossed over into many different disciplines”