

Forest ecology with conservation biology

8 January–16 February 2007

Cost: £2550

Bangor, UK

This course is suitable for professionals in agriculture, forestry and related natural resources disciplines in the government, university, non-governmental and charity sectors who wish to develop and extend their knowledge and skills in conservation biology. The course also provides an excellent introduction to project work for those interested in pursuing careers in developing countries.

By the end of the course students should be able to, among other things:

- plan and carry out plant biodiversity and ecological assessments;
- apply the principles of conservation biology to the management of wildlife populations and habitats;
- assess the viability of populations of rare species;
- use evidence-based approaches to the management of wildlife populations and habitats; and
- demonstrate an understanding of the conservation needs of key species.

Forest ecology with soil & water conservation

29 January–9 March 2007

Bangor, UK

Cost: £2550

This course is suitable for professionals in agriculture, forestry and related natural resources disciplines as well as technicians and managers of agricultural programs in semi-arid areas. The course also provides an excellent introduction to project work for those interested in pursuing careers in developing countries.

By the end of this course students should be able to, among other things:

- describe the main kinds of soil erosion and land degradation;
- use simple methods to model soil erosion;
- assess land degradation using simple classification methods;
- describe a range of appropriate agronomic and physical measures to ameliorate land degradation in a drought-prone area;
- design a simple water-harvesting scheme;
- discuss the main social, political and economic factors influencing land degradation; and
- lay out contours and small gradients using simple surveying implements.

Forest ecology with environmental silviculture

8 January–16 February 2007

Bangor, UK

Cost: £2550

By the end of this course students should be able to, among other things:

- demonstrate understanding of the ecological information needed for the management and conservation of natural forests;
- plan and carry out plant biodiversity and ecological assessments;
- analyse, present and interpret the results;
- make recommendations about the application of results for future forest assessment and management;
- demonstrate understanding of the main properties of forest ecosystems as the objects of silvicultural activities; and
- match ecological, economic and societal requirements of modern forest management and deal with trade-offs.

Agroforestry trees of the drier tropics with soil & water conservation

19 February–30 March 2007

Bangor, UK

Cost: £2550

By the end of this course students should be able to, among other things:

- assess land degradation using simple classification methods;

- describe a range of appropriate agronomic and physical measures to ameliorate land degradation in a drought prone area;
- lay out contours and small gradients using simple surveying implements;
- demonstrate an understanding of the operation of advanced surveying tools;
- describe the character and complications of dryland environments;
- quantify products from multipurpose dryland trees; and
- demonstrate an understanding of management options for securing wood and non-wood products from dryland multipurpose trees.

Agroforestry systems & practice with social issues in natural resource management

8 January–16 February 2007

Bangor, UK

Cost: £2550

By the end of this course students should be able to:

- critically evaluate agroforestry practices in temperate and tropical environments and their role within the farming and forest systems of which they form a part;
- critically evaluate the key ecological, economic and social principles underpinning agroforestry practices and be able to use these in the specification of associative tree ideotypes and in the design of agroforestry interventions;
- discuss the key social and political influences on the management of natural resources by different groups of people in particular environmental contexts;
- discuss the use of different frameworks for the analysis of rural livelihood strategies and the natural resource management systems stemming from these; and
- discuss the impacts of participatory approaches to resource management in different rural sectors.

Agroforestry systems & practice with forest ecology

8 January–16 February 2007

Bangor, UK

Cost: £2550

By the end of this course students should be able to, among other things:

- critically evaluate the key ecological, economic and social principles underpinning agroforestry practices;
- demonstrate understanding of the ecological information needed for the management and conservation of natural forests;
- analyse and interpret existing information;
- plan and carry out plant biodiversity and ecological assessments;
- analyse, present and interpret the results;
- demonstrate understanding of the principles and use of modelling, monitoring and experimentation; and
- make recommendations about the application of results for future forest assessment and management.

For more information on all these courses contact: Short Course Organiser, CAZS, CAZS Natural Resources, University of Wales, Bangor, Gwynedd, LL57 2UW, UK; Tel 44 (0) 1248-38 23 46; Fax 44 (0) 1248-36 47 17; cazs@bangor.ac.uk; www.cazs.bangor.ac.uk; www.safs.bangor.ac.uk