

ROYAL AGRICULTURAL COLLEGE MODULAR SCHEME

<i>Sheet updated: September 2010</i>		
Module code 4082	Module title Natural Resource Management	Module leader Dr John Conway
School which owns module	School of Agriculture	
Programme(s) to which module belongs	MSc International Rural Development (elective)	
Module level 7	Module credits 15	Pre-requisites None
Minimum study time 150 hours	Contact hours within study time 40	Teaching period January-May Thursdays 4:00pm
Module content This module builds on the Natural Resource Appraisal module in order to develop strategic management approaches for physical resources and biodiversity. The module reviews natural resources from global resource appraisal and how these relate to international conventions and their implementation, through national resource strategies, to the development of physical resource and biodiversity action plans for specific regions and locations.		
Module outcomes To achieve credit for this module, students must be able to: <ol style="list-style-type: none"> 1. Evaluate the strengths and limitations of international conventions and policies in relation to the protection and conservation of physical resources and biodiversity. 2. Evaluate the sustainability of selected strategies and projects aimed at managing natural resources. 3. Develop a local physical resource or biodiversity action plan (that is compatible with local and national action plans or strategies) for a named site and communicate plan to key stakeholders. 		
Assessment	Description	Weighting
Coursework	Evaluation of a biological resource strategy	30%
	Development of a local physical resource strategy	30%
Examination	Final paper (2 hours)	40%
Key Texts Students should be familiar with the content of at least one of the following: O’Riordan, T. and Stoll-Kleemann, S. (2002). <i>Biodiversity, Sustainability and Human Communities; Protecting Beyond the Protected</i> . Cambridge University Press. FAO (2002). <i>Biodiversity and the Ecosystem Approach in Agriculture, Forestry and Fisheries</i> : satellite event on the occasion of the ninth regular session of the Commission on Genetic Resources for Food and Agriculture. FAO. Mienzen-Dick, R. (2002). <i>Innovation in Natural Resource Management: The Role of Property Rights and Collective Action in Developing Countries</i> . John Hopkins University Press.		

Shenk, T. and Franklin, A. (2001). *Modelling Natural Resource Management: Development, Interpretation and Application*. Island Press.

Tivy, J. (1990). *Agricultural Ecology*. Longman.

Van Emden, H. F. (1989). *Pest Control [and its Ecology]*.

Simmons, I. G. (1981). *The Ecology of Natural Resources*. Arnold Allen and Unwin.

HMSO (1994). *Sustainable Development - The UK Strategy*.

Environment Agency (1996). *Environmental Assessment: Scoping Handbook for Projects*. HMSO London.

Canter, L. W. (1996). *Environmental Impact Assessment*.