COURSE SPECIFICATION DOCUMENT

Academic School / Department: General Education

Programme: General Education, and minor in
Environmental Studies

***FHEQ* Level:**   3

Course Title: Endangered Species, Ecology and Conservation

Course Code: ENV 3135

Course Leader: Dr. Wayne J. Clark

Student Engagement Hours: 120 (standard 3- credit BA course)
Lectures: 45
Seminar / Tutorials: 0
Independent / Guided Learning: 75

Semester: Fall, Spring, Summer

Credits: 12 UK CATS credits
6 ECTS credits
3 US credits

Course Description:
This course will introduce students to the fundamentals of the science of ecology through a study of ecosystems, conservation, biodiversity, and selected endangered or threatened species. The course will address natural and anthropogenic causes of species' decline and extinction and possible conservation techniques that are, could be, or could have been, used to reverse the extinction or decline. As well as some typical 'poster species', other less well known but equally important species will be discussed.

Prerequisite:
None

Aims and Objectives:
This course aims to expose students to an understanding of the natural and physical world around us through a basic grounding in the principles of ecology and the properties of ecosystems. In addition the course aims to introduce students to the basic history and science of conservation and the importance of biodiversity, and then apply these, along with a knowledge of ecology and ecosystems, to a study of

selected endangered or threatened species. A key theme is the environmental concept of 'interrelatedness'.

Programme Outcomes:
3A(i,); 3B(i); 3C(i); 3D(i)

A detailed list of the programme outcomes are found in the Programme Specification.

This is located at the archive maintained by the Academic Registry and found at:
http://www.richmond.ac.uk/programme-and-course-specifications/

Learning Outcomes:
By the end of this course, successful students should be able to:
1. Students should be thoroughly familiar with basic ecological principles within an environmental and ecosystem context.

2. Students should be thoroughly familiar with the basic history of conservation and the basic scientific principles that underpin conservation efforts.

3. Students should be thoroughly familiar with the basic science and principles of biodiversity.

4. Students should be thoroughly familiar with a selection of endangered or threatened species and be able to apply the basic ecology, ecosystem, conservation, and biodiversity principles from Learning Outcomes 1-3 to each endangered or threatened species.

Indicative Content:
- Basic ecology from an ecosystem and environmental perspective, and associated natural and physical science concepts
- Basic history of conservation
- Basic conservation science
- Basic principles of biodiversity
- A selection of endangered or threatened species
- The anthropogenic and natural causes of species' decline and extinction
- The application of the basic ecology, ecosystems, conservation and biodiversity shown above, to each endangered species
- The environmental concept of 'interrelatedness'

Assessment:

This course conforms to the Richmond University Standard Assessment Norms approved at Academic Board (formerly Learning & Teaching Policy Committee) and located at: http://www.richmond.ac.uk/admitted-students/

Teaching Methodology:

a) Formal lectures with PowerPoint and handouts.

b) DVDs.

c) Class discussion.

d) Reading assignments.

Bibliography:

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See syllabus for complete reading list

Indicative Text(s):
- 'Hope for Animals and Their World', Jane Goodall, Icon books, 2010
- 'Ecosystems', Gordon Dickinson and Kevin Murphy, 2nd Edition, Routledge, 2007

Journals

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Web Sites

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Change Log for this CSD:

Nature of Change	Date Approved & Approval Body (School or AB)	Change Actioned by Academic Registry
Removal of pre/co-requisite: MTH 3000 or Mathematics Assessment exemption	13-11-15 (School)	Y