Conservation Biology

CATHOLIC UNIVERSITY OF KOREA

강 의 계 획 서

2016학년도 제1학기

교과목명	국 문	보전생물학			
	영 문	Conservation Biology			
과목번호-분반	04562-01	이수구분	제1전공선택	시간/학점	3/3
요일 및 시간 (강의실)	화6(N414), 목 5~6(N414)	수강대상	Life Sciences Major (Seniors)	선수과목	
담당교수	성 명	연구실	전화번호	E-MAIL	
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Web Site			영어강의 유형	A형	

1.교과목 개요

This course provides an introduction to the scientific study and analysis of biodiversity, an overview of contemporary conservation strategies, and a survey of major threats to biodiversity and solutions to dealing with these threats.

2. 강의목표

This course aims to explore the basic principles of conservation of natural environments and biodiversity and practical applications in conservation issues.

3. 강의방법

We will mainly follow the textbook with the aid of audio-visual lecture materials. Some topics will be dealt with group discussion. Lectures, discussions and exams will be given in English only.

4. 평가방법

Midterm exam 40%, Final Exam 40%, Discussions and Reports 20%

5. 과제물

Report of the Group Discussion, Report after watching a video on nature conservation

6. 실험, 실습계획

None

7. 관련강의

Advanced Conservation Biology (Graduate Course)

8. 교재

도서명	출판사	저자	연도	교재여부
Conservation Biology	McGraw Hill	Fred Van Dyke	2003	교재
Conservation Biology: Concepts and Applications (Second edition)	Wm. C. Brown Pub. Co.	George Cox	1997	참고도서
The Conservation of Plant Biodiversity	Cambridge Univ. Press	Frankel, Brown, Burdon	1995	참고도서
Endangered Species Recovery	Island Press	Clark, Reading, Clarke (eds)	1994	참고도서
Essentials of Conservation Biology	Sinauer Associates Inc.	R. Primack	2010	참고도서
Fundamentals of Conservation Biology	Blackwell Science	M. Hunter, J. Gibbs	2007	참고도서
A Primer of Conservation Biology (3rd Ed.)	Sinauer Associates Inc.	R. Primack	2004	참고도서

도서명	출판사	저자	연도	교재여부
Conservation Biology: Research Priorities for the Next Decade	Island Press	M. Soule, G. Orians	2001	참고도서

9. 강의일정 및 내용

주	기간	강의내용	참고자료	비고
1	2016-03-02 ~ 2016-03-08	Introduction/ History and Distinctions of Conservation Biology	Chapter One	
2	2016-03-09 ~ 2016-03-15	The Legal Foundations of Conservation Biology	Chapter Two	
3	2016-03-16 ~ 2016-03-22	Values and Ethics in Conservation	Chapter Three	
4	2016-03-23 ~ 2016-03-29	Biodiversity: Concept, Measurement, and Challenge	Chapter Four	
5	2016-03-30 ~ 2016-04-05	The Historic and Foundational Paradigms of Conservation Biology	Chapter Five	
6	2016-04-06 ~ 2016-04-12	The Conservation of Genetic Diversity	Chapter Six	
7	2016-04-13 ~ 2016-04-19	The Conservation of Populations	Chapter Seven	
8	2016-04-20 ~ 2016-04-26	Midterm Exam		
9	2016-04-27 ~ 2016-05-03	The Conservation of Habitat and Landscape	Chapter Eight	
10	2016-05-04 ~ 2016-05-10	The Conservation of Habitat and Landscape	Chapter Eight	
11	2016-05-11 ~ 2016-05-17	The Conservation of Aquatic Systems	Chapter Nine	
12	2016-05-18 ~ 2016-05-24	Ecosystem Management	Chapter Ten	
13	2016-05-25 ~ 2016-05-31	Restoration Ecology	Chapter Eleven	
14	2016-06-01 ~ 2016-06-07	Conservation, Economics, and Sustainable Development	Chapter Twelve	
15	2016-06-08 ~ 2016-06-14	Professional Effectiveness and Future Directions in Conservation Biology	Chapter Thirteen	
16	2016-06-15 ~ 2016-06-21	Final Exam		