

UNIT 1: INTRODUCTION				
W	H	CONTENTS	STRATEGIES AND LEARNING PROCEDURE	ACTIVITIES
1	2	Introduction to course; How to define biodiversity, where the word biodiversity come from, levels of biodiversity.	We will discuss about the meaning of biodiversity, and about the background of the students in this concepts.	Slide presentation and discussion in class.

UNIT 2: PERUVIAN BIODIVERSITY				
W	H	CONTENTS	STRATEGIES AND LEARNING PROCEDURE	ACTIVITIES
1	2	Geographical characteristics of Peru.	The students will be able to understand why Peru has a high diversity of ecosystems, of species and also of cultures.	Slide presentation and discussion in class.
2	2	Brack's Eco-regions.	Learn and understand the different criterion that he used to classify the different regions of Peru.	Slide presentation and discussion in class.
3	2	Holdrige's Life Zones in Peru and in the U.S.	know and learn what kind of data need to be use to classify any region of the world according to Holdridge method. We will compare Peru whit the U.S. using this criterion.	Research the concept of temperature, altitude an precipitation. Research the conversion of temperature, altitude. Slide presentation and discussion in class.
3	2	The Rainforest	Learn the composition of this ecosystem. The stratification of the forest and all the effects in the fauna and flora of the forest.	Slide presentation and discussion in class.
4	1	Centers of origin of crops	Learn and value crop diversity and the origin of the main crops in the world. Understand why Peru is on of these centers.	Research what is a wild relative crop and discuss in class. Slide presentation.
5	1	Centers of endemic species and Peru as one of them.	Understand what endemic species mean. Learn why Peru is on of these centers. Know why this species are important.	Slide presentation and discussion in class.
5	1	Birds of Peru	Know and value the high diversity of this group in Peru. Understand why Peru is on of the most diverse country in birds. Understand the importance of this group.	Discussion in class and slide presentation

5	1	Mammals of Peru	Lear the main characteristic of mammals. Understand the evolution of this group. Know the different kinds of mammals and where do they live. Learn the diversity of this group in Peru.	Put forward the ideas about what a mammal is. Discuss where the different groups of mammals live, slide presentation.
6	2	The macaw project and the Psitacidae family.	Lear about this group of birds. Why are them so important for the economy of the country. Discuss the definition of flagship species.	Presentation of the Macaw Project in charge of the teacher.

UNIT 3: WORLD BIODIVERSITY					
W	H	CONTENTS	STRATEGIES AND LEARNING PROCEDURE	ACTIVITIES	
6	2	Hotspots	Understand the criterion to be considerate one of this places. Learn where this special areas are located.	Research if this places exist in the U.S. Discussion in class and slide presentation	
7	1	Mega diverse Countries	Learn witch countries conform this list and the biodiversity that you can find in this countries.	Discussion in class and slide presentation	
8	2	EBA's Endemic Bird Areas of the World	Learn about this areas and the importance to conserve them.	Assignment and presentation in class.	
8	2	Middle term exam			

UNIT 4: CONSERVATION				
W	H	CONTENTS	STRATEGIES AND LEARNING PROCEDURE	ACTIVITIES
9	1	The IUCN Red List	Lear what is this list about. Know and value the different levels of treatment. Which groups present more species on this list and why is this.	Discussion in class and slide presentation
10	2	Biosphere Reserves	Lear and understand what is a Biosphere Reserve, how did the concept star, what are the functions of this kind of areas, where are they located, what are the benefits, who is in charge and who pay for this areas.	Discussion in class and slide presentation

10	2	Natural Protected Areas in Peru	Learn and understand the criterion that is used to classified all the protected areas that we can find in Peru. Compare the differences between the Protected areas in Peru and in the U.S.Understand the importance of this areas for the conservation of natural resources.	Discussion in class and slide presentation
11	2	Natural Protected Areas in the U.	Know what kind of protected areas are present in the U.S. and understand the importance of these.	Assignment and presentation in class.
12	4	Global warming	Discussion about this delicate matter. What is the background of the students and what they think are the solutions for this problem. Learn the effects of this issue in Peru and more specifically in Cusco.	Presentation of the film: "An inconvenient truth" .Discussion in class and slide presentation.
13	2	Renewable Energy	Learn and value what is this about and the importance of this new sources of energy. Which countries are the leaders using this. Learn how can we use better energy and resources in our daily life.	Discussion in class and slide presentation
14	2	Case: Gold mining in Peru.	The students have to look through about this topic and they have to put forward what they think about all this problem in Peru. Are they agree or not. And why is this.	Assignment and presentation in class.

UNIT 5: USES OF BIODIVERSITY				
W	H	CONTENTS	STRATEGIES AND LEARNING PROCEDURE	ACTIVITIES
14	2	Ecotourism and bird watching	Understand the importance of these activity in the conservation of natural resources and also in the development of native communities. Learn the criterion to be considered Ecotourism.	Discussion in class and slide presentation
15	2	Medicinal Plant	Learn and value how native communities use plants in their daily life. Undersatnd that most of the western medicine comes from tropical rainforest.	Discussion in class and slide presentation

15	1	Genetic improvement	Learn how can wild plants can be use to improvement crops and the impacts of this activitie.	Discussion in class and slide presentation
15	2	Final Exam		