



INSTITUTO SAN JOAQUIN DE FLORES

COURSE	Forestry Management and Wetland Basins
CREDITS	3
HOURS	48 horas
CLASS SCHEDULE	
ACADEMIC TERM	
START DATE AND END DATE	
PROFESSOR	
OFFICE HOURS FOR STUDENT	

Description

The purpose of the course is to provide students with the tools and knowledge of theoretical methodology necessary to understand the management, protection and conservation of tropical forests and watersheds and the importance of a balanced development between the natural processes and the socioeconomic activities of the practices of human development.

The course will study the current state of the tropical forests and wetland basins in Costa Rica, as well as ecological aspects, biological diversity, and methodologies for the sustainable management and difficulties that lead to the loss or destruction of natural resources in the ecosystems.

Objectives

In order to fully appreciate the objectives of the course, field trips will be incorporated into the program during which the concepts analyzed in class will be put into practice along with evaluations, expositions and bibliographies.

Specific objectives:

- Know the potentials of watersheds
- Show the problems related to watersheds in tropical zones
- Apply methodologies for the sustainable management of watersheds

- Show the co-partnership of watersheds
- as a source of socioeconomic development for the country

The course is geared toward students who wish to learn about forest management, forest nurseries, biodiversity, soils, watershed management, methods for restoring areas in decline and the current set of watersheds in the tropics.

There are no prerequisites

The course includes essays about the field trips, written tests, short exams and oral presentations.

Evaluations

2 regular examinations	20% each	40%
Short quizzes	5% each	
Field work,	4 for 5% each	
Field trips	(trip to micro watershed 10%, trip to watershed 10%)	
Essays on field trips	10%	
	100% total	

Bibliography

Jiménez, F. Curso de Manejo Integrado de Cuencas Hidrográficas. CATIE. Turrialba, Costa Rica. 2004
 Alberto vasquez Rodríguez. Producción forestal- Fundamentos. Iera edición. San José, Costa Rica. EUNED, 1999.
 Rojas Rodríguez Frerddy. Plantaciones Forestales. 2da edición. San José, Costa Rica. EUNED 2001.
 Rojas Rodríguez Freddy. Viveros Forestales. 1ra edición. San José, Costa Rica. EUNED 2001.
 Jiménez, F. Curso de Manejo Integrado de Cuencas Hidrográficas. CATIE. Turrialba, Costa Rica. 2004
 Arias Jiménez Ana Cecilia. Suelos Tropicales. 2001. EUNED. 188 P.