



Universidad Juárez del Estado de Durango
Faculty of Forestry Sciences
Forestry Sciences Engineering



Learning Unit Modules
Focused in Integral Professional Competences

I. GENERAL LEARNING UNIT

1. Identification	2. Code	3. Semester	4. Training area
Sustainability of Natural Resources	8497	5°	Discipline

5. Mode					
Compulsory	X	Elective			
Classroom	X	Non-Attendance		Mixed	
Laboratory		Field practices		Guided tours	

6. Class schedule (hours per week)				
Theory	Practice	Independent study	Total hours	Credits
4	0	0	4	4

7. Person responsible for the subject.
M.A. Miguel Ángel Godoy Lizardo

II. DATA SPECIFIC LEARNING UNIT

8. Objectives
General objective. Students will obtain and use the tools to help them make key decisions for the management, economic and ecological valuation of natural resources, applying the technical, ecological, economic and social criteria for the planning, implementation, monitoring and evaluation of environmental systems in Mexico.

9. Presentation.
This basic course is for the student to understand the historical and structural view of the problem of the relationship between environment and development from a sociological perspective.

Analyze how have exploited natural resources and the environment by man for the development of the system of production in Mexico in the contemporary period. It aims to know the natural resources, with emphasis on forest resources and social groups in different regions of the country to understand the diversity of interests with respect to nature. Finally, the course aims to train students in critical view of the use of forest resources and development in Mexico, from the holistic approach to the development-environment relationship.

10. Professional competences to develop in students.

Knowledge	Skills	Attitudes	Values
Understanding the Environment and analysis of Benefits environmental and economic provides the society in general.	Understand how affects needs social, economic, political and cultural society sustainability.	Interest in preserving The nature.	Respect
Interaction between society and different ecosystems.	Encourage interaction Between society and Natural resources for Propose solutions feasible for the benefit of the society and the ecosystems.	Collaboration and participation in teamwork.	Honesty.
Capacity for know, understand and use the principles of Sustainability of the resources Natural.	Develop diagnoses, plan and evaluate programs and projects for sustainability of the resources natural.	Interest in the self-learning and continuous learning.	Responsibility.
		Open to criticism and disposition to accept them.	Solidarity.
		Provision for learn from mistakes.	
		Willingness to Collaborate in the tasks of profession.	
		Be objective in the management of information.	
		Participate in teams multidisciplinary scientific character or technologically oriented	

		to the solution of problems that afflict to the environment in general.	
--	--	---	--

11. Course topics

1. Introduction.
2. - Natural populations and their characteristics.
- 3.- Demography and human population
4. - Impact of human activities on the environment.
5. - Study, tools and alternatives for the sustainability of natural resources.
6. - Quality of life and sustainable development.

12. Evaluation criteria

Formative evaluation: 30 %
Summative evaluation: 50 %
Self evaluation: 10%
Co-evaluation: 10%
Hetero-evaluation: 0%

13. Information sources

Basic

- * Aguilar J. 2010. From Agricultural Extensionism to the CIESTAAM-UACH Innovation Networks.
- * Analysis of Cases of Territorial Management and Capacities for Territorial Development in Mexico. IICA 2013.
- * World Bank (2007). Forest Strategy. Washington.
- * Ernesto C. 2010. Environmental Science and Sustainable Development.
- * Extension and Land Management for Rural Development. IICA 2012.
- * Diaz-Escárcega, 2009. Sustainable Development, an Opportunity for Life Mc. Graw hill
- * RITTER, W. & LUEVANO, R. (2012) Complex Systems of Nature. Ed. UJED.

Complementary

- CIESTAAM, 2005. The Situation of the Forestry Subsector in Mexico before NAFTA.
- CIESTAAM, 2000. NAFTA and the Environment.