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
Forest Supply	DAF	Sixth	Disciplinary

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

6. Class shedule (hours per week)				
Theory	**Practice**	**Independent study**	**Total hours**	**Credits**
2	2	2	6	4

7. Person responsible for the subject.
Eusebio Montiel Antuna

II. DATA SPECIFIC LEARNING UNIT

8. Objectives

The student will acquire the knowledge and skills needed for the management and decision-making process for the extraction operations of forest products, in an economic and sustainable way.

Particular:

Manage the relationship of supply to demand and supply of raw matter.

Identify the forestry company as a major economic system and its most important subsystems: legal, economical and ecological, that affects forest supply.

Recognizing the features of the supplying systems usually used in the region and in Mexico.

Acquainting and apply the supplying process.

Linking the supplying process with the forest certification in all of its fields.

Acquainting and analyzing the costs in the different operations of the supplying process.

Develop a case study of Forestry Supply Planning.

9. Presentation.

Forest areas in Mexico have traditionally been exploited with the idea of least effort and lower cost, setting aside the sustainability principle. Within the forest production chain, the supplying process represents an essential stage to obtain final products, where the costs and the opportunity represent a huge part of the industry investment.

Nationally, the forest activity represent to the GDP less than 1%; In the state of Durango it becomes more important since it contributes with the 30% of the GDP statewide. The forest production has a great role in the economic and social development of our state because of the already industry installed. However, nowadays, the current supplying of raw materials represents a serious problem in the forest activity since there are no plans in short, medium or long terms, where the formation of the human resources, equipment and infrastructure combine, the sustainability of the forested areas is put in danger.

10. Professional competences to develop in students.

Knowledge	Skills	Attitudes	Values
• Forest use techniques that carry a sustainable management of forest resource. • Models for optimizing the transformation of raw material into forest products with a higher added value.	•Designing and adapting forest use techniques that carry a sustainable management of forest resources. •Implement techniques for modifying, innovating and applying modern technology for increasing the sustainable production of forest ecosystems. •Developing diagnosis, planning and	Interest in preserving nature. Collaboration and participation in team Works. Interest in self- learning and continuous learning. Open to criticism and with availability to accept them.	Respect. Honesty. Responsibility. Commitment. Ethics.

	assessing the way forest activity affects social, economical political and cultural society needs.		

11. Course topics	
-General Concepts of Supplying. -Analysis of the forest industry nationally and statewide, installed capacity versus exploited volumes. -Field practice 1 -Internal and external analysis of the forest industry, relationship with others subsystems. -Land tenure, internal and external market of raw materials. -Measurement systems and purchase and sale contract of raw materials. -Supplying systems. -Field practice 2 -Planning and organization of the supplying. -Forest supplying operations.	-Technologies in forest supplying. -Forest roads generalities and their impact. -Forest roads networks. -Costs analysis in the different stages of the supplying. -Field practice 3 -Data analysis for the supplying decision-making. -Case study in forest supplying.

12. Evaluation criteria
Formative evaluation Summative evaluation Self assessment Co-evaluation Hetero-evaluation Final work

13. Information sources
Basic

COMISIÓN NACIONAL FORESTAL. Evaluación de costos de Extracción y Abastecimiento de Productos y Plantaciones Forestales Comerciales. 2013

HERNANDEZ DIAZ J.C. Análisis del Costo de Flete de Trocería y Propuestas para Reducirlo. INIFAP-SAGAR Julio de 1999.

HERNANDEZ DIAZ J.C. Notas de Abastecimiento de Productos Forestales Maderables. 1990.

HERRERA C .JC. Caminos Forestales. Antología. Facultad de Ciencias Forestales de la UJED. Durango Dgo. Mex. Septiembre del 2004.

TOLOSANA E. GONZALEZ V. M. VIGNOTE S. El Aprovechamiento Maderero. Mundi Prensa. Madrid España 2000.

VIGNOTE P. JIMENEZ P. Tecnología de la Madera. Ministerio de Agricultura Pesca y Alimentación. Madrid España 1998.

Vargas, C. R. 1983. Logging in México: Current problems and proposals for their solution. Profesional Paper. Colorado State University, USA. 133 p.

Complementary

Serie de Videos de “Leñadores” de History Channnel.

WWF, Global Forest and Trade Network

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www.planeta.com/ecotravel/mexico/mexparks.html

www.conafor.gob.mx/programas_nacionales_forestales/

www.uaaan.mx/academic/lic/lic_02.htm

www.mexicoforestal.gob.mx/glosario_forestal_todos.php