

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 Measuring	DMF20	Fourth	Discipline

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

6. Class shedule (hours per week)							
Theory	Practice	Independent study	Total hours	Credits			
3	1	1	5	5			

7. Person responsible for the subject.

Francisco Javier Compeán Guzmán

I. DATA SPECIFIC LEARNING UNIT

8. Objectives

Measure in all its dimensions the forests, forest areas and all items associated with an ecosystem from a static point of view. Make the resource inventory and forest products.

Measure in all its dimensions the forest areas, forestry and all items associated with an ecosystem from a point of dynamic. Calculate the indicators growth, development and increase of the species in a forest ecosystem in each one of their phenological stages.

To determine site indices, biometric models, and other curves that show the amount and quality of the biotic and abiotic factors of forest ecosystems.

9. Presentation.

Biogeography as an interdisciplinary science seeks to integrate the evolutionary relationships between organisms and their ranges from eco-geographical and paleontological information, and requires basic knowledge and contributions from other sciences such as comparative biology, taxonomy, evolutionary biology and ecology. This course is located in the area of basic training, and other subjects required to be carried in previous and current semesters.



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11. Course topics

Unit I: Introduction and background of measurement and Unit II: Measurement of trees, dendrometer variables Unit III: Measurement of trees, logs, and forest products Unit IV: Biological Basis of the growth and increasing in the trees and forest masses Unit V: Growth and increasing the tree

Unit VI: Increase and performance of the masses and forest site quality

12. Evaluation criteria

Formative evaluation Summative evaluation Self assessment Co-evaluation Hetero-Evaluation

13. Information sources Basic

Romahn V., C. F., H. Ramirez M. and J. L. Trevino G. 1994. Placement. Autonomous University of Chapingo. Chapingo, Mex. 354 P.



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Carrillo E. G. 1998. Epidometria. Autonomous University of Chapingo. Chapingo, Mex. 187 P. Mass P., J. 1970. Instructive to perform analysis trunks. Bull. Tec INIF. Mexico, D. F. 10 p.

Complementary

Romahn V., C. F. and J. C. Ayala S. 1994. Placement; Practices and laboratories. Academic support Series No. 36. 2A. Reprint. Division of Forest Sciences. UACh. Chapingo, Mex. 48 P.

Klepac, D. 1976. Growth and increasing masses of trees and forest. Department of Forests. ENA. Chapingo, Mex. 355 P.

Zepeda B., E. M. 1983. Analysis of ten procedures for estimating volumetric increases of conifers. Professional thesis. Department of Forests. UACh. Chapingo, Mex. 632 P.