



*Learning Unit Modules*  
*Focused in Integral Professional Competences*

**I. GENERAL LEARNING UNIT**

<b>1. Identification</b>	<b>2. Code</b>	<b>3. Semester</b>	<b>4. Training area</b>
Afforestation	DRF24	Fourth	Discipline

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

<b>6. Class shedule (hours per week)</b>				
<b>Theory</b>	<b>Practice</b>	<b>Independent study</b>	<b>Total hours</b>	<b>Credits</b>
2	2	1	5	5

<b>7. Person responsible for the subject.</b>
Eduardo Rodríguez Simental

**II. DATA SPECIFIC LEARNING UNIT**

<b>8. Objectives</b>
<ul style="list-style-type: none"> <li>Knowing the regulations concerning reforestation</li> <li>Understand and interpret the stages of reforestation.</li> <li>Develop reforestation projects</li> <li>Run reforestation projects</li> <li>Monitor and evaluate reforestation projects</li> </ul>

<b>9. Presentation.</b>
Learning unit reforestation, aims to integrate both theory and practice to carry out projects that help to restore degraded forest lands. Requires prior knowledge in forest soils, ecology, taxonomy, forestry, plant physiology, forest nurseries and other subjects taught in previous and current semesters. This course is part of the disciplinary training area in which the knowledge, skills and attitudes that a forestry engineer must have.



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<b>10. Professional competences to develop in students.</b>			
Knowledge	Skills	Attitudes	Values
<p>Forest use techniques that carry a sustainable management of forest resource.</p> <p>Information Geographic Systems as tools of the present technology for supporting in decision making that carry a sustainable management of forest resources.</p>	<p>Designing and adapting forest use techniques that carry a sustainable management of forest resources.</p> <p>Applying geographic information systems as tools of today's technology for support in making decisions leading to sustainable management of forest resources.</p>	<p>Interest in preserving nature.</p> <p>Collaboration and participation in team Works.</p> <p>Interest in self learning and continuous learning.</p> <p>Open to criticism and with availability to accept them.</p> <p>Willingness to cooperate in the work of the profession.</p>	<p>Respect.</p> <p>Honesty.</p> <p>Responsibility.</p> <p>Commitment.</p> <p>Ethics.</p> <p>Unit</p>

<b>11. Course topics</b>
<p>Unit I: Introduction and Overview</p> <p>Unit II: The reforestation project</p> <p>Unit III: Ecological basis for afforestation.</p> <p>Unit IV: The quality of the plant for reforestation</p> <p>Unit V: Preparing the ground</p> <p>Unit VI: Reforestations Methods</p> <p>Unit VII: Cultural treatments</p> <p>Unit VIII: Tracking and monitoring afforestation</p>

<b>12. Evaluation criteria</b>
<p>Formative evaluation</p> <p>Summative evaluation</p> <p>Self assessment</p> <p>Co-evaluation</p> <p>Hetero-Evaluation</p>

<b>13. Information sources</b>
<p><b>Basic</b></p>



UNIVERSIDAD JUÁREZ DEL ESTADO DE DURANGO  
FACULTY OF FORESTRY SCIENCES  
Forestry Sciences Engineering



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MUSALEM M. A. y FIERROS A. M. 1979 Viveros y Plantaciones Forestales. UACH Departamento de Bosques. México. 249p

ANGELES L. J. 1989. Reforestación: Sistemas y Métodos de Reforestación Artificial. Boletín Técnico No 10. Comisión Forestal del Estado de Michoacán. México. 79p

SERRADA, R. 2000. Apuntes de Repoblaciones Forestales. FUCOVASA. Madrid. 77 p.

**Complementary**

NIEMBRO R. A. 1980. Reproducción Sexual en Especies Forestales. UACH Departamento de Bosques. México. 69pp

VAZQUEZ C. R. 2002. Ecología, Recursos Naturales y Conservación. Publicaciones Culturales. México. 171pp

<http://www.ccmss.org.mx/>

[http://www.conafor.gob.mx/programas\\_nacionales\\_forestales/silvcultura](http://www.conafor.gob.mx/programas_nacionales_forestales/silvcultura)