

## FOR — Forestry Management Tech

### **FOR 102 Multiple Use of Forest Lands 3-0-3**

This course is a study of how the forest serves the multiple purposes of recreation, wildlife, watershed and range, as well as producing timber crops. It examines the relationship between the public and private sectors in achieving these different demands placed on the forest community.

### **FOR 105 Equipment Basics & Safety 3-0-3**

This course is a study of the design, selection, operation, and maintenance of various types of equipment used in the timber industry including aspects of industrial safety, basic first aid and CPR techniques. Chainsaw operation is included.

### **FOR 106 Computer App in Natural Res 2-3-3**

This course is a study of basic computer applications that are used in natural resource professions. Topics include word processing, spreadsheets, and constructing aesthetic graphs, diagrams, maps and other visual material.

### **FOR 118 Forest Drafting 1-3-2**

This course covers principles of technical drawing and technical lettering. It provides the drafting background needed for surveying and map drawing.

### **FOR 121 Woodland Safety and First Aid 1-0-1**

This course covers the general first aid practices and safety procedures that are required in outdoor work. Emphasis is placed on first aid techniques one might need until competent medical help arrives. Student will be offered training in First Aid, CPR, Blood Borne Pathogens, and automatic defibrillator.

### **FOR 130 Dendrology 2-3-3**

This course is a study of the characteristics and uses of important trees, shrubs, and lesser vegetation of the southern forest. It includes collecting, mounting, and identifying approximately 130 species by leaf, twig, bark, and growth characteristics.

### **FOR 140 Timber Harvesting Operations 1-6-3**

The analysis of logging situations & decision-making regarding timber harvesting. A study of various equipment & tools used in forestry operations, techniques of operating & maintaining equipment, & costs involved in conducting harvesting operations. A review of timber trespass laws is included.

### **FOR 154 Mensuration 3-0-3**

This course is a study of the techniques and instruments used in the measurement of standing or harvested trees. The use of log rules, volume tables, yield tables, and elementary statistics are included.

### **FOR 156 Timber Cruising and Marketing 3-3-4**

**Prerequisites:** FOR 154

This course is a study of the three systems of estimating volumes and values of standing timber--strip, plot, and prism. Stand analysis, dominant tree data, and statistical data are also collected and analyzed.

### **FOR 180 Timb Indus & Assoc Gov Standar 3-0-3**

**Prerequisites:** FOR 105

This course is an introduction to the study of the Forest Products Industry, including operations and site organization and required government standards.

### **FOR 206 Forest Ecology 3-0-3**

This course is a study of the nature of forests and forest trees, how they grow, reproduce, and their relationships to the physical and biological environment.

### **FOR 220 SCWE in Forestry 0-3 2-8**

**Prerequisites:** FOR 154 and FOR 156 and FOR 130

This course is a study of the problems of day to day natural resource operations. Employment in an approved forest or natural resource related industry or agency is required.

### **FOR 230 Forest Products 2-0-2**

**Prerequisites:** FOR 130

This course is a study of the various forest industries, including the manufacturing process and material produced. Grading specifications, raw materials, by-products, labor, and markets by specific products are included.

### **FOR 240 Mapping and Photo Inter 2-3-3**

**Prerequisites:** FOR 106

This course is a study of the mechanics of mapping forest lands with emphasis on the use of aerial photographs. It includes calculation of land area by transit, dot-grid, and polar planimeter methods as well as taking measurements and identifying objects from aerial photographs.

### **FOR 257 Forest Ecology 2-0-2**

**Prerequisites:** FOR 130

This course covers the scientific foundations on which cultural practices are based. It also includes the affects of environment upon tree growth and distribution and the inter-relationships which take place between a tree or forest stand and the environment.

**FOR 258 Forest Surveying and Eng** 3-3-4

This course covers the use of surveying and engineering as adapted to forest management. The use of the hand compass, staff compass, transit, and level in locating old boundary lines as well as procedures for recording and looking up deeds are included.

**FOR 263 Forest Management** 2-6-4

**Prerequisites:** *and FOR 154 and FOR 156 and FOR 271*

**Corequisites:** *FOR 240*

This course examines the tools and techniques used in constructing formal management plans for forests. Subdivision of the forest for management purposes, regulation, and regeneration are included.

**FOR 265 Equip and Timber Harvesting** 3-3-4

**Prerequisites:** *FOR 154 and FOR 156*

**Corequisites:** *FOR 269, MAT 120*

This course covers the analysis of logging situations and decision-making regarding timber harvesting. A study of the various equipment and tools used in forestry operations, techniques of operating and maintaining equipment, and harvesting operations and the costs involved are included.

**FOR 268 Forest Protection Practices** 3-3-4

This course covers forest fires and the major insects and diseases which attack southern forests. Methods of prevention and control are explored.

**FOR 269 Forestry Stat & Data Proc** 2-3-3

**Prerequisites:** *FOR 154 and FOR 156 and FOR 106*

This course covers measuring, recording, and summarizing various forestry field data and its presentation in technical form. Basic statistical and finance computations, interest, and discount computations are included.

**FOR 271 Silviculture** 3-3-4

**Prerequisites:** *FOR 154 and FOR 156*

This course covers the treatment of forest stands to achieve prescribed objectives. Specific topics include intermediate forest management practices, the four basic harvest methods, and regeneration of trees.