

Jones County Junior College  
Career and Technical Education Division  
Catalog Addendum  
2008-2010

Addendum # 14  
November 6, 2009

The following changes/additions have been made to the curriculum of the Forestry Technology Program in the 2008-2010 Course Catalog:

A new course has been added to the elective course offerings:

**GIT 2263 Advanced Geographical Information Systems.**

This addition will become effective for the Spring 2010 session.

All changes/additions are noted below in red.

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(Pages 226-227)

**Forestry Technology**

**FOT 1114** – Forest Measurements I – Prerequisite: None. A course covering fundamentals of forest measurements. Includes instruction in locating land on a map, applying sampling techniques, processing and summarizing field data. Four semester credit hours: Two hours lecture and four hours lab.

**FOT 1124** – Forest Measurements II – Prerequisite: Must have passed Forest Measurements I, with a grade of C or better before moving on to this course. A continuation of Forest Measurements I with emphasis on electronic and computer applications in forest measurements. Four semester credit hours: Two hours lecture and four hours lab.

**FOT 1314** – Forest Protection – Prerequisite: None. A course in methods and techniques for protecting forests from fire, insects, and disease damage. Includes instruction in prescribed burning procedures. Four semester credit hours: Two hours lecture and four hours lab.

**FOT 1414** – Forest Products Utilization – A survey of wood and forest products processing operations. Includes instruction in principles related to forest products processing and their applications. Four semester credit hours: Two hours lecture and two hours lab.

**FOT 1713** – Applied Dendrology – Prerequisite: None. A study of trees, including their identification, classification and commercial use. Three semester credit hours: One hour lecture and four hours lab.

**FOT 1813** – Introduction to Forestry – Prerequisite: None. A study of the development of the forest industry in Mississippi and the United States. An exploration of occupational careers in forestry, including forest products industries. Includes common terms used in forest occupations. Three semester credit hours: Three hours lecture.

**FOT 2213** – Advanced GIS/GPS in Forestry – Prerequisite: None. A study of the usage of remote sensing, interpretation, and application of aerial photos and other remote sensing images in forestry. This course also includes applications of Geographic Information Systems and Global Positioning Systems. Three semester credit hours.

**FOT 2424** – Timber Harvesting – Prerequisite: None. A course dealing with harvesting practices, including development of timber harvesting regulations, harvesting plans and best management practices, and timber contracts. Includes observations of logging operations. Four semester credit hours: One hour lecture and six hours lab.

**FOT 2614** – Silviculture I – Prerequisite: None. A course dealing with the growth and development of trees and stands. Includes instruction in principles of tree and stand growth and development, regeneration, and intermediate cuttings. Four semester credit hours: Two hours lecture and four hours lab.

**FOT 2624** – Silviculture II – Prerequisite: Must have passed Silviculture I with a grade of C or better before moving on to this course. A continuation of Silviculture I with emphasis on regeneration and site preparation practices. Four semester credit hours: Two hours lecture and four hours lab.

**FOT 2913** – Special Problem in Forestry Technology – Prerequisite: Minimum of 12 semester credit hours of Forestry Technology related courses or consent of instructor. A course designed to provide the student with practical application of skills and knowledge gained in other Forest Technology courses. The instructor works closely with the student to insure that the selection of a project will enhance the student's learning experience. This course is designed to be taken the last semester the student is enrolled in the program in order to take advantage of the knowledge gained in the other courses. Three semester credit hours: One hour lecture and five hours lab.

**FOT 292(1-6)** – Supervised Work Experience in Forestry Technology – A course which is a cooperative program involving students, employers, and educational staff and is designed to integrate the student's technical studies with real world situations. Variable credit is awarded on the basis of one semester hour per 45 contact hours. (1-6 semester credit hours; 3-18 lab hours.)

**GIT 2123** – Fundamentals of Geographic Information Systems (GIS) – This course includes the use of computer mapping and databases in multiple applications. Included are incorporating imagery and data into a geographical oriented database system. Also included are the fundamentals of geographic information systems techniques, approaches, applications, and GPS. Three semester hours credit.

**GIT 2263 Advanced Geographical Information Systems.** (Pre-requisites: FOT 2213, GIT 2123, or GEO 2313). This is an integrated course that encompasses geographical data inputs, processing, analyses, and presentation. 3 semester credit hours: One hour lecture and four hours lab.