Common Course Numbering System

Your current Institution is CCCS

Searching Current Courses For Spring 2015

Course: EIC 141
Title: Overhead Power Systems
Long Title: Overhead Power Systems
Course Description: Learn safety practices, terminology, material identification, construction standards as per specification books, equipment identification and use, pole climbing, and overhead construction.
Min Credit: 9
Max Credit:

Course Notes: Entered new course 4/15/08 s@
Origin Notes: TSJC

STANDARD COMPETENCIES:

I. A. Demonstrate and apply safety standards used in the workplace.

B. Apply terminology relative to the line technology field: map reading, work order interpretation, etc...

C. Identify material and its application.

D. Apply appropriate construction standards as per specification books.

E. Identify and exhibit proper use of heavy line equipment and related tools.

F. Demonstrate rescue procedures.

G. Demonstrate proper pole climbing techniques.

TOPICAL OUTLINE:

I. Safety Attitudes ¿ Importance and proper usage of:

A. Hard hats, safety glasses and personal protective equipment

B. Rubber gloves, sleeves, blankets and line cover

C. Climbing equipment and hand tools

D. Construction/Maintenance tools and equipment

II. Rigging- Ropes, Slings and Associated Tools, Equipment & Material

A. Storing of

B. Care of

C. Proper use of

D. Knot tying and splicing

E. Hand lines, slings, blocks and associated rigging

III. Operation of the Digger and Bucket Trucks, Trenching and Backhoe

A. Safety checks

B. Proper use of hand signals

C. Maintenance

D. Digging holes and setting poles

E. Boom Rating Chart usage and safe rigging processes

IV. De-energized Line Maintenance (Test equipment)

A. De-energizing live lines

B. Grounding the line for personal protection

C. Test procedures and related equipment

V. Overhead Line Construction Methods

A. Use of the N.R.E.A. specification book

B. Insulator changes and tying-in

C. Secondary and Service systems

D. Pole framing

E. Conductor stringing and splicing

F. Pole setting

Course Offered At:

Trinidad State Junior College TSJC