



## **CRPT 1415 CONVENTIONAL WALL SYSTEMS SYLLABUS/COURSE OUTLINE**

### **COURSE DESCRIPTION**

CRPT 1415 CONVENTIONAL WALL SYSTEMS (4-3-3). Instruction on conventional wall and floor systems, installation of trusses of wood frame construction. Topics include math to solve construction problems, identification of components, slab and building layout, build up of floor and wall members, construction of a floor and wall system and layout and installation of wood trusses.

Prerequisites: CNBT 1411 or department approval.

### **OBJECTIVES**

Upon successful completion of this course, the student should be able to:

- Perform a material takeoff and cost estimate
- Perform building layout
- Construct a wood floor frame
- Install plywood subfloor
- Layout wall locations according to floor plan
- Calculate door and window rough openings
- Calculate header length
- Frame, brace, stand, align and plumb walls
- Set and brace roof trusses
- Identify important details of managing a framing project



## **CRPT 1415 CONVENTIONAL WALL SYSTEMS STUDENT RESPONSIBILITIES**

Students are expected to:

- Attend and be productive at all class meetings
- Practice safety procedures at all times
- Bring the following tools and supplies to each class:
  - Safety glasses
  - 16oz. hammer or larger
  - 25' tape measure or larger
  - speed square
  - nail apron
  - pencils
- Dress appropriately – no sandals or open toe shoes