

**COCONINO COMMUNITY COLLEGE**  
**COURSE OUTLINE**

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Status: Permanent

Date: October 2, 1992  
March 4, 2004  
Spring 2005  
Spring 2008

A. Identification:

1. Subject Area: Construction Technology Management
2. Course Number: CTM 123
3. Course Title: BUILDING CONSTRUCTION METHODS I
4. Credit Hrs: 3
5. Catalog Description:

Fee: \$20.00
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Floor foundations and interior/exterior framing, including various types and methods of building foundations and framing systems. Two lecture Two Lab.

B. Course Goals:

1. Emphasis will be placed on early hazard recognition, safe operation of trade tools and equipment, and job site safety.
2. Train students to work safely on a construction site.
3. Know how to safely transport and handle construction materials and equipment, set-up scaffolding, prevent falls, and recognize shop/job site hazards.
4. Properly install trench shoring for safety.
5. To provide the students with basic construction site layout techniques.
6. To provide the students with basic knowledge of concrete for foundations and formwork.
7. Introduce carpentry framing for floors.

C. Course Outcomes:

Students will:

1. Demonstrate the safe use of a variety of construction trade related hand and power tools and equipment.
2. Identify all basic instruments and tools used in concrete, foundations and framing construction.
3. Demonstrate the use and care of masonry and concrete tools.
4. Describe a variety of structural considerations for proper design and installation of a building foundation.
5. Describe a variety of foundation types and related materials.

6. Describe a variety of structural considerations for proper design and installation of a floor framing platform.
7. Demonstrate the use and care of carpentry framing tools and equipment.
8. Describe the various framing materials and terminology.
9. Demonstrate the ability to frame a floor platform.

D. Course Content:

Will include:

1. Part 1: Introduction of construction safety & job site hazard recognition.
2. Part 2: Introduction and overview of concrete
3. Part 3: Introduction and overview of footings & foundations
4. Part 4: Introduction and overview of floor framing systems. .

Revisions:

Prefix/Title change December 8, 1993/NLN (was CRP-180)

Format/consistency change September 23, 1994/JJ

Format changes FALL 1996.amk