



Fundamentals of Construction – CON101

Lectures: 3 sessions / week, 1.0 hour / session
8 weeks

Prerequisites

N/A

Course Description

This course provides an introductory understanding of Blueprint Reading and Permit requirements. By providing the basic tools and equipment, students will become more versed in basic construction operations and gain perspective in what's required to access the industry.

Course Overview

Session #	Topics	Key Dates
1-3	Introductory Craft Skills	
4-6	Introduction to Material Handling	Team Paper Due
7-9	Safety	
10-12	Framing	Individual Project Paper Due
13-14	Roofing	
15-17	Exterior	Team Paper 2 Due
18-20	Landscape Designer	
21-22	Inspection/Quality Control	Final Individual Paper Due

Course Requirements

Students will be graded on class participation; team papers and teaching exercises, and on two individual papers, 2 - 3 pages in length.

Activities	Percentages
Class Participation	40%
Team Response papers (2) and Team Building Exercises	25%
Individual Project Paper	15%
Individual Final Paper	20%

In all cases, the students' contributions will be evaluated from the standpoint of their growth throughout the course. Visual, audio, reading, and kinetic elements are included in the learning environment to assist in each student's processing of information. All assignments are designed



to encourage the student to own the information, develop practical applications, and demonstrate employability skills.

Recommended Resources and Materials

Occupational Safety and Health Administration. (2015). *OSHA Safety and Health Program Management Guidelines*. www.osha.gov.

National Center for Construction Education and Research. (2019). Core Curriculum. https://www.nccer.org/docs/default-source/catalog/2019-nccer-catalog-core.pdf?sfvrsn=4483144f_2.