

» Course Overview

In Principles of Architecture, students will review various concepts used in the design and architecture field. They will learn about basic drafting equipment and how to use and maintain it. They will analyze challenges and solutions within the development of design. They will also learn how to prepare drawings manually and using AutoCAD software. A substantial portion of the course will be spent on sequential processes so that students develop an understanding of creating and annotating drawings as well as how to apply standard rules regarding line types, offset objects, creating layers, and setting up a page for plotting. They will also explore three-dimensional drawing and use coordinating and navigation systems to create them.

» **Course Preview Video:** <https://www.pointfuleducation.com/principles-of-arch-preview-video>

» Course Outline by Module

Module 1	Basic Drafting	Module 8	Sequential Processes Part I
Module 2	Design and Drawings Part I	Module 9	Sequential Processes Part II
Module 3	Design and Drawings Part II	Module 10	Sequential Processes Part III
Module 4	Design and Drawings Part III	Module 11	Sequential Processes Part IV
Module 5	Dimensioning and Annotation	Module 12	Sequential Processes Part V
Module 6	Working Drawings	Module 13	Three-Dimensional Drawing Part I
Module 7	Pictorial Drawings and Surface Developments	Module 14	Three-Dimensional Drawing Part II

» Instructional Components

Pointful Education Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, Pointful Education maintains a consistent and engaging course structure that supports student-centered learning.

Course Structure



Instruction
55%



Projects
5%



Reflections
14%



Concept Checks
11%



Exams
11%



Written Assignments
5%