

**Cullman High School  
Computer Aided Drafting & Design  
(Home Design)**

**Architectural Design II**

**COURSE SYLLABUS**

**PREREQUISITES:** Intro to Architectural Design (Home Design)

**COURSE DESCRIPTION:**

Architectural design II is a one-credit course that provides students with instruction regarding more advanced and detailed architectural plans. Topics include multilevel floor plan layout. Building specifications, detailing, plumbing and electrical plans with basic site plan layout. Students are encouraged to research and develop a career readiness project upon successful completion of this course, students are able to organize, layout, and draw more advanced level residential architectural plans.

**Suggested grade level: 10-12    1 Credit**

**COURSE OUTLINE:**

Multilevel Residential Floor Plans

1. Style
2. Overall Size Requirements
3. Interior Room Design
4. Window and Door Selection and Placement
5. Basement Plan

Building Specifications

1. Cost Estimates

Miscellaneous Details

1. Typical Stair Detail
2. Kitchen Cabinet Detail
3. Fireplace Detail

Elevations

1. Front, Rear, & Side Elevation

Roof Design

1. Roof Plan

Site Plan

1. Site Layout
2. Site Plans
3. Topo Plans
4. Grade Elevations

**GRADING:**

The following areas will be graded.

- Various tests            15%
- Class participation    15%
- Drawing                    70%

**COURSE GOALS & INSTRUCTIONAL PHILOSOPHY:**

Students will begin the curriculum for a career objective of becoming a drafter. The end goal is to be employed as an entry-level drafter and/or continued schooling.

**FEES:.....\$10.00**

Fees used for consumable supplies i.e.; plot/printer paper, ink, floppy disks etc.