

Name of School:

Name of Course: **Architectural Drafting**

### **Instructor Information**

**Name:**

**E-mail address:**

**School phone number:**

**Web page address:**

**Best times to be reached:**

### **Course Description**

This course will teach the basic skills needed to draw plans for homes. Students will learn construction techniques to build structures. Hand drafting tools and computers will be used in this class.

### **District Standards and Power Benchmarks**

#### **Power Standards**

Students will be able to:

1. To provide the basic information necessary for planning various types of structures.
2. Develop the necessary technical skills to communicate architectural concepts in an understandable, efficient and accurate manner.
3. Utilize the latest products and building techniques to incorporate communication and architectural career opportunities.

#### **Power Benchmarks**

Students will be able to:

1. Exhibit knowledge of drafting standards.
2. Design a set of plans using sketching and drafting tools.
3. Know the required drawings needed to make a set of construction plans.
4. Develop a set of construction plans.
5. Demonstrate proper dimensioning rules used on architectural plans.
6. Draw section drawings for a set of plans.
7. Demonstrate the knowledge of a CAD system.
8. Operate a CAD program to produce a set of plans.
9. Demonstrate presentation methods.
10. Students will be exposed to careers in Architectural and related fields.

### **Course Information**

Course length 2 consecutive terms  
Elective course  
1.0 credits  
No prerequisites required, but Engineering Drafting is encouraged.

### **Course Outline/Calendar**

Completion of all reading and writing assignments, assigned sketches and drawings, small shed plans, house plans (using hand and CAD tools), as well as quizzes, tests, and exams on information covered, a notebook/portfolio of all work assigned.

### **Text/Other Required Materials/Resources**

**Drafting and Design for Architecture**, Hepler, Wallach, Hepler  
2" three ring binder is required.

### **Instructional Procedures & Support**

The class consist of discussion, worksheets, hands-on activities, co-operative activities, test, and lab reports.

### **Classroom Management Procedures**

1. Treat all classmates and instructor with respect at all times.
2. Attendance and punctuality procedures in student handbook. Be on time!
3. Students are responsible to for all missing assignments.
4. No food or drink in the classroom.
5. No electronic devices eg. Cell phones, I-pods, and cameras
6. Have notebook and pencil every day.

### **Assessment Plan**

Daily performance, work accomplished, quality of work completed, sketches , drawings, quiz's, test, and exams results, all averaged on a total points accumulated / points possible (100%)

### **Grading System**

- |   |            |
|---|------------|
| A | 100% - 90% |
| B | 89% - 80%  |
| C | 79% - 70%  |
| D | 69% - 60%  |
| F | 59% - 0%   |