

ARCHITECTURAL DRAFTING  
GRADES 11-12

(1 Semester - Prerequisite: Introduction to Computer Aided Drafting)

COURSE OVERVIEW:

Architectural drafting is an advanced course in drafting. Students will develop a basic understanding of floor plans and the specifications that go into the developing of today's homes and light commercial buildings. Floor, foundation, and site plans will be developed using computer software.

UNITS OF INSTRUCTION:

- UNIT I - Introduction to Computer Network Operation
- UNIT II - Introduction to Computer Aided Drafting
- UNIT III - Introduction to the World of Architecture
- UNIT IV - Introduction to Working Drawings
- UNIT V - Residential Design
- UNIT VI - Light Commercial Design
- UNIT VII - Dimensioning
- UNIT VIII - Foundations
- UNIT IX - Site Considerations
- UNIT X - Structural Systems and Building Materials

STUDENT OUTCOMES:

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| 1. | Students will become familiar with structural systems in use today.          |
| 2. | Students will become familiar with various architecture reference materials. |
| 3. | Students will design, sketch, and draw several architectural plans.          |

MAJOR LEARNING EXPERIENCES TO ACHIEVE OUTCOMES:

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| 1. | Students will design, sketch, and draw floor and site plans for a small summer cottage.  |
| 2. | Students will design, sketch, and draw floor and site plans for a two-story apartment building.<br>Students will design, sketch, and draw the necessary plans for a project of their choice. |
| 3. | Students will demonstrate through various assessments an understanding of the concepts and vocabulary of architectural drafting.   |
| 4. |  |

ADOPTED TEXT OR PRINCIPAL MATERIALS USED:

Kicklighter. <i>Architecture - Residential Drawing and Design</i> . South Holland: Goodheart-Wilcox Company, 2000.
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(04/12/00)