

**Course Outline**  
**CADD 202**  
**Introduction to Architectural Computer-Aided Design/Drafting**  
**3 semester hours**

**The Community College of Baltimore County**

**Description**

Introduction to Architectural Computer-Aided Design/Drafting

Introduces production of 2D architectural drawings on a CAD system; includes basic CAD terminology, concepts, and system principles and examines storage, retrieval, data extraction, and plotting procedures. Architectural Desktop<sup>®</sup> is used in this course.

*3 credits; 2 lecture hours and 3 laboratory hours per week. Prerequisites: CADD 101 (conc) and CONT 101 (conc).*

**Overall Course Objectives**

Upon completion of this course the student will be able to:

1. Discuss current trends in architecture.
2. Recognize the four basic house designs.
3. Describe the basic construction drawings used to build a structure.
4. Implement important design considerations residential dwellings.
5. Integrate furniture into a room plan.
6. Create a plot plan using correct symbols and conventions.
7. Discuss design considerations for wood, concrete, and masonry foundation walls.
8. Demonstrate an understanding of the principles involved in post and beam construction.
9. Use the automated features of Architectural Desktop<sup>®</sup>.
10. Create a floorplan using accepted symbols and techniques.

**Major Topics**

1. Architectural Trends
2. Architectural Desktop<sup>®</sup> Features
3. Basic House Design
4. Primary Consideration in Architecture Design
5. Room Planning
6. Plot Plans
7. Footings, Foundations, and Concrete
8. Post and Beam Construction
9. New Products and Methods of Construction
10. Dimensioning and Plotting

## **Course Requirements**

Grading/Exams: Grading procedures will be determined by the individual faculty member and will include the following:

1. Graded exercises
2. Periodic tests
3. Comprehensive final examination
4. Class participation

## **Other Course Information**

This course is a core course in the CADD curricula.  
This course is taught in a computerized environment.  
There are 2 lecture and 3 laboratory hours per week.