



COURSE SYLLABUS

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COURSE: DFT 115 ARCHITECTURAL DRAFTING

HOURS: Lecture: 1 Lab/Shop: 2 Work Exp/Clinical: 0 Credits: 2

COURSE DESCRIPTION:

This course introduces basic drafting practices used in residential and light commercial design. Topics include floor plans, foundations, details, electrical components, elevations, and dimensioning practice. Upon completion, students should be able to complete a set of work drawings for a simple structure.

PREREQUISITE(S): DFT 151

COREQUISITE(S): None

TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

To Be Determined

OTHER REQUIRED SUPPLIES AND MATERIALS:

USB personal jump drives, connected to the laboratory computers, to save class work, tests, and final exam.

STUDENT LEARNING OUTCOMES:

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

1. Use the in-house CAD software to apply the basic drafting practices in residential and light commercial designs, draw floor plans, foundations, details, electrical components, elevations, and dimensioning practice.
2. Produce and plot, using the in-house plotter/printer, 2-D and 3-D buildings plans, and in harmony with the ANSI and ISO scales and paper sizes.
3. Discuss the use the CAD software (Written in 16 languages) in other countries and its impact on products drawings, design, manufacturing, employment, and the economy.
4. Use the internet to navigate through websites related to CAD applications, vendors' updated software releases, CAD related publications/ magazines, societies, and the American Design and Drafting Association (ADDA).
5. Collect and apply standard drafting practices, as part of the preparation process, for the National Certification Exam with ADDA during the coming Summer.

*****Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**