**SYLLABUS**

**DIVISION:** Business & Engineering Technologies **DATE**: **Fall 2012**

**CURRICULA IN WHICH COURSE IS TAUGHT:** Building Trades

**COURSE NUMBER AND TITLE**: DRF 165 Blueprint Reading

**CREDIT HOURS:** **3**-**4 HOURS/WK. LEC**: **2-4** **HOURS/WK. LAB: 0-4 LEC/LAB COMB:** **3-4**

**I. CATALOG DESCRIPTION**:

DRF 195 Architectural Blueprint Reading (4 cr.) Introduces students to drafting standards and techniques. Provides a basic understanding of construction symbols and designations, including interpreting various blueprints and working drawings. Applies basic principles and techniques such as visualization of an object, orthographic projection, technical sketching, mapping and drafting terminology. Requires outside preparation. Lecture 4 hours per week.

**II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES IN WHICH IT IS TAUGHT:**

The course is designed to introduce the student to the basic principles of reading and interpreting construction blueprints.

**III. REQUIRED BACKGROUND:**

None

**IV. COURSE CONTENT**:

Introduction

Standard Drawing Scales

Residential Prints

Types of Residential Construction

Dimensioning

Drawing Representation Methods

Print Components

Plot Plans

Foundation Plans

Elevation Drawings

Floor Plans

Details

Specifications

Relating Print Components

**V. LEARNER OUTCOMES:**

1. Be able to identify basic components of blueprints.

 2. Demonstrate an understanding of working drawings.

 3. Demonstrate an ability to read dimensions, notes, lines.

 4. Must demonstrate an understanding drawing symbols and abbreviations.

5. Must demonstrate an ability to read plan, elevation and sectional views.

6. Demonstrate an ability to locate and identify referenced information and schedules.

7. Must demonstrate an ability to work with standard architectural scales.

**VI. EVALUATION:**

 Homework, class activities and test.

**COURSE OUTLINE**

**COURSE, SECTION NO. AND COURSE TITLE:**

DRF 195 Blueprint Reading

**COURSE PREREQUISITES:**  None

**SEMESTER:** **Fall 2012**

**INSTRUCTOR:** James Adkins

**OFFICE NUMBER:** Wyatt 209

**OFFICE HOURS**: Posted

**TELEPHONE:** (434) 797-8436

**EMAIL**: jadkins@dcc.vccs.edu

**COURSE CONTENT:**

Introduction

Standard Drawing Scales

Residential Prints

Types of Residential Construction

Dimensioning

Drawing Representation Methods

Print Components

Plot Plans

Foundation Plans

Elevation Drawings

Floor Plans

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**ATTENDANCE REQUIREMENTS**:

Regular attendance is necessary for successful completion of this course. The following procedure will apply to days absent/tardy.

0 to 3 absent/tardy = 0 points off final grade

 4 absent/tardy = 10 points off final grade

 5 absent/tardy = 15 points off final grade

**COURSE GRADE PROCEDURE:**

A final grade will be averaged from grades given on assigned drawings and work sheets in the textbook.

A = 100-94

B = 93-87

C = 86-80

D = 79-73

F = 73 or below

**MAKE-UP EXAMINATIONS**: None