

TIDEWATER COMMUNITY COLLEGE

Official Course Outline

Course Prefix/Number/Title: ARC 122 Architectural Drafting II

Credit Hours: 3 **Lecture Hours:** 2 **Lab Hours:** 3 **Total Contact Hours:** 5

Pre-requisites: ARC 121 or equivalent **Co-requisite:** None

Course Description: A continuation of Architectural Drafting I. Requires development of a limited set of working drawings, including site plan and related details, and pictorial drawings.

Course Objectives: Upon completion of this course the student will:

- Define architectural programming and identify architectural design issues.
- Apply a systematic approach to design.
- Develop an analytical approach to solving problems pertaining to architectural design.
- Describe the components comprising construction drawings and the process required to develop these drawings.
- Develop a set of “code compliant” construction drawings following the criteria set forth in the Uniform Building Code and Local code restrictions.
- Identify technical components required for a set of construction drawings.
- Apply and use specialized drafting techniques.
- Communicate and present information in a professional manner.

Course Content:

- Architectural Programming
- Site Plan
- Floor Plans
- Roof Plan
- Exterior Elevations
- Foundation Plan
- Framing Methods
- Building & Wall Sections
- Details
- Schedules

Textbook: Osamu A. Wakita, Richard M. Linde. The Professional Practice of Architectural Working Drawings. Wiley; 3rd ed., 2002. ISBN-13: 978-0471395404