

Drafting and Design Technology

DDT 212 Intermediate Architectural Drafting

Instructor: Mike Hubka

Office: Bld. 105

Office Hours: Posted

Phone: 331-5270 **E-mail:** hubka@nwscc.edu

Credit hours: 3

Theory: 2 hrs.

Lab: 3 Hrs.

Program/Degree: Drafting and Design Technology / Associate in Applied Science Degree

Description : This second course in architectural design and drafting continues with more advanced and detailed architectural plans. Topics include roof ceiling and roof framing, windows and doors, stairs, fireplaces, building specifications, electrical and plumbing systems, civil drafting and plot plans, as well as cost estimating. The Architectural Desktop will also be introduced.

Prerequisites: DDT 111,112,103,132or Permission of Instructor

Text: Architectural Drawing and Light Construction – Fifth Edition
Edward J. Muller, James G. Fausett, and Philip A. Grau
Prentice Hall Publishers

Supplies: Two 3.5 - 1.44 Mb Floppy disks or One 100 Mb Zip disk

Course Rationale: Sketches and drawings prepared by architects and architectural designers convey conceptual designs which must be further developed into formal drawings to be used by builders and craftsmen during the construction phase of a project. The clear and accurate development and interpretation of the conceptual drawings become a key step toward a successful construction project. Common construction practices, and the development of architectural drawings will be the focus of this course and will include:

- 1.Principles of light construction.
- 2.Advanced construction details
- 3.Introduction to civil drawings.
4. Introduction to specifications and cost estimating

Course Objectives:

1. Introduce the student to terminology and methods used in residential and light construction.
2. Become proficient in detailing features such as roofs, stairs, windows and elevations.
3. Prepare site plans and interpret topographic maps.
4. Prepare cost estimates for light construction projects.

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Assignment Schedule

Week	Topic	Lab Assignments
1	8/28 Review	
2	9/4 Ceiling and roof framing plan	As Assigned By Instructor
3	9/11 Doors and Windows Door Schedule Window Schedule	As Assigned By Instructor
4	9/18 Fireplaces Lab - doors, windows and fireplaces	As Assigned By Instructor
5	9/25 Chapter 14 Stairs	As Assigned By Instructor
6	10/2 Test 1 Material Specifications	As Assigned By Instructor
7	10/9 Elevations - Hand out Materials Exterior Elevations Interior Elevations	As Assigned By Instructor
8	10/16 Chapter 15 Basic Residential Planning Contour lines and topographical features Location of Structure on site Landscape plan	As Assigned By Instructor
9	10/23 Architectural Desktop	As Assigned By Instructor
10	10/30 Architectural Desktop	
11.	11/6 Architectural Desktop	

Assignment Schedule

Week	Topic	Lab Assignments
12. 11/13	Electrical Plan	
13. 11/20	Test 2 Estimating Materials Take off	
14. 11/27	Estimating Lab	
15. 12/4	Review Open Lab	
16. 12/11	Final	

Grading Policy:

Quiz (X2@150)	300
Lab Projects and reports	300
Final Exam	200
Attitude & Participation	200
Total	1000

NOTE: Northwest-Shoals Community College’s policy regarding academic honesty will be **strictly enforced!** As a common courtesy to the instructor, you should attend classes promptly at specified starting times. If you are going to be absent, for any reason, you should contact the instructor as soon as possible. This will establish communications with the instructor about the possibility of making up your work. Make-up test and assignments shall be given on an individual basis and only with a proper excuse.

It is **“your”** responsibility to contact the instructor for make-up test and missed assignments. If you are absent for a test or assignment, because of a proper excuse, you must take the test or make up the assignment, at the next regularly scheduled class meeting. **If you refuse to do this, you will receive a “0” as the grade for that particular test or assignment.** Completing laboratory assignments is an integral part of you training. **All students must satisfactorily complete at least 75% of all daily lab assignments to receive a passing grade in this course.** The exact number of assignments for the course shall depend on the abilities of the entire class as a whole, and shall be determined by the end of the semester.

AMERICANS WITH DISABILITIES ACT (ADA)

It is the policy of Northwest-Shoals Community College to comply with the Americans with Disabilities Act (ADA). Any student covered under this act needing and desiring reasonable accommodations for this class should notify the instructor during the first week of class.

