

INTRODUCTION TO ARCHITECTURAL DRAFTING

CAD 185T
Fall 2015

Instructor: Alex Sanchez (ph 925-8716)

Office Hours:
Mon/Wed 1:00 - 1:30 and 3:45-4:30
Tues/Thur 12:00-1:30

COURSE DESCRIPTION: This course is an introduction to architectural drafting for CAD students. The course covers sketching, basic architectural CAD, schematic design, and the working drawing phases of construction document preparation.

TEXT: *Drafting and Design for Architecture* by Hepler and Wallach
ISBN 1401879950

ATTENDANCE POLICY: Students are responsible for any missed classes. Unexcused absences will lower your course grade 1% per unexcused absence (to a maximum of 10%).

GRADING POLICY: Grades will be based on class assignments and quizzes
class assignments 60%
quizzes 40%

Quizzes must be taken on the date specified. Make up quizzes will not be permitted, unless arrangements have been made in advance.

LIBRARY USE: A list of reference books and periodicals will be provided during the first week of class.

MAIN OBJECTIVES:

1. Learn basic architectural drafting skills, procedures and terminology
2. Learn architectural CAD basics
3. Learn about building regulations
4. Learn how to use architectural reference materials.

REQUIRED MATERIALS: Each student will be required to purchase a flash memory stick or equivalent storage media and a 1.5" ring binder

Students with disabilities should inform me of any special needs at the beginning of the semester.

CELL PHONES:

Please leave them turned off during class. It is very disruptive to have a cell phone call interrupt a lecture. If you have a medical or other critical reason to leave your cell phone on (vibrate mode), notify me prior to class.

Computer Lab Responsibility:

Please be advised that use of computer labs on UNM properties is governed by "Policy 2500: Acceptable Computer Use" which can be found at <http://policy.unm.edu/university-policies/2000/2500.html>.

Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

Introduction to Architectural Drafting Course schedule

WEEK 1 (Chapter 1) Introduction, architectural styles

WEEK 2 (Chapter 3) Drafting scales, instruments, and media

WEEK 3 (Chapter 4) Architectural drawing conventions and lettering

WEEK 4 QUIZ review, **QUIZ #1**

WEEK 5 (Chapter 5) Computer Aided Drafting

WEEK 6 (Chapters 6) Environmental design factors

WEEK 7 (Chapter 7) Indoor living areas and space planning

WEEK 8 (Chapters 13) Design process and floor Plans, QUIZ review

WEEK 9 **QUIZ #2**, (Chapter 14) Drawing Floor Plans

WEEK 10 (Chapters 15 and 16) Designing and drawing elevations

WEEK 11 (Chapters 28) Framing methods and structural components

WEEK 12 (Chapter 17) Sections

WEEK 13 (Chapter 35) Schedules and specifications, QUIZ review

WEEK 14 **QUIZ #3**, (Chapter 30) Roof plans

WEEK 15 (Chapter 18) Site development plans

WEEK 16 (Chapter 37) Building codes, final QUIZ review, **QUIZ #4**