

CNET 2300 – Architectural Drawing Section 002/103 – Fall 2017 Syllabus

Meeting Times: Thurs.: 8:30 a.m. – 9:20 a.m. (002)
Thurs.: 10:00 a.m. – 12:50 p.m. (103)

Meeting Room: NTDP F119 (002/103)

INSTRUCTOR	Aloysius (Al) Attah, P.E.	EVALUATION	
OFFICE	NTDP F115G	<div>Homework15%</div> <div>Lab Exercises45%</div> <div>Midterm Exams25%</div> <div>Final Exam15%</div>	
PHONE	(940) 565 – 2022		
OFFICE HOURS			
Mon: 1:30 p.m. – 3:30 p.m.			
Tue: 9:00 a.m. – 10:00 a.m.; 11:00 a.m. – 1:00 p.m.			
Wed: 9:30 a.m. – 10:30 a.m.; 1:30 p.m. – 2:30 p.m.			
Thu: 9:30 a.m. – 10:00 a.m.; 1:30 p.m. – 3:00 p.m.			
OR			
By appointment			
E-MAIL:	alloysius.attah@unt.edu	TOTAL	100%

COURSE OBJECTIVES:

At the conclusion of this course, you should be able to:

- *explain* the concepts of construction drawings and the influence of construction information in plans and specifications.
- *discuss* the purpose and appropriateness of preparing and presenting drawings in various formats, including hand drafting, CAD, and BIM.
- *utilize* various formats, including hand drafting, CAD, and BIM, in the preparation of basic architectural drawings.

COURSE OUTCOMES:

- Producing and utilizing design documents.
- Employing productivity software to solve technical problems.

COURSE POLICY/GRADING:

Homework:

- Homework worth 15% of the overall course grade will be assigned. You will be advised of the due dates.
- Only one late homework will be accepted. It shall be submitted no later than the next class meeting and it shall be graded at a 30% penalty.

Lab Exercises:

- There will be 11 lab exercises, towards 45% of your overall grade.
- These exercises will be due strictly based on the schedule shown in the course outline, unless otherwise specifically stated by the instructor.
- The grading for exercises will be specific to each, with criteria provided in each exercise handout.
- Only one late lab exercise will be accepted during the semester. It shall be handed in by the lab session following the due date, and it shall be graded at a 30% penalty.

Exams:

- There will be two midterm exams:
 - one in Week 4, covering the drafting presentations and Lab Exercises 1, 2, and 3.
 - one in Week 10, covering the CAD presentations and Lab Exercises 4, 5, 6, and 7.
- The final exam will be administered at a time TBD by UNT during the Final Exam period, and will cover the BIM presentations and Lab Exercises 7 to 11.
- All exams will be closed book.

Other Policies:

- This course will adhere to UNT academic policies, including those for academic integrity (<http://vpaa.unt.edu/academic-integrity.htm>) and overall conduct (<http://deanofstudents.unt.edu/conduct>). It is your responsibility as a UNT student to be familiar with these policies, but feel free to ask the instructor any questions pertaining to these.
- Any accommodations for differing abilities will be made for this course as per the policies and determination of the Office of Disability Accommodation: <http://disability.unt.edu/>

COURSE MATERIALS:

- All materials to be provided in class/on Blackboard, including presentations, tutorials, excerpts from manuals, etc.

COURSE OUTLINE: Subject to change

WEEK-DATE	TOPIC	WORK DUE
1 – Aug. 31	Introduction to course. <i>Drafting</i> : Basics of technical drawing.	
2 – Sept. 7	<i>Drafting</i> : Lettering, dimensioning, and making notes.	Lab Ex. #1
3 – Sept. 14	<i>Drafting</i> : Architectural details.	Lab Ex. #2
4 – Sept. 21	MIDTERM EXAM 1. (take-home)	Lab Ex. #3
5 – Sept. 28	<i>CAD</i> : Intro, basic tools, and element attributes.	
6 – Oct. 5	<i>CAD</i> : Linear elements and measurement tools.	Lab Ex. #4
7 – Oct. 12	<i>CAD</i> : Manipulation and modification.	Lab Ex. #5
8 – Oct. 19	<i>CAD</i> : Text and dimensioning.	Lab Ex. #6
9 – Oct. 26	<i>BIM</i> : Intro, datums, and layout. Review for Midterm Exam 2.	Lab Ex. #7
10 – Nov. 2	MIDTERM EXAM 2.	
11 – Nov. 9	<i>BIM</i> : Walls.	Lab Ex. #8
12 – Nov. 16	<i>BIM</i> : Doors and windows.	Lab Ex. #9
13 - Nov. 23	NO CLASS (Thanksgiving break).	
14 – Nov. 30	<i>BIM</i> : Floors, ceilings, and roofs.	Lab Ex. #10
15 – Dec. 7	<i>BIM</i> : Dimensions, views, etc. Review for Final Exam.	Lab Ex. #11
16 -- Dec. 14	FINAL EXAM	