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.
OFFICE: NTDP F115G
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: aloysius.attah@unt.edu

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<th>EVALUATION</th>
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<td>Homework</td>
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<td>Lab Exercises</td>
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<td>Midterm Exams</td>
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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

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