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Syllabus

Course 421 **CAD 2**

Software AutoCAD

Hardware USB Flash Memory

Grading
 Project (see project grade sheet): 100 points
 Note book (see below): 50 points
Quizzes (5 at 20 points each): 100 points
 Total: 250 points

Project Construction Document Set

WORK PRODUCT:

A- 22 PAGE SET: Black and white bond 24x36 Sheets including the following pages:

- A10 Finish Plan
- A10.1 Finish Schedule
- A9 Interior Elevations
- A6 Stair Plan & Sections
- A2 Power & Signal Plan
- A11 Furniture Layout Plan & Schedule

A1, A7.1, A7, A1.3, A3
 (Your full set of CAD 1 sheets completed previously)

C, SI1, A1.1, A1.2, A4, A5, A7.2, A8, AD1, AD2, AD3
 (Reference sheets provided to you as a .dwg file on the M drive)

B- 22 PAGE REDLINE SET: Proof prints of ALL sheets above with redlines on ALL of the above sheets on minimum 24x36 paper (Redlines performed by a fellow student must dated and signed - use only the student set for redline work- no example set)

C- DIGITAL FILES: A minimum of 5 process AutoCAD files with dates in the file name - AutoCAD files must show process

Note book

In order to receive full points your notebook must contain notes from all topics discussed in class.

Work product: Notebook in paper or digital format that you can display to the professor during grading

Grading: See rubric

Quizzes

In class, timed on the computer for 15 minutes each

Plan set

Two Story Office Building (A file for printing this document will be made available to you the first day of class - this document and the syllabus are required for class every day)

Book

There is no text for this class

Changes

The syllabus and schedule can be changed at anytime in class discussion, students are responsible to record and respond to these changes.

Class Outline

CLASS 1: _____

Floor plans

Lecture:

Intro

Section concept review

Keying review

Draw floor plan model for finish plan

Two story office.pdf

CLASS 2: _____

Sheet A10 and A10.1 Finish plan and schedule

Quiz 1

Lecture:

Finish plan
Coordinate allied disciplines
Mechanical, electrical, furnishing
Finish schedule
Specifying finish materials
Groupware or collaborative feature of AutoCAD
Sharing information with allied disciplines
Xreferences

CLASS 3: _____

Sheet A9 Interior elevations

Quiz 2

Lecture:

Interior elevations
Leaders with or without text
Manual setup of qleader
Creating text from scratch
Non-Standard interfaces
Use command line
Interface settings

CLASS 4: _____

Sheet A6 Stair plan and sections

Quiz 3

Lecture:

Stair plan
Stair section
Use detail sheets to guide your work

CLASS 5: _____

Lab: Stair plan and sections

In class work on stair plan and section

CLASS 6: _____

Sheet A2 Power and signal plan

Quiz 4

Lecture:

Integration of building systems
Coordination with allied disciplines
Monitoring systems (show example set - Suite 370, sht. E.03, make diamond with dot symbol for daylight sensors)
Other monitoring systems; daylighting sensors in conjunction with led dimmable light systems
Security system

Power and signal plan

CLASS 7: _____

Sheet A11 Furniture layout plan & schedule

Lecture:

Furniture layout plan

Handout full set file and talk about integration

*Be sure to read the Academic Notes pertaining to
Office's 119 & 120*

CLASS 8: _____

Lab: Work Day

Quiz 5

**FULL 22 SHEET PLAN SET FOR REDLINES DUE AT
BEGINNING OF CLASS TODAY**

In class work on project

Print, redline, fix, and reprint

CLASS 9: _____

Lab: Work Day

In class work on project

Print, redline, fix, and reprint

CLASS 10: _____

Lab: Work Day (Flex Day)

In class work on project

Print, redline, fix, and reprint

CLASS 11: _____

Project Turn In & Grading

PROJECT DUE:

***Per Project, WORK PRODUCT listed on page
one and two of this syllabus***

In class grading

Bring work and be patient

CLASS 12: _____

Individual grading

In class grading

Bring work and be patient

Course Policies

TUTORING:

A list of qualified tutors is available upon request. Please see the professor if you feel you need a tutor.

ATTENDANCE:

Each student may have two total absences. However, more than two consecutive class meeting absences or three non-consecutive class meeting absences per course may result in the student being withdrawn from the course. Attendance is considered an important habit to acquire in becoming a mature, responsible member of the professional community.

QUIZZES AND EXAM:

There are no makeup quizzes or exams.

CHEATING:

Any form of cheating will result in failure of the course.

EXTRA CREDIT:

There is no extra credit offered for this course.

GRADING SUMMARY:

232-250	A
215-231	B
197-214	C
180-196	D
0-179	F