

Oklahoma State University
Landscape Architecture & Contracting Programs
COMPUTER AIDED DESIGN | LA 2323
Spring, 2007

COURSE NO. LA 2323, T&TH 6:45 pm – 8:35 pm
CREDIT HOURS: 3 Credits
INSTRUCTOR: Michael Holmes
Assistant Professor
OFFICE: 345 AGH
OFFICE HOURS: M/W 10am to Noon
CONTACT: Office Phone: 405.744.7333
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PREREQUISITES: LA1013

COURSE DESCRIPTION:

Introduction to computer operating systems as related to Landscape Architecture / Design. Principles of electronic drafting, utilizing AutoCAD 2006 to generate 2D and 3D drawings.

COURSE OBJECTIVES

At the end of the course the student is expected to demonstrate the following concepts:

- Basic computer operations and the different categories of software.
- The ability to graphically communicate ideas.
- An understanding of computer aided drafting and its various applications in landscape architecture and landscape contracting.
- The use of AutoCAD applications software to generate several types of drawings.
- The development of quick axonometric and perspective drawings from 2D and 3D drawings.

CLASS STRUCTURE

The course is structured with lectures, assigned readings, and computer labs. Lab work applies lecture content directly to the development of related problem solving skills. Guest lectures and multimedia presentations supplement the lab experience.

Typically the first hour of each class will consist of lecture material. The remaining class time will be devoted to lab work. Readings from the class textbook along with supplemental readings will be assigned for each topic. Students will be expected to have read the assigned material before the class for which it is assigned.

A commitment of time outside of class will be required to complete the assigned projects and readings. During the lecture portion of the class students should take notes. The information covered will deal with the specific assignment requirements or technical information related to the assigned projects and exercises. It is critical that you work productively during lab times, for the lab is reserved for this class time. After class hours there are numerous university labs that are available. The horticulture and landscape architecture/contracting computer lab (AGH 343) does receive intensive use through out the semester, so plan accordingly.

TEACHING PHILOSOPHY

The lab is an integral experience for design understanding and learning; as such you are expected to work in the lab during posted lab hours and are highly encouraged to work in the lab after hours. Lab work allows valuable interaction with your instructor and colleagues and prepares you for design team format.

ASSIGNMENT / CREDIT STATEMENT

Each assignment handed in by the student shall contain the following information that will be included in a title block for drawing projects or a credit page for word processing documents.

- Student Name:
- Project Name:
- Project Due Date:
- Institution Name: Oklahoma State University
- Program Name: Landscape Architecture and Contracting Program
- Instructor Name and Title: Professor Holmes
- Course Name and Number: LA 2323 Computer-Aided Design
- Semester and Year: Spring 2007

This information shall be incorporated into the title block of the project. The projects shall also include on each sheet a north arrow, sheet number and scale (*north shall always be oriented to the top of the page*). Each assignment shall also include these elements when applicable.

Assignments will also be turned in both a hard copy and digital format. The digital final will be turned in to our class folder. Your files should follow the following naming convention ...

Exercise #1: "lastname_firstname_ex1.dwg"

Project #1: "lastname_firstname_pr1.dwg"

REQUIRED MATERIALS

1. Jump Drive (at least 64 Megs) or Writable CDs.
2. Notebook (three ring binder): You are **STRONGLY** encouraged to keep a notebook (three ring binder) to store notes, handouts, and assignments. This notebook will answer many questions in the future.

ACADEMIC INTEGRITY

You are expected to follow the university policy regarding academic integrity as described in your course catalog. Using work from other sources will not be accepted and will be considered plagiarism (see course catalog).

SYLLABUS CHANGES

The instructor reserves the right to change the syllabus at any time due to university scheduling, delays in projects because of outside clients or weather.

STUDENT DISABILITIES

Any student with a disability that could affect his or her course work, or who may require auxiliary aids or services to participate fully in the program is required to provide a description of their needs to the course instructor or Program Director as soon as possible. Every consideration will be given to those needing assistance.

POLICY ON LATE WORK

Assignments are normally due at the indicated time on the project assignments. Extensions may be given to students who have official excuses. If an extension is to be considered the student must arrangements with the instructor prior the assignment's due date. If an assignment is turned in late, 10 pts (out of 100) will be subtracted for every day or portion of a day that the assignment is late. For example ... if a project is turned in 25 minutes late, 10 pts will be deducted from that projects grade. If the project is turned in 1 day and 25 minutes late, 20 pts will be deducted from that assignments grade.

POLICY ON ATTENDANCE

Students are responsible for attending lectures and studios at all scheduled times. Each student is allowed **two (2) unexcused absence**. Each additional unexcused absence will result in a 2% reduction of your final grade.

DRAWING RETENTION

Representative samples of student project work may be selected and retained by the instructor for program records. The student work, thereby, becomes the property of the program. The student whose work has been selected may have access to the work in order to make photographic copies.

EVALUATION

Calculations for grades will be as follows:

Exams	30%	(two tests @ 15% each)
Exercises	30%	(8 assignments @ 3.75% each)
Projects	20%	(2 @10% each)
Final Exam	20%	

<i>Total</i>	<i>100%</i>	

REQUIRED TEXT

Stellman, T.A. and G.V. Krishnan. Harnessing AutoCAD 2006. Albany, New York: Autodesk Press, 2006.

DROP/WITHDRAWAL POLICY

At any time prior to the end of the first week of class in either regular semester or summer session, or during the proportionate period for block or short courses, a student may drop a course and no record of the course will appear on the student's academic record.

After this time and prior to the end of the sixth week of classes of a regular semester or the third week of a summer session, a grade of "W" (dropped) shall be recorded on the student's academic record.

After the sixth week of classes of a regular semester or the third week of a summer session and before the beginning of the eleventh week of classes of a regular semester or the sixth week of a summer session, a student may drop a course with a grade of "WP" (dropped passing) or "WF" (dropped failing) as assigned by the instructor at the time of dropping. A grade of "WP" or "WF" shall be calculated in the grade point average.

After the beginning of the eleventh week of classes of a regular semester or the sixth week of a summer session, or proportionate periods for block or short courses, a student may drop a course and shall be only the grade of "A", "B", "C", "D" or "F" or (when appropriate) "I", "NP", "P" or "R" by the instructor at the end of the semester. (Exceptions to this policy may be allowed by petition requires the signatures of the student's instructor, advisor and dean, with the grade of "WP" or "WF" assigned by the instructor.)

A student may not drop any course in which a formal charge of academic dishonesty is pending against the student. If the student is absolved of the formal charge, he or she may drop the course

with a grade of "WP" (dropped passing) appearing on the academic record. If the student is found guilty, the instructor may make appropriate disciplinary action, including the grade of "F" for the assignment or the course.

No course may be dropped without the approval of the student's academic advisor.

The withdrawal process is initiated in the student's dean's office. A student may withdraw from the university at any time prior to the beginning of "Pre-final week". Prior to the end of the sixth week of a regular semester or the third week of a summer session, a grade of "W" (withdrawn) shall be recorded on the student's academic record.

LECTURE AND PROJECT SCHEDULE

JANUARY.....

Tuesday	9	Review Syllabus and Objectives/ Lecture / Lab Orientation. <i>Assign: Chapter 1 in text</i>
Thursday	11	Introduction to AutoCAD <i>Assign: Chapter 2 in text</i>
Tuesday	16	AutoCAD: Fundamentals 1 <i>Assign: Exercise #1</i>
Thursday	18	AutoCAD: Fundamentals 1 <i>Assign: Chapter 3 in text</i>
Tuesday	23	AutoCAD: Fundamentals 2 Exercise #1 Due @ beginning of class <i>Assign: Exercise #2</i>
Thursday	25	AutoCAD: Fundamentals 2 <i>Assign: Chapter 4 in text</i>
Tuesday	30	AutoCAD: Fundamentals 3 Exercise #2 Due @ beginning of class <i>Assign: Exercise #3</i>

FEBRUARY

Thursday	1	AutoCAD: Fundamentals 3 <i>Assign: Chapter 5 in text</i>
Tuesday	6	AutoCAD: Fundamentals 4 Exercise #3 Due @ beginning of class <i>Assign: Exercise #4</i>
Thursday	8	AutoCAD: Fundamentals 4
Tuesday	13	Review for test Exercise #4 Due @ beginning of class

Thursday	15	Exam #1 <i>Assign: Chapter 6 in text</i>
Tuesday	20	AutoCAD: Fundamentals 5 <i>Assign: Exercise #5</i> <i>Assign: Project #1</i>
Thursday	22	AutoCAD: Fundamentals 5 <i>Assign: Chapter 8 in text</i>
Tuesday	27	Printing and plotting Exercise #5 Due @ beginning of class

MARCH.....

Thursday	1	Printing and plotting <i>Assign: Chapter 7 in text</i>
Tuesday	6	Dimensioning Project #1 Due @ beginning of class <i>Assign: Chapter 9 in text</i> <i>Assign: Exercise #6</i>
Thursday	8	Hatching and Boundaries <i>Assign: Chapter 10 in text</i>
Tuesday	13	Block Reference and Attributes <i>Assign: Chapter 11 in text</i> <i>Assign: Exercise #7</i>
Thursday	15	Working Lab Session Exercise #6 Due @ beginning of class
Tuesday	20	Spring Break
Thursday	22	Spring Break
Tuesday	27	External References
Thursday	29	Review for Exam Exercise #7 Due @ beginning of class

APRIL.....

Tuesday	3	Exam #2 <i>Assign: Chapter 15 in text</i>
Thursday	5	AutoCAD 3D <i>Assign: Exercise #8</i> <i>Assign: Project #2</i>
Tuesday	10	AutoCAD 3D
Thursday	12	AutoCAD 3D <i>Assign: Chapter 16 in text</i>
Tuesday	17	Introduction to rendering Exercise #8 Due @ beginning of class
Thursday	19	Rendering
Tuesday	24	Rendering
Thursday	26	Review for Exam Project #2 Due @ beginning of class

MAY.....

Tuesday	1	Final Examination Period 8:00 to 9:50 pm
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