

Instructor: Dan Beert  
Office hours: M 5-6pm, and by appt.

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**INDES 162**

**Summer 2008**

**Introduction to Computer-Aided Design**  
M/W 6:00a-9:10p

**Required Textbook**

AutoCAD for Interior Design and Space Planning Using AutoCAD 2008 – Kirkpatrick & Kirkpatrick  
ISBN: 0131592322

**Materials**

Every day:

- A small NOTEPAD to capture last-minute, spontaneous, and unexpected discoveries; to record personal shortcuts and tips, and to take down notes from demonstrations/critiques.
- Roll of 12" flimsy, trace (buff preferred) and Felt-tip pens by week 4
- CURRENT, UP-TO-DATE, IN-PROGRESS CLASS MATERIALS
- USB Flash Memory Device (128 MB – 1 GB)

**Prerequisites**

INDES 160; BTS 161, or similar PC-Windows competency; or permission of instructor.

**Course Description & Outcomes**

Introduces AutoCAD for designers on the PC. Students learn the role and application of CAD in graphic communication and interior design while creating two-dimensional drawings. Hands-on work in the CAD lab familiarizes students with the hardware and software.

Students successfully completing Introduction to Computer-Aided Design will:

- Develop appreciation of the computer, including hardware, operating system and software as an important tool for design and graphics through exposure to applications, advantages and disadvantages.
- Analyze and evaluate when it is appropriate to use CAD in the design process, and compare the benefits of using a CAD system with manual drafting, in terms of time, cost, accuracy, etc.

After successful completion of Introduction to CAD, student work will:

- Demonstrate the ability to produce drafted lines, using CAD application, with appropriate thickness, opacity, and precision by completing a comprehensive final project, for example, a floor plan, or elevations. (5a)
- Demonstrate a legible and consistent style of conventional architectural lettering using CAD programs to convey written information. (5a)

FIDER Reference:

Standard 5: Communication

Students communicate effectively. **Student work must** demonstrate:

- a) drafting and lettering, both manual and computer-aided techniques.

**Studio Etiquette**

This is as much a studio as it is a computer lab. The class will meet in L116 with the instructor, unless other arrangements are announced. *Attendance is mandatory*...physically and mentally. And tardiness will be recorded, too. Both lab and studio work will consist of experimentation, critique, review, and evaluation of the assigned work. Expect to spend 6-10 hours work outside of studio, either reading or working on assignments. Arrange your schedule to take advantage of what open lab time there is. Two or three stations in N250 Open Lab also have AutoCAD.

Be prepared, every class period, for *desk critiques*. Time and attention you receive may be proportional to the amount of time and attention you spent preparing for class. Establish a schedule and demonstrate progressively more refined skills and ideas each class period. If your work shows no progress, this will be reflected in your evaluations.

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If you need help during a lecture or demonstration, ask one of the lab assistants. Also, don't hesitate to ask or offer help from/to someone nearby. HELP EACH OTHER OUT.

Be prepared to work during every class. Bring design materials to the studio every day the class meets and start on-going work immediately, unless a demonstration is occurring.

Practice maintaining a professional atmosphere. Laughter is Ok. Food, including snacks and liquids is not. Audio devices (even personal ones) are not allowed.

### Deadlines

ALL ASSIGNMENTS are due at the beginning of class (U.O.N.) Late work will be penalized. *Please notify instructor in advance of any extenuating circumstances affecting project completion.* Be sure to allow enough time for plotting, when plots are due at the beginning of class. Printing will not be allowed during the first part of the class without explicit instructions to do so.

### Assignments

The first half of the quarter – approximately – will involve self-directed learning as you follow the tutorials in the textbook. Do your best to keep pace with the assigned tutorials and work ahead if you are able. Consult the schedule for details of in-class activities, assignments, and due dates.

In the latter part of the quarter, we will explore how to use AutoCAD as design tool. Be prepared to develop design concepts via conceptual sketching as a prelude to digital design activities.

### Evaluations

**Studio Grade.** I realize that all students may not advance at the same pace as we work through the tutorials at the beginning of class. However, that means some must spend more time than others to achieve a basic level of competence. All are expected to make *continued progress* toward individual learning goals throughout the quarter. The textbook provides additional practice assignments that you may pursue if you are finished with your tutorials ahead of schedule. *All assignments must be completed in order to receive a passing grade for the course.*

The instructor reserves the right to adjust the student's final grade based on any late work, missed classes, unprofessional behavior (including tardiness, leaving early, disrespect for others, poor preparation, sleeping in class, abusing studio etiquette). I'm pretty reasonable about exceptions, but don't abuse this accommodation, either. Work/study habits will be scrutinized.

**Assignment/Project Grades.** Grading will follow the BCC Guidelines in the Course Catalog and Student Handbook. Familiarize yourself with the distinction between *Outstanding, High, and Satisfactory* achievement. If you have questions about how you are doing in class, please be considerate make an appointment to talk with me so that I can give you my full attention.

*The instructor reserves the right to refuse any work that has not been reviewed previously in class. If it has not been previously reviewed or presented it may not be accepted for credit.*

Evaluations of digital files and printed output will be used.

### Grade Distribution (class will be notified of any changes to these ratios)

Studio grade	10%	Practicum	10%
Final Project	45%	Tutorial Projects	35%

- Grading will be on a 12-point scale: A+=12, A=11, A-=10, B+=9, B=8, B-=7, etc.  
A = Outstanding, Excellent, Exceeds Expectations; B = High Achievement, Very Good, Promising  
C = Passable, Developing Skills, Meets Minimum Expectations; D = Insufficient, Lacking, Poor

### Accommodations

If you require accommodation based on a documented disability, emergency medical information to share, or need special arrangements in case of emergency evacuation, please make an appointment with me as soon as possible. If you would like to inquire about becoming a DSS student you may call 564-2498 or go in person to the DSS (Disability Support Services) reception area Building B.

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## Recognition of Syllabus

It is important that you understand and are prepared for the learning experience ahead by understanding the syllabus contents. The syllabus is a contract between the student and instructor, establishing our responsibilities to each other: what you can expect from me and the course, including the learning outcomes and environment in which you'll perform; as well as the expected conduct, rights, and responsibilities of students in this class. See the Arts & Humanities "Student Procedures and Expectations on the A&H website: (<http://www.bcc.ctc.edu/ArtsHum/policy.html>).

Please sign below, as confirmation that you've read the syllabus and that you will discuss with the instructor any issues that you consider confusing, problematic, or open to dialogue with the entire class. If your discussion is of a personal nature, please make an appointment with me, rather than discuss it during class.

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Please print name

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Signature

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Date