INDES 262
INTRODUCTION TO COMPUTER AIDED DESIGN
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INSES 262 REQUIRED TEXTS
Digital Drawing for Designers: A Visual Guide to AutoCAD 2011 – Douglas R. Seidler
AutoCAD Pocket Reference Fourth Edition – Cheryl Shrock

INDES 262 REQUIRED SUPPLIES
- A notepad to capture last-minute, spontaneous, and unexpected discoveries; to record personal shortcuts and tips, and to take down notes from lectures, demonstrations and critiques.
- USB flash memory device (4 GB)
- Architect's scale
- Roll of 12" flimsy trace paper (buff preferred) and black felt-tip pen for start of final project
- 18 x 24 (bond) paper by week 5

INDES 262 PREREQUISITE
Prerequisites: INDES 171 or permission of instructor.
BTS 161 or similar PC-Windows competency is strongly recommended.

INDES 262 CLASS DESCRIPTION
Introduce AutoCAD for designers using 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.

OUTCOMES FOR INDES 262
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 INDES 262 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.

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.* That includes being on time and paying attention. Both lab and studio work will consist of experimentation, critique, review, and evaluation of the assigned work. Expect to spend at least 6-10 hours work outside of studio, either reading or working on assignments. Arrange your schedule to take advantage of open lab times. All the computers in L121 and a few stations in N250 Computer Lab also have AutoCAD.

Be prepared, every class period, for *desk critiques* – informal discussions with the instructor of in-progress work. 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.

If you need help during a lecture/demonstration, ask a lab assistant. Also, don't hesitate to ask for help from, or offer help to, someone nearby.

Be prepared to work during every class. Bring assigned work in progress and 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. This means developing good work habits and limiting conversation – as much as possible – to the work at hand. Food, including snacks and liquids, and audio devices (even personal ones) are not allowed in the lab.

DEADLINES

ALL ASSIGNMENTS are due at the beginning of class, unless announced otherwise. 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 will involve self-directed learning as you follow the textbook and complete assigned drawing exercises. Do your best to keep pace with the assignments and work ahead if you are able.

In the latter part of the quarter, you will be involved in completing a comprehensive final project, including plan and elevation drawings. This time will entail design work, during which you will have an opportunity to explore how to use AutoCAD as design tool. Be prepared, however, to spend time developing design concepts via conceptual sketching as a prelude to digital design activities.

During class sessions, priority will be given to accomplishing scheduled lectures/demonstrations, and, to the extent possible, allowing in-class time to work on assignments. Consult the schedule for details of in-class activities, assignments and due dates.

EVALUATION

Assignments, final project, in-studio performance, and an in-class examination will be used in evaluating each student's progress and mastery of course material.

Assignment/Project Grades. Digital files and printed outputs of assignments and final project will be used in evaluating a student's performance. Grading of these will follow the BC 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 and 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. All assignments must be completed in order to receive a passing grade for the course.

Studio Grade. Studio grading is based on observation of studio performance: skills, learning approach, attendance, work habits, and progress toward learning goals. It will also include a student's proficiency in completing any in-class assignments and quizzes.

I realize that all students may not advance at the same pace as we work through the assigned exercises at the beginning of class. That's to be expected, due to the different levels of experience all of you bring. 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. Students with more experience will be expected to demonstrate more proficiency in their projects. I can provide additional practice exercises that you may pursue if you are finished with your assignments ahead of schedule.

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.

INDES 262 GRADE DISTRIBUTION & SCALE

Studio grade 10% Final Project 60% Assigned Drawings 30%[1]

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

[1] You will have SIX assignments to complete, the sixth of which is a plan drawing of the Eames House. Assignments one thru five will each count as 10% of your assigned drawing grade. The Eames House drawing will count as 50% of your assigned drawing grade.

ACADEMIC HONESTY

The principle of academic honesty underlies all that we do and applies to all courses at Bellevue College. One kind of academic dishonesty is plagiarism, which may take many forms, including, but not limited to, using a paper written by someone else, using printed sources word-for-word without proper documentation, and paraphrasing or summarizing the ides of others without acknowledging the source as well as submitting work from a prior class. Plagiarism can also occur when non-written ideas are taken without documentation—using someone else's design or performance idea, for example. In short, plagiarism amounts to intellectual theft – whether or not it was your intention to steal.

Participating in academic dishonesty in any way will result in severe penalties. Dishonestly produced papers and documents automatically receive a grade of "F" without the possibility of make-up. The Dean of Student Services will also be notified of such conduct.

Individual instructors will clarify documentation requirements for specific requirements. If you have any doubts as to whether you are documenting properly, do not hesitate to contact your instructor.

ACCOMMODATIONS

If your require accommodation based on a documented disability, have medical information to share with me in the event of an emergency, please contact me via email or make an appointment with me as soon as possible. Emergency preparedness is important!

To inquire about becoming a Disability Resource Center (DRC) student, you may call 425.564.2498 (or 425.564.4110 TTY line) or visiting the DRC located in B Building. Information is also available on website http://bellevuecollege.edu/drc/

RECOGNITION OF SYLLABUS

The syllabus is a contract between the student and instructor, establishing the learning outcomes and context, as well as the expected conduct, rights, and responsibilities of students in this class. It is important that you understand and are prepared for the learning experience ahead by understanding the syllabus contents.

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.

_____

Please print name

_____

Signature

_____

Date