

COLLEGE OF ARTS AND SCIENCES

Course Syllabus

DEPARTMENT: Agricultural and Industrial Sciences- Technology Program
COURSE NUMBER AND Title: IT 263; Home planning
SEMESTER: Fall 2007
CREDIT HOURS: 3 (2-2 Format)
LECTURE LOCATION/ TIME: Farrington, Room 220, Wed 5 pm- 8 pm
LAB/ TIME:
INSTRUCTOR: D. L. Benke

OFFICE: Farrington 224
P.O. Box 2266/SHSU
Email: dlb011@shsu.edu

OFFICE HOURS: by Appointment

TEXTBOOK:

SUPPLIES: One Memory Stick or 100/250 MB zip disk

COURSE OBJECTIVES:

This course consists of the development of a set of plans for a one-level, single family dwelling. Covered are the basic elements of space planning and the combining of these areas into a composite and functional; floor plan. An introduction and overview of the varied building materials and construction techniques used in residential dwellings are discussed. The set of plans consists of a floor plan, exterior elevations (4 min), cabinet elevations, electrical plan, interior/exterior 3D renderings, and site plan. The plans are created by the use of CAD software, Chief Architect.

COURSE FORMAT: The course will be a combination of lecture, demonstration, in class problem solving and student drawing exercises. Students are required to complete a series of drawings that will reflect their knowledge of the stated objectives and the use of the software.

COURSE CONTENT:

- I. Residential Design
 - A. Room Relationships and Sizes
 - B. Exterior Design Factors
 - C. Conservation and Environmental Considerations
 - D. Site Orientation
 - E. Site Plan Layout

- F. Floor Construction
- G. Frame wall construction
- H. Roof construction
- I. Doors and windows
- J. Chimneys and fireplaces
- K. Electrical requirements
- L. Plumbing
- M. Interior and Exterior trim and wall coverings

II. Floor Plan Development

- A. Symbols
- B. Dimensions and Notes

III. Supplemental Plans

- A. Electrical Plan
- B. Exterior Elevations
- C. Cabinet Elevations
- D. Foundation and Footing Plans
- E. Wall Sections and Details
- F. Framing Plan(s)
- G. Interior and Exterior 3D Views

COURSE EVALUATION:

Each lab assignment should be completed during the scheduled lab period. Lab assignments are due at the beginning of the next regular class period. Late work will be penalized 1 point each taken from the students final grade. Each student is expected to individually complete all drawing exercises for each of the units in this course. Penalties will be assessed for work, which is turned in late. The final grade for the course will be averaged as follows:

400 sq. ft. Camp	10%
900 sq. ft. Home	15%
Final Project	50%
Attendance	15%
Quizzes	10%

EXAMS/TESTS:

A. Exams - There are no major quizzes/exams scheduled, but the instructor reserves the right to give quizzes/exams as he/she deems necessary.

B. Residential Plans – You will complete a small practice floor plan prior to completing your full set of plans. This will allow time to become accustomed to the CAD software. Instructions for the CAD software are not available in your textbook. (They are available as PDF files on each computer in the lab.)

You will be required to individually complete a floor plan, electrical plan, exterior elevation plans (4), cabinet elevation plans, and 3D interior/exterior presentation drawings. Each assignment will have a due date and should be completed during your scheduled lab period.

ATTENDANCE POLICY:

1. Every student is expected to be present and on time for every class. You are tardy whether you come in late or leave early. Roll will be taken at the beginning of each class or lab

session; if you are not in your seat, you will be counted absent. In case you are absent, excused or unexcused, you are still responsible for the material covered. Listed below are the points per absent that will be used to determine a student grade.

0-3 = 15

4 = 8

5 = 0

Material and instructions will be disseminated one time only. If you are absent or late, the responsibility for obtaining handouts and information is incumbent on you. You would be wise to establish relationships with fellow students for assuring that you remain well-informed and that you are adequately prepared for exams.

2. Each student should be prepared for class/lab by having carefully read and studied all assigned textbook readings and/or handouts. Each project is to be done on an individual basis. you should expect to spend **a minimum of three to four hours per week** in lab. Absences do not exempt you from the responsibility of turning material in on time.
3. There will not be repeat exams, quizzes, or makeup assignments except for extenuating circumstances (documented illness, family crisis, etc.) or by mutual agreement between the instructor and the student.
4. If you have perfect attendance during this course you will have the option to be exempt from taking your final exam.

ACADEMIC HONESTY:

The University expects all students to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action.

If students are found to be cheating or guilty of plagiarism (including copying and drawing): First time offense will result in the test or assignment being counted as a zero (this applies to the person who copied **and** the person who willingly allowed or supplied the data to be copied). If the student repeats the violation, the course grade will be assigned as 'F'.

CLASSROOM RULES AND CONDUCT:

The lab assistant and instructor will enforce laboratory safety rules for any safety violations. Each safety violation will cause the current lab assignment grade to be dropped by one (1) Grade letter for each occurrence. Students who are especially disruptive may be reported to the Dean of Students for disciplinary action in accordance with university policy.

The following are the safety rules:

Cellular telephones and pagers must be turned off before class begins. (if your cell phone rings during class or lab time it will be confiscated for 24 hours.)

Eating, drinking and tobacco products are not allowed.

Talking at inappropriate times, sleeping, horseplay, pranks or other acts of mischief are Prohibited.

No equipment may be removed from the laboratory.

STUDENT ABSENCES ON RELIGIOUS HOLIDAYS POLICY:

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy days(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable time frame in which the missed assignments and/or examinations are to be completed.

DISABLED STUDENT POLICY:

It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request help with academically related problems stemming from individual disabilities from their instructors, school/department chair, or by contacting the Chair of the Committee for Continuing Assistance for Disabled Students and Director of the Counseling Center, Lee Drain Annex, or by calling (936) 294-1720.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. **NOTE: no accommodations can be made until you register with the Counseling Center.**

No assignments will be accepted after 5:00 P.M. on December 07, 2005.

“The above schedule, policies, and assignments in this course are subject to change in the Event of extenuating circumstances or by mutual agreement between the instructor and the students.”