

**COURSE SYLLABUS**  
**IT 370 / CID 6947 & 6948 / SECTION 01**  
**CONSTRUCTION TECHNOLOGY II**  
**3 CREDIT HOURS**  
**FALL 2007**

**LOCATION:** ITB, ROOM 101

**MEETING TIME:** LECTURE TIME: MONDAY 3:00 – 5:00 PM  
LAB TIME: WEDNESDAY 3:00 – 5:00 PM

**INSTRUCTOR:** KEITH L. COOGLER

**OFFICE:** ITB, ROOM 105

**CONTACT:** OFFICE PHONE: 936.294.1203  
FAX: 936.294.1193  
E-MAIL: ith\_klc@shsu.edu

**Office Hours:** Posted on bulletin board in foyer of ITB building and at ITB Room 105

**COURSE DESCRIPTION:** This course is a study of the materials and methods associated with designing, planning, construction, and finishing of cabinetwork and furniture.

**COURSE OBJECTIVES/ FORMAT:**

- At the end of the course each student will be able to:
1. Identify the tool usage and assembly procedures.
  2. Demonstrate knowledge of the procedures and techniques of fine cabinetmaking and furniture making.
  3. Prepare sketches, drawings, and procedural plans.
  4. Select the appropriate materials.
  5. Describe the materials and processes affecting the quality of the final product.

The course will consist primarily of lecture and student laboratory experiences. All students are expected to participate in all laboratory assignments.

**TEXTBOOK:** William D. Umstattd, Charles W Davis (2005). **Modern Cabinet Making.** Goodheart-Willcox Co., Inc.  
ISBN: 1-59070-376-6

**SUPPLIES:** Each student **must provide** their own safety eye protection (ANZI Z87.1). **No laboratory work will be allowed without eye protection.** Personal items (hammer, nail bag, etc.) may be used with instructors permission but in case of loss or damage to the item(s), are the student's responsibility. These items are for the individuals own use only. Wood materials will be provided for practice work (joint and jigs). The student will be required to procure wood and finishing materials for all other work.

**EXPECTATIONS:**

**ATTENDANCE** has a major influence on participation, lab assignments, and presentation. An absence affects all three grading criteria. If a student is absent, they can not participate. If a student is absent during laboratory periods, they can not demonstrate their abilities. If a student is absent, they can not exhibit their work.

Every student is expected to be present and **on time** for every class. Punctual students are normally annoyed by the disruption of those who continually walk into class late. You are tardy whether you come in late or leave early. I will take roll at the beginning of each class session. An attendance chart will be provided that **YOU** (the student) will identify your seat and sign your name to. If **YOU** (the student) do not sign in, **YOU** will be acknowledging your absence.

**Accumulate eight (8) hours absence and your grade will drop by a letter, twelve (12) hours and it drops by two (2) letters.**

In case you are absent, whether excused or unexcused, you are still responsible for the material covered. **I will feel obligated to disseminate material and instructions 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.

Should it become necessary to be absent, please inform the instructor or leave message with the department secretary – Technology program.

936-294-1191

**COURSE EVALUATION:**

Each unit of study consists of review questions, laboratory experiences and exams. A **minimum** of three examinations (tests) will be given to determine mastery of course content. Exams will constitute 30% of the total grade while laboratory activities will be worth 20%. Participation in classroom discussions and participation in laboratory management including housekeeping and control of tools and materials will be worth 20%. Presentation is worth 30% and represents the quality of workmanship of the products produced.

Grading shall be according to the following:

Participation	20%
Laboratory Assignments	20%
Presentation	30%
Exams	30%
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Total	100%

Course letter grades will be assigned according to the following:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59

**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. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

**CLASSROOM RULES AND CONDUCT:**

Laboratory safety rules must be observed at all times and will be enforced by the instructor and lab assistants. Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and pagers must be turned off before class begins. Students are prohibited from eating in class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy. No equipment may be removed from the laboratory.

**VISITORS IN THE CLASSROOM:**

Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

**DISABILITY STATEMENT:**

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.

**STUDENT ABSENCES ON RELIGIOUS HOLY DAYS 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 day(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 timeframe in which the missed assignments and/or examinations are to be completed.

**INSTRUCTOR EVALUATIONS:**

All students are asked to complete a course / instructor evaluation near the end of the semester.

**COURSE CONTENT / OUTLINE:**

- I General Overview of Course
  - A. *Introduction to Cabinetmaking*
  - B. *Cabinetry Styles*
- II Components of Design
  - A. *Design Decisions*
  - B. *Human Factors*
  - C. *Production Decisions*
- III Using Working Drawings
  - A. *Making sketches and Mock-ups*
  - B. *Producing Working Drawings*
- IV Wood Characteristics
  - A. *Lumber and Millwork*
  - B. *Cabinet and Furniture Woods*
- V Manufacturing Materials
  - A. *Panel Products*
  - B. *Veneers and Plastics Overlays*
  - C. *Glass, Plastic and Ceramic Products*
- VI Mechanical Fasteners and Hardware
- VII Tools
  - A. *Measuring and Laying Out Materials*
  - B. *Sawing with Hand and Power Tools*
- VIII Basic Skills
  - A. *Sawing*
  - B. *Surfacing*
  - C. *Drilling &, Boring*
  - D. *Shaping & Turning*
  - E. *Sanding*
  - F. *Gluing and clamping*
- IX Accessories
  - A. *Jigs, Joint Making, and Abrasives*
  - B. *Abrasives and Sanding Machines*
- X Frame and Panel components
  - A. *Cabinet Supports*
  - B. *Doors and Drawers*
- XI Finishing Decisions
  - A. *Preparing surfacing for finish*
  - B. *Applying finishing Material*
- XII Employment in Cabinetmaking

***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.***