SAM HOUSTON STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
IT 139.02 - INTRODUCTION TO COMPUTER AIDED DRAFTING - COURSE SYLLABUS

DEPARTMENT: AGRICULTURAL AND INDUSTRIAL SCIENCES - TECHNOLOGY PROGRAM
COURSE INFO: IT 139.02, SPRING 2008, CID 3792, 3 CREDIT HOURS (2-2 FORMAT)
LECTURE: FARRINGTON, ROOM 220, WEDNESDAY 12:00PM - 2:00PM
LAB: FARRINGTON, ROOM 220, WEDNESDAY 2:00PM - 3:50PM

INSTRUCTOR: DR. DOUG ULLRICH
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Office Hours by Appointment

TEACHING ASSISTANT: TIFFANY L. SPAULDING
EMAIL: TLS013@SHSU.EDU
Office Hours by Appointment


SUPPLIES: USB STORAGE DRIVE (FLASH DRIVE, 512 MB MINIMUM)
3-RING BINDER, 1" TO 1.5"

COURSE OBJECTIVES:

This course is intended to provide the student with an understanding of Computer-Aided Drafting principles. Students will utilize the software command structure of the most predominately used 2D CAD program, namely AutoCAD (ACAD), to complete a number of typical and practical drafting application exercises.

COURSE FORMAT:

This course will be a combination of lecture, demonstrations, student inquiry, and in-class problem solving. Each student will be expected to demonstrate the correct use of AutoCAD commands. The students will be required to complete a series of drawing exercises/projects and/or tests that will reflect their knowledge of the stated objectives.

ASSIGNMENTS:

See the attached course content sheet for a tentative listing of assignments. Due dates and assignment requirements will be covered in class on a per assignment basis. It is YOUR responsibility to keep track of your grade and assignments. Assignment due dates and all grades will be posted to Blackboard.

All assignments will be submitted to the corresponding “drop box” in Blackboard. Assignments will be due before class begins (therefore the Blackboard cut off time for submittal for full credit is 12:00PM every Wednesday). Late work penalties will be determined by the submittal time stamp on Blackboard and is discussed under Attendance, Item 7.

It is the student’s responsibility to ensure that the correct file is uploaded to the correct drop box. No credit will be given if Assignment 6 is uploaded to Assignment 5’s drop
BOX. ALL ASSIGNMENT FILES WILL BE SAVED ONTO THE STUDENT’S USB Flash Drive in the following format…”(LAST NAME) (FIRST NAME) – (ASSIGNMENT #)”

**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. **YOU WILL SIGN IN WITH THE INSTRUCTOR UPON ARRIVAL AND SIGN OUT UPON DEPARTURE.** Failure to sign out will result in a tardy for leaving early. Three tardies will be the equivalent of one absence.

2. IF YOU ARE ABSENT, YOU ARE STILL RESPONSIBLE FOR THE MATERIAL COVERED AND WILL BE HELD ACCOUNTABLE TO THE SAME DUE DATES, REGARDLESS OF WHEN YOU BEGIN THE ASSIGNMENT.

3. **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. Assignments will be posted on Blackboard the day they are assigned and due dates will be posted. You would be wise to establish relationships with fellow students to ensure you remain well informed and adequately prepared for exams.

4. **EACH PROJECT IS TO BE DONE ON AN INDIVIDUAL BASIS.** There is a fine line between assisting and cheating. Be careful. I notice and punish plagiarism of any sort.

5. **EXPECT TO SPEND A MINIMUM OF THREE HOURS IN LAB PER WEEK ON TOP OF LECTURE TIME.**

6. **CLASS WILL END WHEN YOU ARE FINISHED WITH THE LAB ASSIGNMENTS FOR THE DAY (POST-SUBMITTAL FOR GRADING) OR AT 3:50PM, WHICHEREVER COMES FIRST.**

7. **LATE WORK WILL BE PENALIZED 10 POINTS OFF PER DAY LATE including holidays, weekends, and non-class days. Absences do not exempt you from the responsibility of turning material in on time, nor do they extend the due date of any assignment.**

8. **THERE WILL BE NO REPEAT QUIZZES, EXAMS, PROJECTS, PRESENTATIONS, OR ANY MAKE-UP ASSIGNMENTS EXCEPT FOR EXTEMATING CIRCUMSTANCES DOCUMENTED BY STUDENT LIFE OR BY MUTUAL AGREEMENT PRIOR TO THE ABSENCES BETWEEN THE INSTRUCTOR AND THE STUDENT. SUCH AGREEMENTS WILL BE IN WRITING AND CONTAIN DATED SIGNATURES FROM BOTH PARTIES.**

9. **PERFECT ATTENDANCE POLICY:** any student with perfect attendance will have the option to be exempt from the final exam if they have earned enough total points to receive an A or B when averaging all grades except the final exam. In such cases, the points from the final exam will not be counted in their total points and the grade before the final exam will become the course grade. (Documented and approved by instructor absences will not count against you.)

**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 confiscated for 24 hours.**
- **Eating, drinking and tobacco products are not allowed in the computer labs at any time.**
- **No equipment may be removed from the laboratory.**
- **Talking at inappropriate times, sleeping, horseplay, pranks or other acts of mischief is prohibited.**
SAVING YOUR FILES:
As part of the course supplies, a USB flash drive is required for students to save all work to. It is the responsibility of the student to keep the flash drive with them at all times. I highly recommend using an email service provider with large storage as a back-up means of transferring files.

Do not save files to the SHSU server. No sympathy will be given for lost files, saved over files, or system crashes. This is your warning...

GRADING:
1. **Exams:** Tests will consist of written questions in formats such as but not limited to the following: multiple choice, true/false, matching, completion, short answer, essay, sketching, critical thinking, problem solving, command identification, and timed performance problems utilizing the software. See Course Content for dates.

2. **Quizzes:** Expect a quiz on any week that there is no scheduled exam. 20 questions max. Paper format, online using Blackboard, or software based. Quizzes start promptly at 12:00pm and are timed. If you come in late, no time extension will be given.

3. **Lab Assignments / Drawings:** Each assignment will have a due date and should be completed during your scheduled lab period. Work is due at the beginning of the next class period. Late work will be penalized one letter grade for each day it’s late, work more than one week late will receive a zero.

**Point Accumulation Breakdown:**

<table>
<thead>
<tr>
<th></th>
<th>%</th>
<th>Points Possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>40%</td>
<td>500</td>
</tr>
<tr>
<td>Exams (Including Final)</td>
<td>40%</td>
<td>500</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
<td>250</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
<td>1250</td>
</tr>
</tbody>
</table>

A = 100% to 90.0% 1250 to 1125 Points
B = 89.9% to 80.0% 1124 to 1000 Points
C = 79.9% to 70.0% 999 to 875 Points
D = 69.9% to 60.0% 874 to 750 Points
F = 59.9% to 0% 749 to 0 Points

***Note: Grades are true to their final score. No rounding will be considered.***

**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 a drawing): First time offense will result in the test or assignment being counted as a zero and (this applies to the person who copied and the person who willingly allowed or supplied the data to be copied). This is why an electronic version of your work must also be submitted in the BB “drop box” so that I may do random checks. If the student repeats the violation, the course grade will be assigned as ‘F’.
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.

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 accommodation can be made until you register with the Counseling Center.

“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.”

Spring 2008 - Spaulding
IT 139.02 COURSE CONTENT – SPRING 2008

WEEK #1 
January 16, 2008

OBJECTIVE: INTRODUCTION, SYLLABUS, SOFTWARE…
BOOK: GO BUY IT…
QUICK QUIZ: 0 (50 PTS)
ASSIGNMENTS:
• 1A (10 PTS) QUESTIONNAIRE DUE BY END OF CLASS, PAPER FORMAT

WEEK #2 
January 23, 2008

OBJECTIVE: FUNDAMENTALS OF AUTOCAD: GETTING AROUND WITHOUT GETTING IN TROUBLE
BOOK: INTRODUCTION & CHAPTER 1
QUICK QUIZ: 1 (20 PTS)
ASSIGNMENTS:
• 2A (10 PTS) PRINT BORDER
• 2B (10 PTS) GUIDE PLATE
• 2C (10 PTS) TBA
• 2D (10 PTS) TBA DUE BY 12:00PM JAN. 30, 2008 ONLINE

WEEK #3 
January 30, 2008

OBJECTIVE: BASIC COMMANDS AND OBJECT CONSTRUCTION
BOOK: CHAPTER 2
QUICK QUIZ: 2 (20 PTS)
ASSIGNMENTS:
• 3A (10 PTS) TBA
• 3B (10 PTS) TBA
• 3C (10 PTS) TBA
• 3D (10 PTS) TBA DUE BY 12:00PM FEB. 06, 2008 ONLINE

WEEK #4 
February 06, 2008

OBJECTIVE: MULTIVIEW, GEOMETRIC CONSTRUCTION AND EDITING TOOLS
BOOK: CHAPTER 3
QUICK QUIZ: 3 (20 PTS)
ASSIGNMENTS:
• 4A (10 PTS) TBA
• 4B (10 PTS) TBA
• 4C (10 PTS) TBA DUE BY 12:00PM FEB. 13, 2008 ONLINE

WEEK #5 
February 13, 2008

***EXAM #1 OVER ALL INFORMATION COVERED TO DATE (100 PTS)***

OBJECTIVE: ORTHOGRAPHIC VIEWS
BOOK: CHAPTER 5
QUICK QUIZ: none (exam instead)
ASSIGNMENTS:
• 5A (10 PTS) TBA
• 5B (10 PTS) TBA
• 5C (10 PTS) TBA
• 5D (10 PTS) TBA DUE BY 12:00PM FEB. 20, 2008 ONLINE
**WEEK #6**

**OBJECTIVE:** Floor Plans, Object Properties, Drawing Organization  
**BOOK:** Chapter 4  
**QUICK QUIZ:** 4 (20 PTS)  
**ASSIGNMENTS:**  
- 6A (10 PTS)  TBA  
- 6B (10 PTS)  TBA  
  DUE BY 12:00PM FEB. 27, 2008 ONLINE

**WEEK #7**

**OBJECTIVE:** Title Block, Layers, Templates, Plotting  
**BOOK:** Chapter 7  
**QUICK QUIZ:** NONE (EXAM INSTEAD)  
**ASSIGNMENTS:**  
- 7A (10 PTS)  TITLE BLOCK DESIGN  
- 7B (10 PTS)  TBA  
- 7C (10 PTS)  TBA  
  DUE BY 12:00PM MAR. 05, 2008 ONLINE

**WEEK #8**

**OBJECTIVE:** Dimensioning  
**BOOK:** Chapter 6  
**QUICK QUIZ:** 5 (20 PTS)  
**ASSIGNMENTS:**  
- 8A (10 PTS)  CORRECT & DIMENSION 6A  
- 8B (10 PTS)  CORRECT & DIMENSION 6B  
- 8C (10 PTS)  CORRECT & DIMENSION 5C  
- 8D (10 PTS)  CORRECT & DIMENSION 5D  
  DUE BY 12:00PM MAR. 19, 2008 ONLINE

**SPRING BREAK**

--- SPRING BREAK ---

**WEEK #9**

**OBJECTIVE:** Auxillary Views and Grips  
**BOOK:** Chapter 8  
**QUICK QUIZ:** 6 (20 PTS)  
**ASSIGNMENTS:**  
- 9A (10 PTS)  TBA  
- 9B (10 PTS)  TBA  
- 9C (10 PTS)  TBA  
  DUE BY 12:00PM MAR. 26, 2008 ONLINE

**WEEK #10**

**OBJECTIVE:** Section Views  
**BOOK:** Chapter 9  
**QUICK QUIZ:** 7 (20 PTS)  
**ASSIGNMENTS:**  
- 10A (10 PTS)  TBA  
- 10B (10 PTS)  TBA  
- 10C (10 PTS)  TBA  
  DUE BY 12:00PM APRIL. 02, 2008 ONLINE
WEEK #11  APRIL 02, 2008

**OBJECTIVE:** ISOMETRIC AND OBLIQUE VIEWS

**BOOK:** HANDOUT IN CLASS AND TBA

**QUICK QUIZ:** 7 (20 PTS)

**ASSIGNMENTS:**
- 11A (10 PTS) TBA
- 11B (10 PTS) TBA
- 11C (10 PTS) TBA
- 11D (10 PTS) TBA  DUE BY 12:00PM APRIL. 09, 2008 ONLINE

WEEK #12  APRIL 09, 2008

***Exam #3 OVER ALL INFORMATION COVERED TO DATE (100 PTS)***

**OBJECTIVE:** ASSEMBLY DRAWINGS & BLOCKS

**BOOK:** CHAPTER 10

**QUICK QUIZ:** NONE

**ASSIGNMENTS:**
- 12A (10 PTS) TBA
- 12B (10 PTS) TBA
- 12C (10 PTS) TBA  DUE BY 12:00PM APRIL. 16, 2008 ONLINE

WEEK #13  APRIL 16, 2008

**OBJECTIVE:** BASIC 3D

**BOOK:** HANDOUT IN CLASS

**QUICK QUIZ:** 8 (20 PTS)

**ASSIGNMENTS:**
- 13A (10 PTS) TBA
- 13B (10 PTS) TBA
- 13C (10 PTS) TBA  DUE BY 12:00PM APRIL. 23, 2008 ONLINE

WEEK #14  APRIL 23, 2008

**OBJECTIVE:** MORE 3D & BEGIN FINAL PROJECT – PUTTING IT ALL TOGETHER

**BOOK:** HANDOUT IN CLASS

**QUICK QUIZ:** 9 (20 PTS)

**ASSIGNMENTS:**
- 14A (10 PTS) TBA
- 14B (10 PTS) TBA
- 14C (10 PTS) TBA  DUE BY 12:00PM APRIL. 30, 2008 ONLINE
- BEGIN FINAL PROJECT…
WEEK #15 APRIL 30, 2008

**OBJECTIVE:** Finish Final Project

**BOOK:** Handout in class

**QUICK QUIZ:** 10 (20 pts)

**ASSIGNMENTS:**
- 15A (20 pts) Final Project **DUE BY 12:00PM MAY 07, 2008 ONLINE**
- Portfolio (30 pts) **DUE BY 12:00PM MAY 07, 2008 IN CLASS**
  - Must be in a 3 ring binder
  - Separated by family group with labeled tab dividers (section, auxiliary, 3D, multiview, etc.)
  - Include every drawing assignment that has been completed in this class. They should have been graded and are your responsibility to get out of the graded pile. Instructor will not pass them back to you.
  - Each week pick a drawing you did, complete a “Reflection” over this assignment, and attach it behind the drawing.
  - See given Reflection example to help you with this process.
  - Original graded prints will be included in a “graded” tab at the back of the portfolio. Prints for front sections should be clean copies of a final quality with no grade markings.
  - Must be turned in on Week #15 and picked up during Final Exam time in week #16 or it will be thrown away or kept by our offices as example for future students.

WEEK #16 MAY 07, 2008

**OBJECTIVE:** Presentations and Portfolios

**BOOK:** None

**QUICK QUIZ:** None

**ASSIGNMENTS:**
- Turn in Portfolio
- Give Oral Presentation to classmates (20 pts) **DUE IN CLASS MAY 07, 2008**
- Study for Final

FINALS WEEK MAY 14, 2008

**FINAL EXAM:** Wednesday, 2:00PM – 4:00PM

- Written portion on Blackboard (100 pts)
- Practical in lab (100 pts)