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## COURSE SYLLABUS

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Computer Aided Drafting & Design  
Industrial Technology Department  
Technical Education Division  
South Plains College  
Levelland Campus

**Instructor:** Jason R. Bush, AIA  
**Office:** Technical Arts Center, 205A  
**Phone:** (806) 716-2351  
**Email:** [jbush@southplainscollege.edu](mailto:jbush@southplainscollege.edu)  
**Office Hours:** M-Th: 4:00pm-5:30pm (by appt.)  
F: 8:00am-12:00pm

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### COURSE INFORMATION

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<b>COURSE NUMBER</b>	ARCE-1352-001
<b>COURSE TITLE</b>	Structural Drafting
<b>PREREQUISITE(S)</b>	<i>DFTG 1317</i>
<b>LOCATION</b>	TA 207B
<b>MEETING TIME</b>	M/W 8:00a – 10:40p
<b>TEXTBOOK</b>	<i>Structural, Civil, and Pipe Drafting, 2<sup>nd</sup> Edition</i> by David L. Goetsch, Delmar Cengage Learning, ISBN: 9781133949398
<b>DESCRIPTION</b>	A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems. Includes detailing of concrete, wood, and steel to meet industry standards including the American Institute of Steel Construction and The American Concrete Institute.
<b>SCOPE</b>	The scope of <u>Structural Drafting</u> will be for sixteen weeks, which will include two (2) hours of lecture per week and four (4) hours of laboratory experience per week, for a total of ninety-six (96) contact hours per semester.
<b>COURSE OUTCOMES</b>	Identify components of structural systems, use reference materials, produce drawings for concrete, wood and steel framing systems, draw design details and connections for framing components, draw column and beam details for manufacture and assembly utilizing various fastening methods
<b>COURSE TOPICS</b>	<ol style="list-style-type: none"><li>1) Classifications of Structural Elements and Systems</li><li>2) Plan Development (including framing plans, foundation plans, etc.)</li><li>3) Elevations and Sections</li><li>4) Drawing and detailing Concrete, Wood and Steel Structural Systems</li><li>5) Understanding Reference Materials</li><li>6) Title Blocks and Construction Documents</li><li>7) Plotting, Printing &amp; Publishing</li></ol>

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### GRADING

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<b>WEIGHTS</b>	Attendance	<b>30%</b>	<b>SCALE</b>	<b>A</b>	90 – 100%
	Assignments	<b>40%</b>		<b>B</b>	80 – 89%
	Final Project	<b>30%</b>		<b>C</b>	70 – 79%
				<b>D</b>	60 – 69%
				<b>F</b>	59% or Below

**ASSIGNMENTS** Practical drawing and/or research assignments will be periodically assigned to demonstrate proficiency in various topics covered in class. These assignments are to be completed during laboratory time and will be graded on but not limited to the following items:

1. Neatness

2. Line Criteria
3. Text Criteria
4. Dimensioning Criteria
5. Layer Management Criteria
6. Correctness & Accuracy
7. Nomenclature
8. File Name Management and/or Digital Image File Creation

**FINAL PROJECT**

The Final Project will be assigned near the end of the semester and will be used to demonstrate a practical proficiency in the various topics covered in class throughout the semester. The final project is intensive and will require multiple laboratory periods to complete.

**CLASSROOM POLICIES**

**ATTENDANCE**

**Three absences**, for any reason are allowed per semester. Tardiness, defined as not being present in class within 5 minutes of the start of class, will count as ½ absence. Your grade will drop one letter grade for each absence over the allowable limit. Six absences will be grounds for the instructor to administratively withdraw the student from the course.

If a student has not participated in a course(s) in any form for a minimum of 3 weeks, without any communication from the student and is earning a solid “F”, an administrative withdrawal will be considered. The student will be contacted and encouraged to initiate a student withdrawal. After an additional week, faculty will initiate an administrative withdrawal.

**WITHDRAWAL**

Any student wishing to drop this class should go through the proper procedure of initiating the withdrawal by obtaining a **drop form** from the Registrar's Office. This form must be signed by the instructor.

**OTHER POLICIES**

Food and drink will be allowed at a student’s work station as long as computers are not affected in a negative way. All drinks must be stored away from computer so as not to damage any component. All workstations must be thoroughly cleaned before a student leaves class.

Music is allowed in the classroom during lab time as long as it is played through headphones.

Cellphones are permitted during lab time when used directly for research or class initiatives. If your cell phone rings, please excuse yourself from the class to address the call.

Students should adhere to all other standards established in the SPC Catalog found under *Student Conduct*.

**ACCOMMODATIONS**

**Diversity Statement**

In this class, the teacher will establish and support an environment that values and nurtures individual and group difference and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

**Disabilities Statement**

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the

Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Lubbock Centers (located at the Lubbock Downtown Center) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

### **Non-Discrimination Statement**

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

### **Title IX Pregnancy Accommodations Statement**

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Health and Wellness Center. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Health and Wellness Center at 806-716-2529 or [email dburleson@southplainscollege.edu](mailto:dburleson@southplainscollege.edu) for assistance.

### **COVID Statement**

If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or test for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu) or 806-716-2376. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy, etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu).

A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication.

Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

### **Campus Concealed Carry**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.