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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:** Nathaniel Feddes, MCRP  
**Office:** Technical Arts Center, 205A  
**Phone:** 806.716.2351  
**Email:** [nfeddes@southplainscollege.edu](mailto:nfeddes@southplainscollege.edu)  
**Office Hrs:** T/R: 11a-1p  
F: 9a-12p (by appt)

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### COURSE INFORMATION

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<b>COURSE NUMBER</b>	DFTG 1302-001
<b>COURSE TITLE</b>	Introduction to Technical Animation and Rendering
<b>PREREQUISITE(S)</b>	None
<b>LOCATION</b>	TA 207B
<b>TEXTBOOK</b>	<i>Autodesk 3ds Max Design 2019, Fundamentals</i> , SDC Publishing, ISBN 978-163-057-203-7
<b>DESCRIPTION</b>	This course is a basic study of technical computer models and animation.
<b>SCOPE</b>	The scope of <u>Introduction to Technical Animation and Rendering</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 basic terminology and concepts associated with the development of technical computer models and animation; create a technical 3-D simulation using lighting, cameras, materials, textures, views, and scenes; and demonstrate importing models from computer-aided design or solid modeling programs.
<b>COURSE TOPICS</b>	<ol style="list-style-type: none"><li>1) Introduction to Autodesk 3ds Max</li><li>2) Basic Modeling Techniques</li><li>3) 2D Objects and Splines</li><li>4) Working with Architectural Objects</li><li>5) Modifiers</li><li>6) Materials and Maps</li><li>7) External References (XREFs)</li><li>8) Lighting and Cameras</li><li>9) Exposure Control, Daylight and Rendering</li><li>10) Animation</li><li>11) Systems, Hierarchies and Kinematics</li></ol>

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## GRADING

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<b>WEIGHTS</b>	Daily Assignments	<b>20%</b>	<b>SCALE</b>	<b>A</b>	90 – 100%
	Review Questions	<b>20%</b>		<b>B</b>	80 – 89%
	Projects	<b>30%</b>		<b>C</b>	70 – 79%
	Exams	<b>20%</b>		<b>D</b>	60 – 69%
	Attendance	<b>10%</b>		<b>F</b>	59% or Below

**DAILY ASSIGNMENTS** Each student will be given an assignment to be completed during the laboratory period.

**REVIEW QUESTIONS** Students will be assigned review questions for each chapter covered in the textbook, as well as for other topics covered in lecture. Review questions will be returned to students for studying purposes for future exams.

**PROJECTS** Projects will be periodically assigned to demonstrate a practical proficiency in various topics covered in class. These projects are intensive and typically require multiple laboratory periods to complete.

**EXAMS** Exams will be comprised of practical skills and objective material. Typically, there is one (1) midterm and one (1) final exam.

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## CLASSROOM POLICIES

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**DISCLAIMER** The instructor reserves the right to amend any class policies or syllabus content as deemed necessary by South Plains College and will announce such changes ahead of time to the class. If a student has any questions about a change in policy, they have the right to discuss said change with the instructor.

**ATTENDANCE** **Three absences**, for any reason, are allowed per semester. Tardies, defined as not being present in class within 5 five minutes of the start of class, will count as ½ absence. Your grade will drop one letter grade per each absence over the allowable limit. Six absences could result in the student being dropped from the course.

Whenever absences become excessive, an **Excessive Absence Report** will be sent to the Dean of Students and, if in the instructor's opinion, minimum course objectives cannot be met due to absences, the student may be withdrawn from the course with the appropriate letter grade X, W, or F.

**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*.

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## ACCOMMODATIONS

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### **Diversity Statement**

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences 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**

Any students who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make and necessary arrangements. Students must present appropriate verification from the SPC Disability Service Office during the instructor's office hours. Please note that instructors are not allowed to provide classroom accommodations until appropriate verification from the SPC Disability Service Office has been provided. For more information, you may contact the Disability Services Office (located in the Health & Wellness Center) at 806-716-2529 or visit <http://www.southplainscollege.edu/health/disabilityservices.php>

### **Equal Opportunity, Harassment, and 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.

South Plains College is dedicated to providing a safe and equitable learning environment for all students. Discrimination, sexual assault, and harassment are not tolerated by the college. The Health and Wellness Center offers confidential support (806-716-2529) and Voice of Hope has a 24-hour hotline (806-763-7273). You are encouraged to report any incidents online at <http://www.southplainscollege.edu/about/campusafety/complaints.php>

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

If you are pregnant, or have given birth been within six months, under Title IX you have a right to reasonable accommodations to help continue your education. Students who wish to request accommodations must contact the Health and Wellness Center at 806-716-2529 to initiate the process.

### **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, please refer to the SPC policy at:

[http://www.southplainscollege.edu/human\\_resources/policy\\_procedure/hhc.php](http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.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.