

# Sul Ross State University

A Member of the Texas State University System

CSAT 2110 – Graphics Programming – Fall 2016

Instructor: Dr. Kennard R. Lavers

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Office hours:

MW 8:00am-9:00am and 1:30pm - 2:00pm

TTH 8:00am-9:30am and 12:30pm - 1:00pm

F 10:00am - 11:00am

## **Class Meeting Time**

TUE 1:00pm – 1:50 pm BAB 303

## **Program Learning Objective**

1. Understand the fundamental concepts of computer science including algorithms and data structures.
2. Understand modern computer systems, databases and networking.
3. Display an understanding and ability to implement current programming methodologies.
4. Become proficient with systems design based on object-oriented programming.
5. Work as a team in workgroup environments.

## **Course Objectives:**

This course provides an in-depth look at modern computer graphics technologies and introduces students to programming graphics in a modern game engine called Unity. Students will learn how to write scripts that will automate imported graphics and will learn how to reduce draw calls to optimize graphic intensive applications.

**Textbook:**

None required

**Teaching Methods**

Assignments: Exercises will be periodically assigned to help support and supplement course lectures. No make ups are allowed, unless medical or extreme conditions are considered. Tests, assignments and final exam will be delivered through Blackboard with a date and time limit. No make ups are allowed, unless medical or extreme conditions are considered.

**Attendance**

Any student who accumulates 10 **unexcused** absences (MWF Classes) or 7 **unexcused** absences (MW classes) will be automatically dropped from this course.

**Grading**

Letter grades will be determined using a standard percentage point evaluation as outlined below.

A 90 - 100 points

B 80 - 89 points

C 70 – 79 points

D 60 – 69 points

F Below 60 points The final grade will be computed on the following weights:

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**Course Policies**

Exams, quizzes and assignments: NO MAKE UPS ARE ALLOWED, unless medical or extreme conditions are present.

**Academic dishonesty**

You are expected to do your own work on all assignments, exams, quizzes, and projects. Any dishonest work will be penalized with a grade of zero.

**Need for assistance**

Qualified students with disabilities needing academic or other accommodations to ensure full participation in the programs, services and activities at Sul Ross State University should contact the

Disabilities Services Coordinator, in Counseling and Prevention Services, Ferguson Hall 112, Box C-117, Alpine, Texas 79832.

**Posting of Grades**

As soon as assignments, tests and final exam are graded, the grades will be posted in Blackboard.