Course Syllabi

1. *Course number and name*
   COSC 4345: Computer Graphics

2. *Credits and contact hours*
   3 Credit Hours

3. *Instructor's or course coordinator's name*
   Instructor: Leonard Brown

4. *Textbook, title, author, and year*
   Interactive Computer Graphics: A Top-Down Approach with WebGL, 7th
   Edition, Edward Angel & Dave Shreiner, Prentice-Hall, Pearson, 2015.

   a. *Other supplemental materials*
   None

5. *Specific course information*
   a. *A brief description of the content of the course (catalog description)*
   Graphics hardware, software, and applications. Data structures for
   graphics, graphic languages, computer-aided design, and three-
   dimensional graphics.

   b. *Prerequisites or co-requisites*
   COSC 2336 (Data Structures and Algorithms)

   c. *Indicate whether a required, elective, or selected elective course in the
   program*
   Elective course for BSCS program

6. *Specific goals of the course*
   a. *Specific outcomes of instruction, The student will be able to*:
      1. Offer a meaningful critique of graphical and multimedia interfaces
         that incorporates an understanding of the principles of HCI design.
      2. Apply the principles that underpin the design of graphics and
         multimedia systems.

3. Describe the range of tools that can be used to support the development of graphical and multimedia systems.
4. Use existing graphics and multimedia packages to develop appropriate graphical applications.

7. *Brief list of topics to be covered*
   - Geometric algorithms
   - Building a simple graphical user interface
   - Human-centered software evaluation
   - Human-centered software development
   - Graphical user-interface design
   - Graphical user-interface programming
   - Fundamental techniques in graphics
   - Graphic systems
   - Graphic communication
   - Geometric modeling
   - Basic rendering
   - Computer animation
   - Virtual reality
   - Multimedia information and systems

COSC 4345 – Computer Graphics – Spring 2020

General Information

Instructor	Leonard Brown
Office Location	Soules 315.03
Office Hours	MWF 12:20 p.m. – 1:20 p.m. (or by appointment)
Phone	(903) 566-7403
Email	lbrown@uttyler.edu
Class Time/Location	MWF 1:25 p.m. – 2:20 p.m. / Soules 255

Exams: There will be three midterm exams and one final exam given for this class. All exams will be held in the class lecture room. The midterm exams will be during the regular class time. The *tentative* dates of the exams are:

Exam I	February 17, 2020
Exam II	March 20, 2020
Exam III	April 13, 2020
Final Exam	**(See University Schedule)**

You will be notified in advance of any change in the above dates.

Grading: There are several components to the course grade totaling 1000 points. The point distribution is as follows:

Exam I	100 points
Exam II	100 points
Exam III	100 points
Homework Assignments/Quizzes	400 points
Final Examination	300 points

Course grades will be assigned based on the following scale.

900-1000	A
800-899	B
700-799	C
600-699	D
599 and below	F

Late Policies: All homework assignments are due at the beginning of class on the date specified in the assignment. Assignments will not be accepted after that time. In order to accommodate problems that may arise during the semester, there will be an opportunity to resubmit one assignment at the end of the semester.

Plagiarism: Unless otherwise specified, all work submitted for a grade must be completed by yourself. You are not to submit another person's work and claim it as your own. Plagiarism will result in disciplinary actions. To spare yourself accusations of plagiarism-

1. Do not show another student a copy of your work before it has been graded. The penalties for permitting your work to be copied are the same as the penalties for copying someone else's work.
2. Do not leave printouts of your work where other students may pick them up.

Additional Policies: http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf

Academic Calendar and
Final Exam Schedule: https://www.uttyler.edu/academics/academic-calendar.php