

Course Syllabi

1. *Course number and name*
COSC 5390: Topics in Computer Science
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*
 - *Introduction to Game Design, Prototyping, and Development*, Bond, 2nd Edition, Addison-Wesley, 2018, ISBN 0-13-465986-4
 - a. *Other supplemental materials*
None
5. *Specific course information*
 - a. *A brief description of the content of the course (catalog description)*
This course provides an introduction to problem modeling, algorithm design and implementation in a modern programming language. The programming language used will vary from semester to semester depending on the needs of students and industry.
 - b. *Prerequisites or co-requisites*
COSC 1315 or COSC 1336
 - c. *Indicate whether a required, elective, or selected elective course in the program*
Elective course
6. *Specific goals of the course*
 - a. *Specific outcomes of instruction, The student will be able to:*
 - Describe the purpose of gaming engines
 - Manipulate game objects to create a scene
 - Build a game environment including terrain and lighting
 - Be able to create and execute scripts to control game play
 - Distinguish between various types of events for event-driven programming
 - Incorporate External Assets and Models into a game

- b. *Explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course*

Course address ABET Student Outcome(s):

7. *Brief list of topics to be covered*

- Game Engines
- Unity Interface
- Objects and Assets
- Terrain and Lighting
- Scripting
- Animations

COSC 5390 – Topics in Computer Science – Summer 2021

General Information

Instructor	Leonard Brown
Office Location	COB 315.03
Office Hours	TR 12:30 p.m. – 2:00 p.m. (or by appointment)
Phone	(903) 566-7403
Email	lbrown@uttyler.edu
Class Time	TR 10:50 a.m. – 12:30 p.m.
Class Location	COB 255

Exams: There will be one midterm exam and one final exam given for this class. The exams will be given through Canvas. The midterm and final exams will be given during the regular class time. The *tentative* dates of the exams are:

Midterm Exam	July 1, 2021
Final Exam	August 5, 2021

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:

Midterm Exam	250 points
Homework Assignments/Quizzes	500 points
Final Examination	250 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 11:59 p.m. on the date specified in the assignment. Assignments submitted after the due date (even if it is by one minute) are considered late. There is a 20% penalty for assignments submitted late. Assignments will not be accepted after 48 hours.

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.

Important Covid-19 Information for Classrooms and Laboratories: Students are required to wear face masks covering their nose and mouth, and follow social distancing guidelines, at all times in public settings (including classrooms and laboratories), as specified by Procedures for Fall 2020 Return to Normal Operations. The UT Tyler community of Patriots views adoption of these practices consistent with its Honor Code and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature will be excused from class and should stay at home and may join the class remotely. Students who have difficulty adhering to the Covid-19 safety policies for health reasons are also encouraged to join the class remotely. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.

Recording of Class Sessions: Class sessions may be recorded by the instructor for use by students enrolled in this course. Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Course recordings should not be shared outside of the course in any form without express permission.

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

Academic

Calendar: <https://www.uttyler.edu/schedule/files/academic-calendar-20-21.pdf>