

CS 230: Computer Graphics

Syllabus

Summer 2017

General

- Lecture: Online (released MWF)
- Website: <http://www.cs.ucr.edu/~craigs/courses/2017-summer-cs-230/index.html>
- Textbook: Fundamentals of Computer Graphics, by Shirley, Ashikhmin, Marschner
- Other resources: OpenGL Programming Guide, by Shreiner, The Khronos OpenGL ARB Working Group
- Piazza: <http://piazza.com/ucr/summer2017/cs230/home>
 - Sign up: <http://piazza.com/ucr/summer2017/cs230>

Instructor

- Craig Schroeder
- Office: Skype; TBD
- Email: craigs@cs.ucr.edu

Website

The course website contains all of the information that you should need about the class, including a schedule for all of the major elements of the course (lecture notes, projects). All materials will be posted there. Important announcements will also occasionally be made on the website as well as in class.

Projects

This course will have three programming projects. The first two projects are to be completed individually. Each will be submitted twice. The first is a checkpoint, which is intended to encourage steady progress on the project. Details of how much must be done by each checkpoint will be available on the website. Extra credit is possible for both projects; instructions on how to take advantage of this are also on the website. You have two free late days, which you may apply to these projects or checkpoints. You may apply one late day to each of two submissions or both late days to one submission. No late submissions will be accepted once these late days are exhausted. These will be submitted on iLearn.

The third programming project is a task of your choosing. This project may be completed individually or with a partner. The project should be related to physically-based simulation, though alternatives may be approved under special circumstances. You will submit a writeup for this project, which will be used to determine your grade. You will not turn in code for this project.

Participation

In-class participation is required and will include brief weekly online quizzes. Most quizzes will be very short (3-5 minutes) and have up to 5 questions. (For weeks that cover more difficult material, the quizzes will be longer and have fewer questions.) There will be a quiz each week, except for the first week. Quizzes will be released through iLearn on Wednesday and are due on Friday at 11:59pm PDT (that is, you will have a window of just over two days to take the quiz). You may take the quiz at any time during this period, but you may only attempt the quiz once. Quizzes will cover material from the previous week up to Wednesday of the current week. There are no make-up quizzes, but the lowest two quiz scores will be dropped. You may use any materials you like while taking the quiz, but you must take the quiz alone. Given the short duration of the quiz, my recommendation is to take notes while you watch the lectures and then review your notes from the past two weeks just before you start the quiz. The quizzes will be a mixture of multiple choice, true/false, and free-response as is appropriate for the material covered. I will post a *practice* quizzes in the first week (unlike the graded quizzes, it can be retaken and is never due), which you may use to check for technical problems and get a feel for what the quiz format will look like. The practice quiz is not graded.

Grading

Your grade will be computed according to the grading scheme below. The lowest two quiz scores will be dropped when computing your grade.

Item	Contribution
Project 1 checkpoint	10%
Project 1	20%
Project 2 checkpoint	10%
Project 2	20%
Project 3	25%
Participation	15%

Academic integrity

Cheating is harmful to other students and the academic environment, and we take it very seriously. We will be checking for plagiarism and cheating using an online tool. This tool tests checks submissions against those of other students and code found online, including submissions from prior years, and even when substantial effort is made to disguise the cheating. Any violations of this policy will result in an 'F' for the course and a referral to the campus academic integrity committee.