

CS 101: Computer Science Seminar
Fall 2021
Tuesday 12:00

Instructor Information

Name: S. Seth Long, Ph.D
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Office Hours: Monday 2:00-3:00, Thursday 11:00-12:00
Course Website: <http://isoptera.lcsc.edu/~seth/cs101>

Course Goals

This class is intended to introduce students to the computer science profession. This includes current issues in computer science, emerging fields such as bioinformatics, and important skills regarding communication of technical information. Upon conclusion of the class, students should have a broad understanding of the field of computer science.

Learning Outcomes

After this class, students should:

- Understand the Computer Science Profession
- Have been introduced to a variety of current issues in computer science
- Have practiced oral communication skills

Textbook

“Virtual Unreality”, by Charles Seife

Grading

Your grade will be calculated based on the following items:

Item	Percentage of grade
Assignments	25%
Participation	25%
Presentation	25%
Book Report	25%

Grades will be assigned according to a standard curve, that is:

- A: 90% +
- B: 80%- 90%
- C: 70%- 80%
- D: 60%- 70%
- F: less than 60%

Use of + or - grades (such as B+ or A-) and curves will be at the instructor’s discretion.

Deadlines and late work

Late work will not be accepted, except in unusual circumstances by instructor discretion. However, partial credit will be given for partially-completed work. It is better to turn in an unfinished assignment for partial credit than to not turn in something on time and receive a 0.

Attendance

Attendance will not be taken in this class except as required for financial aid purposes. However, all material presented during lecture is “fair game” for the midterm and final, and information which is useful to complete projects may be given at any time. Therefore I recommend that you always attend class.

Campus COVID-19 Policy

“To maximize protection from the Delta variant and prevent spreading it, LC State is requiring all members of the campus community – regardless of vaccination status – to wear a face covering in indoor spaces where others are present, at least through the post-holiday weekend infection window (Friday, Sept. 17).”

Course Calendar

Fall 2021 CS101 Tentative Schedule	
Week	Course Content
Aug 24	Course Introduction, Computer Science
Aug 31	Fractals and Technical Assignment
Sep 7	Bioinformatics
Sep 14	Machine Learning
Sep 21	Networks
Sep 28	OpenGL: Graphics and 3D
Oct 5	OpenGL: More on Graphics and 3D
Oct 12	Presentations 1
Oct 19	Presentations 2
Oct 26	Presentations 3
Nov 2	Presentations 4
Nov 9	Presentations 5
Nov 16	Presentations 6
Nov 23	Thanksgiving Break
Nov 30	Robotics or Image Analysis
Dec 7	Course conclusion
Dec 14	No class (Final's Week)