

**CS 101: Computer Science Seminar**  
**Fall 2017**  
**Tuesday 12:00**

**Instructor Information**

Name: S. Seth Long, Ph.D  
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Office Hours: Monday 2:00-3:00, Thursday 9:30-10:30  
Course Website: <http://isoptera.lscs.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.

**Textbook**

“Virtual Unreality”, by Charles Seife

**Grading**

Your grade will be calculated based on the following items:

Item	Percentage of grade
Assignments	30%
Participation	20%
Presentation	30%
Book Report	20%

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. 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.

Fall 2017 CS101	
Week	Course Content
Aug 21	Course Introduction, Computer Science
Aug 28	Fractals
Sep 4	Bioinformatics
Sep 11	Machine Learning
Sep 18	Networks
Sep 25	OpenGL: Drawing
Oct 2	OpenGL: Loading a file
Oct 9	Presentations 1
Oct 16	Presentations 2
Oct 23	Presentations 3
Oct 30	Presentations 4
Nov 6	resentations 5
Nov 13	Presentations 6 or mystery topic
Nov 20	Thanksgiving Break
Nov 27	Book report due, L <sup>A</sup> T <sub>E</sub> X and GraphViz
Dec 4	Discuss the book, Mystery Topic
Dec 11	No class (Final's Week)