

# CS 101 - Fluency with Information Technology

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MWF 10:30 - 11:30, KINSC H108

## 1 Schedule

- Class meets MWF 10:30 - 11:30 in KINSC H108.
- Lab meets either Monday from 11:30 - 12:30 or Tuesday from 10:30 - 11:30 in the CS Teaching Lab, KINSC H110.
- Office hours are Wednesdays from 11:30 - 12:30 in KINSC E303 or by appointment. Lab office hours are Tuesdays from 8-9pm (Sorelle) and Wednesdays from 7-9pm (Suzanne) in the CS Teaching Lab, KINSC H110.
- Add the class Google Calendar to keep up to date with any scheduling changes. Deadlines will also be listed there.

## 2 Course Goals

- Understanding news related to technology. Includes summarizing, understanding vocabulary, and having an opinion on current technology events.
- Understanding of the basics of how computer hardware and software work.
- Internet literacy, including making a website.
- Basic programming and database skills.

## 3 Rules and Pet Peeves

- **Be on time.** This includes class, lab, office hours, and appointments.
- **No computer use in class without approval.** Computers should only be used in class to take notes. This includes laptops, tablets, phones, etc..
- **Expect 24 hours before an email response.**

## 4 Grading

### Total grade breakdown

Assignments and Participation	15%
Labs	15%
Projects	30%
Midterm	15%
Final exam	25%

### Points-based grading (no curving)

Grades will be awarded based on the number of points earned and according to the percentage breakdowns above. Students will not be graded on a curve.

### Late work policy

All extensions must be requested **at least 24 hours in advance** of the deadline. Extensions will be granted based on individual circumstances. Work handed in late without a previously granted extension may not be accepted.

## 5 Collaboration

You are encouraged to discuss the lecture material and the labs and problems with other students, subject to the following restriction: the only "product" of your discussion should be your memory/understanding of it - you may not write up solutions together, or exchange written work or computer files. Collaboration is not allowed on examinations or quizzes.

As usual, anything taken from outside sources should be cited. Code should not be copied without permission from the instructor. If permission is given, code should be cited at the location it is used with a comment.

## 6 Course Plan

This schedule is *tentative*. For the most up-to-date dates and deadlines see the CS 101 Google Calendar.

### Weekly Deadlines

- Due 24 hours after the end of your lab: Your completed lab assignment.
- Due every Wednesday in class: Your weekly homework assignment.
- Due every Friday in class: Current events in tech write-up and the textbook reading for the week.

Week	Topics	Reading	Lab Topic
1	Introduction	Chapters 1 and 2	No lab
2	Networking	Chapter 3	Software and Data Storage
3	HTML	Chapter 4	Internet Basics
4	Internet Literacy and Debugging	Chapters 5 and 6	HTML
5	Digital Representations	Chapters 7 and 8	Debugging
6	Computer Basics and Algorithms	Chapters 9 and 10	HTML Project
	Midterm break		No lab
7	Spreadsheets	Chapters 13 and 14	Algorithms
8	Privacy and Encryption	Chapters 11 and 12	Spreadsheets
9	Databases	Chapters 15 and 16	Spreadsheet Project
10	Javascript Basics	Chapter 17	Databases
11	Javascript	Chapter 18	Databases
12	Functions	Chapter 19	Javascript
13	Iteration	Chapter 20	Javascript
14	Limits to Computation	Chapter 22	Final Project

## 7 Learning Accommodations

Students who believe they may need accommodations in this course because of the impact of a disability are encouraged to meet with the instructor in private (e.g., during office hours) early in the semester (i.e., ASAP). Students should also contact Rick Webb, Coordinator, Office of Disabilities Services ([rwebb@haverford.edu](mailto:rwebb@haverford.edu), 610-896-1290) to verify their eligibility for reasonable accommodations as soon as possible. Early contact will help to avoid unnecessary inconvenience and delays, and facilitate learning.