

Announcements

Welcome – You've found CSE120

- Announcements are usually listed here and displayed before the start of class
- ... they are also given at the top of the class Web page; they are not usually archived here
- Class Web Page:
 - courses.cs.washington.edu/courses/cse120/14wi/

CSE120

Computer Science Principles

Lawrence Snyder
University of Washington, Seattle

This Course Has 2 Kinds of Info

- I see the task of this course as teaching
 - **Computational Principles** – “bits can represent all information” – that everyone should know
 - **Computational Thinking** – ways you can use computers to solve (your) problems

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 - **Computational Thinking** – ways you can use computers to solve (your) problems
- If you were thinking this class will be ...
 - **Trivial**, forget it: I teach stuff you haven't had before
 - **Difficult**, forget it: The class was designed to be a high school AP class
 - **Fun and interesting**: Perfect ... that's what it is

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- Programming's a career; it takes years to learn; it pays really well; "normal people" do it, too
- I teach some programming in this class as part of teaching computational thinking
 - You won't be a programmer at the end
 - You will still be however "normal" as you are today
 - You will, I hope, also think differently as a result

Class Structure

- 3 lectures – I will talk, demo and we'll all discuss various topics
- 2 labs – practice with the TAs present
- Homework – exercises that help push the material further ... **one hour a day as needed**

- “Team project,” Midterm, Final
- Fridays “After Image Survey” ... worth a few points, takes less than 5 minutes, gives me feedback on how things are going

A Brief Word About Why We're Here

The goal of this class is to teach you to think computationally ...

This class can actually make you smarter!

That's important enough to repeat ...

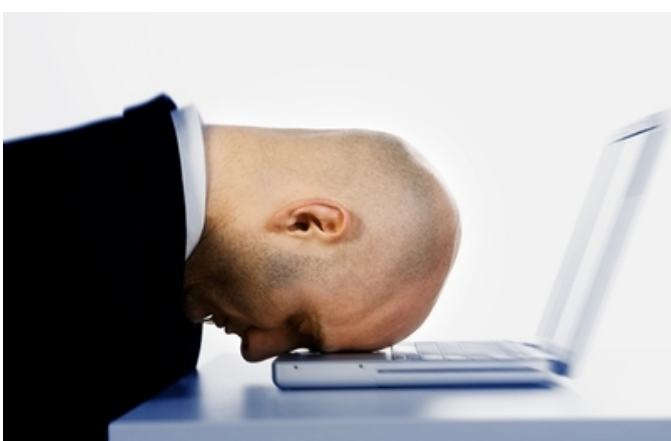
This class can actually *make you smarter!*

All you need to do is ...

Learn CS Principles By ...

Options for getting the content into your brain:

- Plan A



- Plan B

Make a
good-faith
effort to try
everything
and think
about what
you do

Tips for Doing Well in CSE120

- Attend classes and labs ... duh!
- Keep up with the assignments – 1 hr/day
- If you miss ANY deadline, don't ignore it – tell me what the problem is, get an extension
- Be persistent ... many things will seem confusing at first, but you CAN figure them out ... stay with it
- If you don't “get” something, ask a TA or me

Expectations ... yours for me

- Academically, you can expect me to ...
 - Select most important topics for the curriculum
 - Present the material in the clearest possible way
 - Select exercises and lab assignments that
 - Further your education in this class
 - Are interesting and enjoyable
 - Appreciate that you have other things in your life

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- Personally, you can expect me to be ...
 - Respectful, cooperative, understanding, ...
 - Encouraging, accepting of your contributions, ...
 - Provide help, both online and 1-on-1

Expectations ... mine for you

- Academically, I expect you ...
 - **To come to class & labs** ready to learn CS Principles
 - To make a sincere effort to understand the material
 - Go online to work on this class each day ...
 - Submit work that **you** alone created, except team asmts
 - Make constructive comments about improving this class

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 - Make constructive comments about improving this class
- Personally, I expect you to
 - Be respectful of me and the other students
 - Contribute to helping others on discussion board
 - Meet deadlines; ask for extensions in extreme need

Introductions ...

- Instructor: Larry Snyder, Prof. Emeritus
 - I like travel; I've lived in > 1/2 dozen other countries;
 - A favorite food is anchovies + potato chips
- TAs: Nicole Ford, Ben Blumberg, Michelle Cho

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- TAs: Nicole Ford, Ben Blumberg, Michelle Cho
- ... and you?
 - Interesting Fact About Yourself
 - A Favorite Food



Announcements

- What you need to do today
 - “**Sign up**” for this class – that’s tech lingo for committing yourself to make this class work for you
 - Familiarize yourself with the class Web page at courses.cs.washington.edu/courses/cse120/14wi/ including ...
 - The location of announcements, assignments, etc.
 - The Academic Conduct guidelines
 - Read “Why to take this class”
- Take the Pre-survey, linked from the Web page

Calendar ...

CSE120 Computer Science Principles

Calendar

Why Take CSE120

All of the scheduling information -- days off, assignments, due dates, reading links, etc. -- are presented on this page. Notice that some links are present, but not populated with a file yet.

[Panic Button](#)
[Anonymous Email To Instructors](#)

Calendar

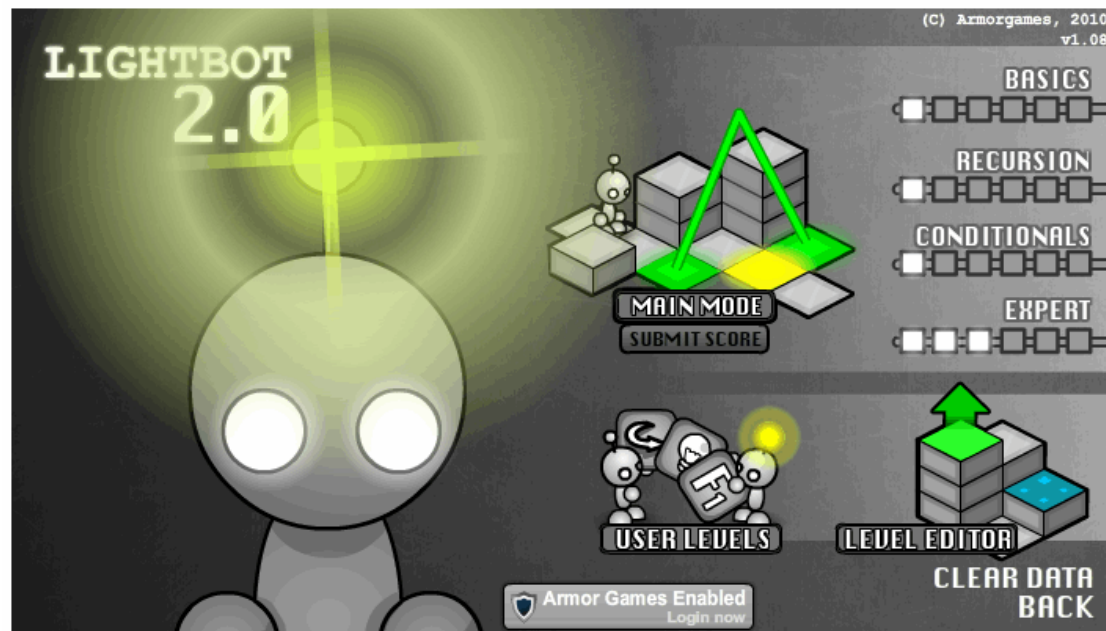
All Assignments are due before class on the day shown.

[Home](#)
[Contact](#)
[Class Overview](#)
[Calendar](#)
[THIS Week](#)
[HW Discussion](#)
[Gallery](#)

Date	Topic	Assignment	Due Today
Jan 6	Lec: Introduction, Expectations, The Plan Slides	Assignment 1	Precourse Survey
Jan 7	Lab: "What I value" writing exercise; FTP	Lab 1	Essay Collect
Jan 8	Lec: Lightbot 2.0 - A Game or Programming? Slides	Assignment 2	Assignment 1
Jan 9	Lab: Web Presence	Lab 2 Starter Code	Digital Photo of Yourself
Jan 10	Lec: Functions -- the Punchline Slides	Assignment 3	Assignment 2 Collect After Image Survey by 5:00
Weekend			
Jan 13	Lec: Processing Introduction Slides	Assignment 4	Assignment 3 Collect
Jan 14	Lab: Writing First Processing Programs	Lab 3 Robot Code	Collect

Assignment 1: Lightbot 2.0

- Lightbot shows up on many gaming sites, but whether or not it's a “game” is a topic for Wednesday
 - You direct a robot around a “blocks world”
 - It's pretty easy, and I hope it's fun ... there is a purpose to doing it



Questions?