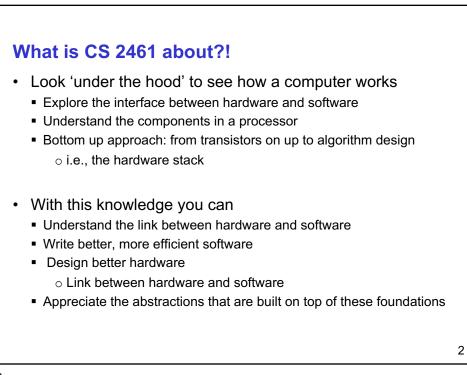
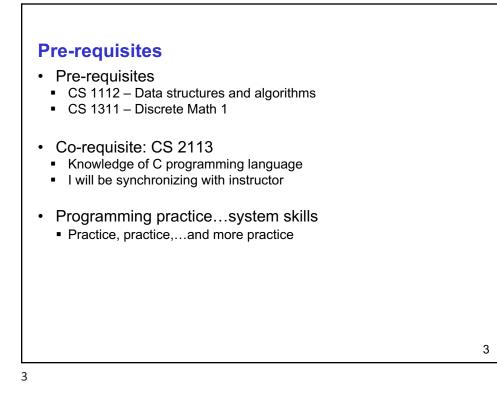
CS 2461 Computer Architecture 1 *i.e., Introduction to Computer Systems*

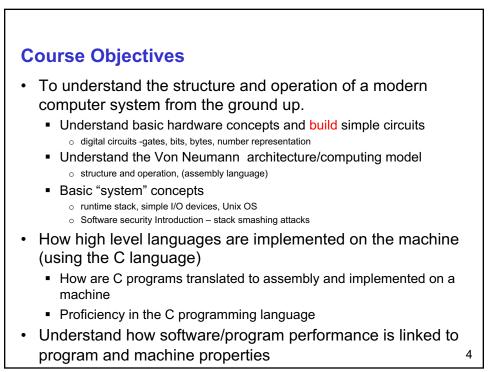
https://cs2461-2020.github.io/

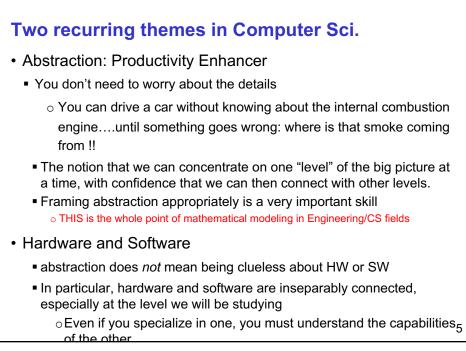
Fall 2021 Instructor: Dr. Bhagi Narahari



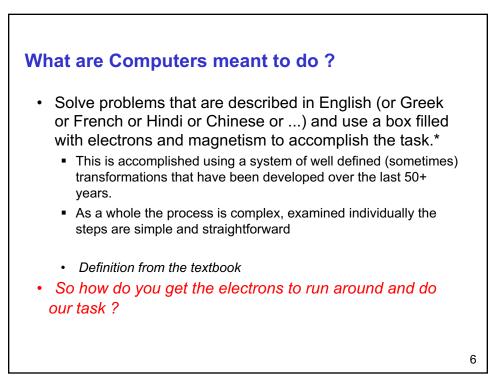


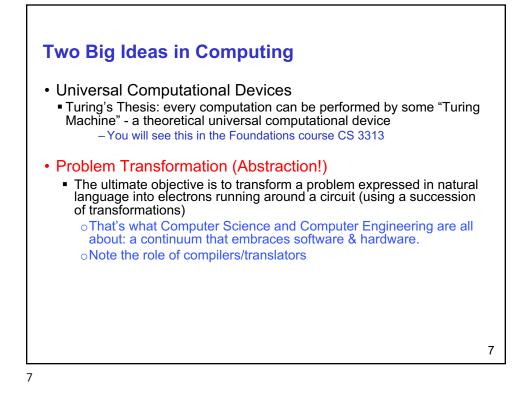


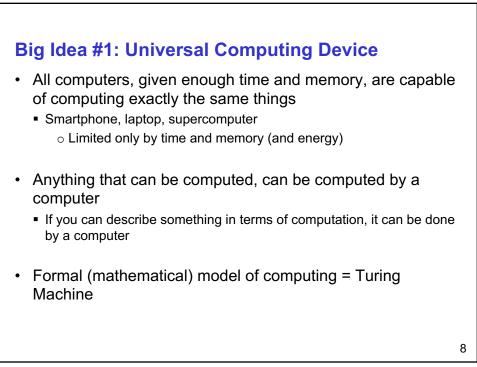


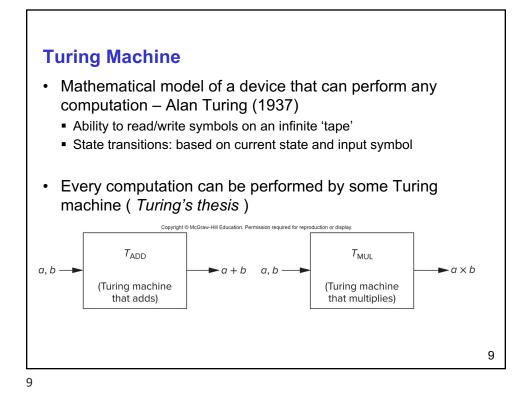


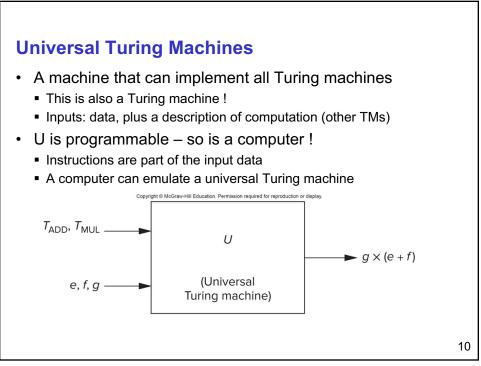


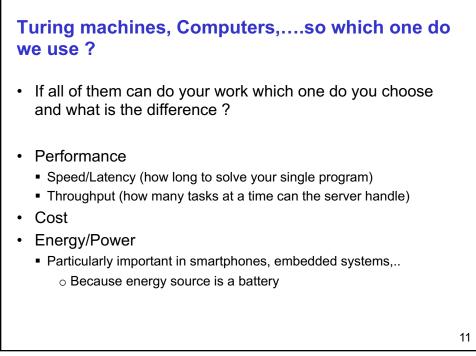


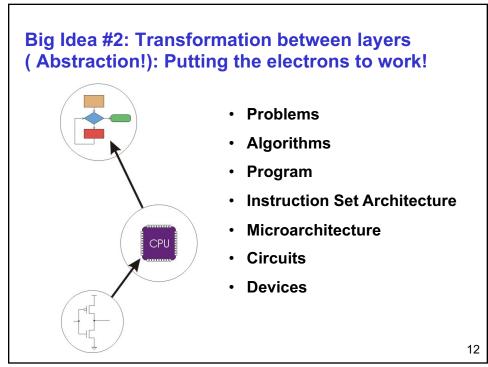


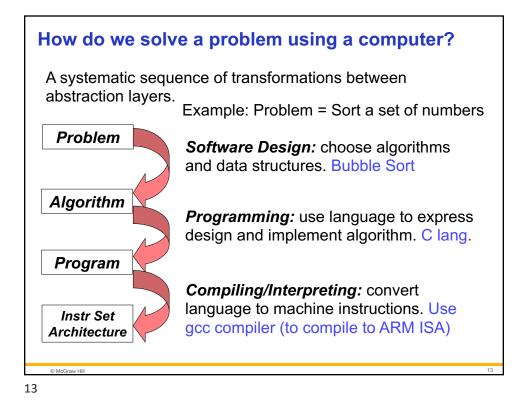


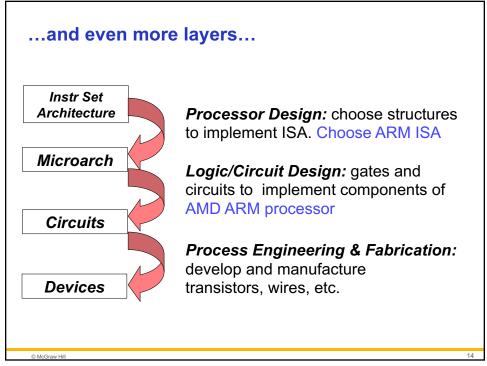


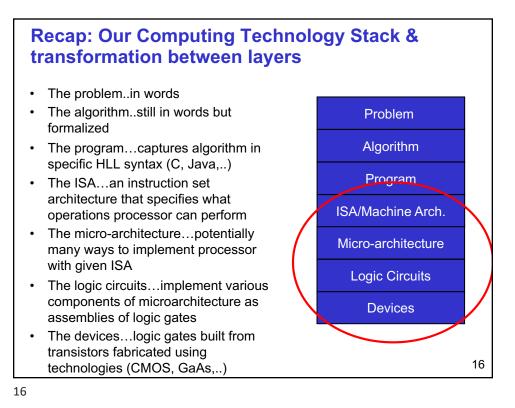


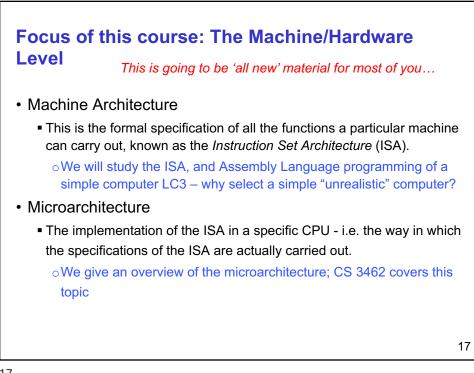














Logic Circuits

- Each functional component of the microarchitecture is built up of circuits that make "decisions" based on simple rules
 - We will study the basic building blocks of logic circuits
 - o You will learn to implement hardware logic circuits in the labs

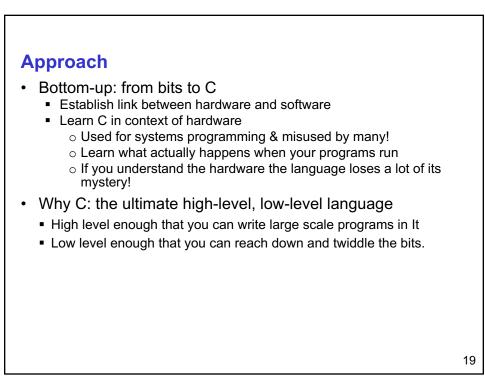
Devices

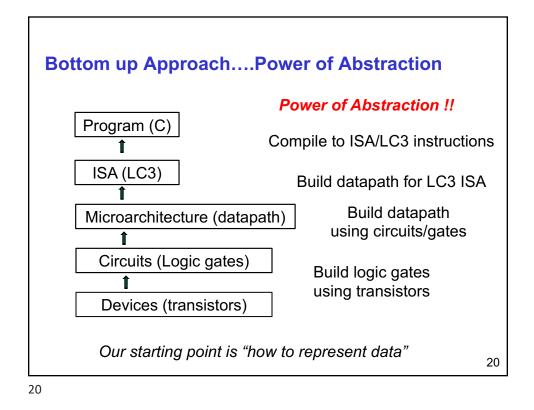
• Finally, each logic circuit is actually built of electronic devices such as CMOS or NMOS or GaAs (etc.) transistors.

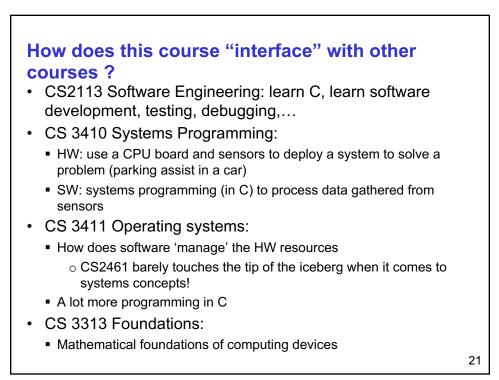
 $\circ\,\mbox{Device electronics}-\mbox{not in this course}$

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Your Initial To-do List

- 1. Get your "reading resources" textbook
- 2. Go to the course web page.
 - Lecture videos and notes will be posted
- 3. Prepare for class:
 - Read notes/slides, textbook and watch any videos that are posted for the next class/topic.
 - There are going to be in-class exercises during class!!

4. Submit the "Feedback Questions" survey by 1pm before each class

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