Interested in embedded systems development?
Know about Open Source Software but never heard of Open Source Hardware?

A new course in developing systems using micro controllers: small computers and associated hardware circuits that do things like interacting with the world, turning things on or off, or sensing their environment; a whole new world from development for computers, servers, and the internet. This is about development in the small that is often hidden inside other products.

We'll be working hands on with Arduino controllers that include an ATMELO ATMega328 8 bit processor with 32K (not M or G!) of flash memory (yes, your whole program and all its data fits in 32K), and both analog and digital I/O. We'll wire up small circuits using wires, resistors, etc.

YOU GET TO CONTROL THE WHOLE COMPUTER, MAKE USE OF ALL THE REAL TIME.
See what is like to really be in control of a whole computer based system!

Programming will be mostly in C (a smaller earlier predecessor to C++, Java, C#, etc.) Course will review basic electronics = amps, volts, watts, ohms. More information: http://cs.luc.edu/whonig/comp-366-488