

ECE 471 – Embedded Systems

Lecture 24

Vince Weaver

<http://www.eece.maine.edu/~vweaver>

vincent.weaver@maine.edu

3 December 2015

Announcements

- HW11 Posted

There will be a similar question on the final.

- Need volunteers to go Tuesday. (6 groups total). If I don't hear back by tomorrow morning I will use a random number generator.

Don't worry about things being perfect, it's just a demo and actual working implementation is only a small part of the presentation.



Final

- December 17th
- Is cumulative for whole class, but concentrates on material since midterm, and *No assembly language*
- Know the definitions of an embedded system and be able to say if a certain machine meets them.
- Know hard/soft/firm realtime
- Know the benefits/downsides of an operating system



- Security/Code Quality – mostly be aware of what things can go wrong if you are not careful when coding
- Embedded busses – know the relative tradeoffs between i2c, spi, and 1-wire. Mostly speed, distance, number of devices
- Power/Performance like HW11
- Give you some C code from one of the homeworks, comment it

