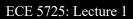


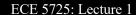
ECE 5725 Design with Embedded Operating Systems Lecture 1

Prof. Joseph F. Skovira











Schedules

Class: In Person!: M W F, 1:30 – 2:20; Thurston Hall 1:30 – 2:20

Lab: IN PERSON!! Phillips 239

Monday 2:40 - 5:40

Wednesday 4:30-7:30

Thursday 4:30 - 7:30

TA lab weekend hours

Saturday, Sunday – 12:00 – 2:00 PM

Office Hours: Wednesday and Friday

2:30 - 3:30

Lab starts week of 9/6: NO Lab this week

Canvas / Cornell Box

Staff



Design with Embedded OS

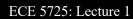
- Design of microcontroller-based systems using embedded Linux.
- Student teams design example solutions on a target microcontroller
- Emphasis will be on
 - Student Developed Applications
 - Linux configuration, features and programming
 - Microcontroller systems
 - External hardware.
- Design Project

Labs

- Linux system installation and graphical I/O
- External I/O including touch screen
- Autonomous motion and control, PWM, GUI
- Linux kernel modification/compilation

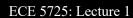


The Big Shift



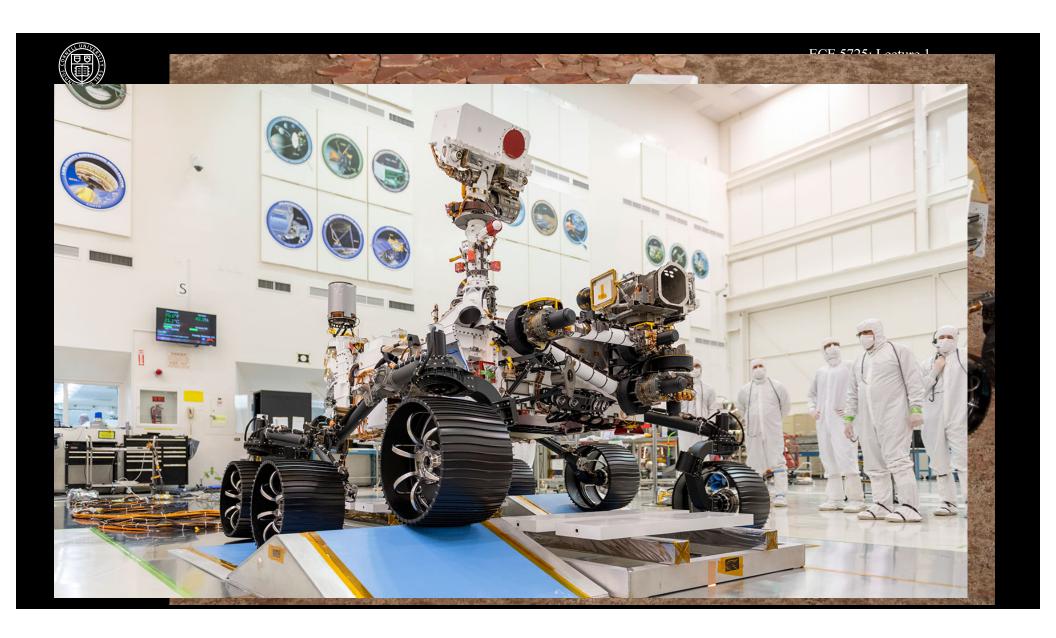


Big Shift Industry Examples?











How can you identify the 'Big Shift'?

Radical Idea from small group

Community Acceptance

Luck/Karma/Fate

Iterate and Improve Design

FAILURE.....and Recovery

Once Established....Obvious