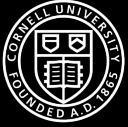


# ECE 5725

## Embedded Operating Systems

### Lecture 3

Prof. Joseph F. Skovira

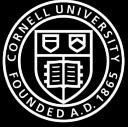


# Information

Homework 1

Lab 1

Lab Parts



# Course Administration

Academic Integrity  
Original Work  
Correct Citations

Ask if you are unsure

Required Reading:

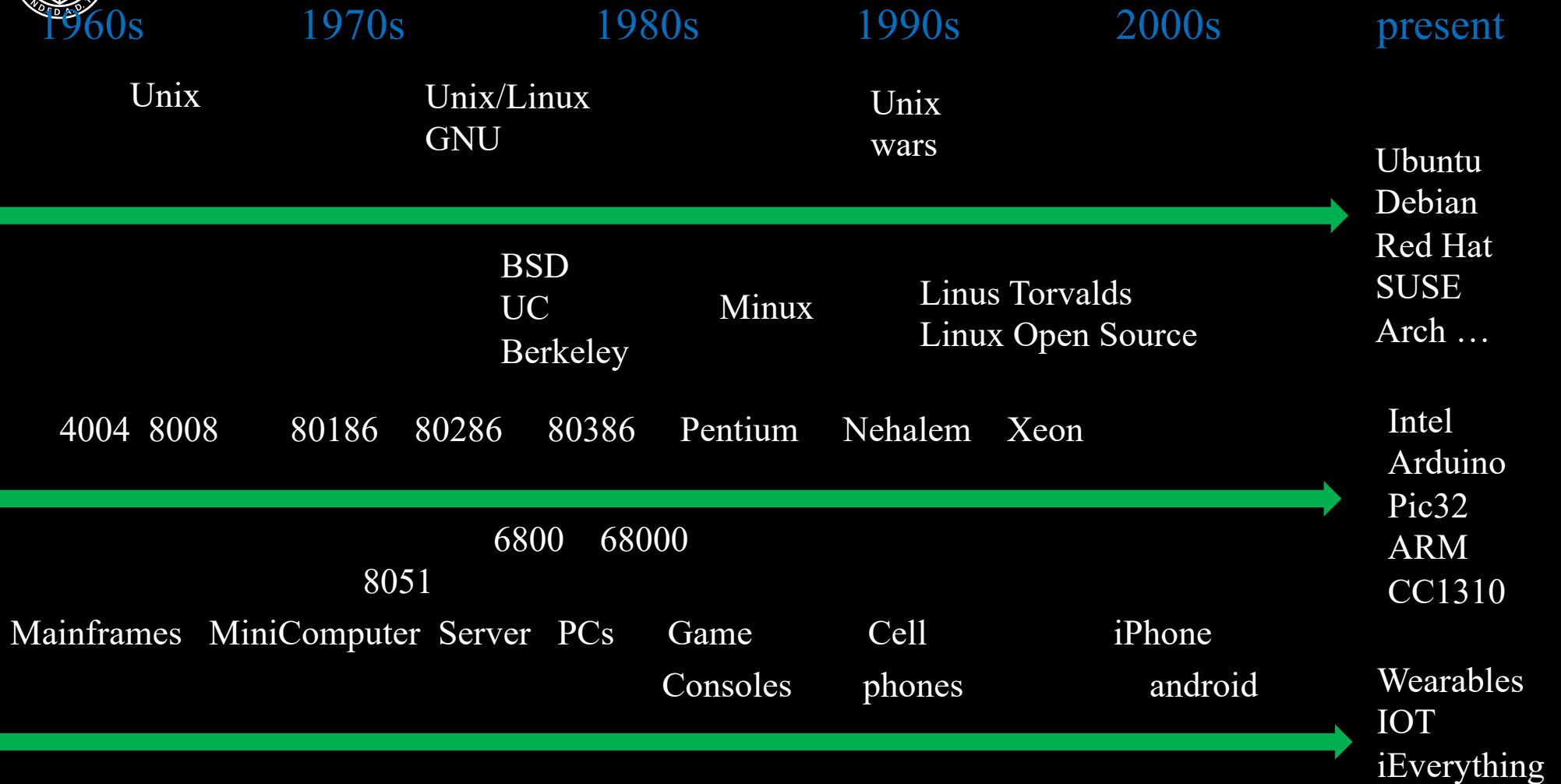
<http://cuinfo.cornell.edu/aic.cfm>

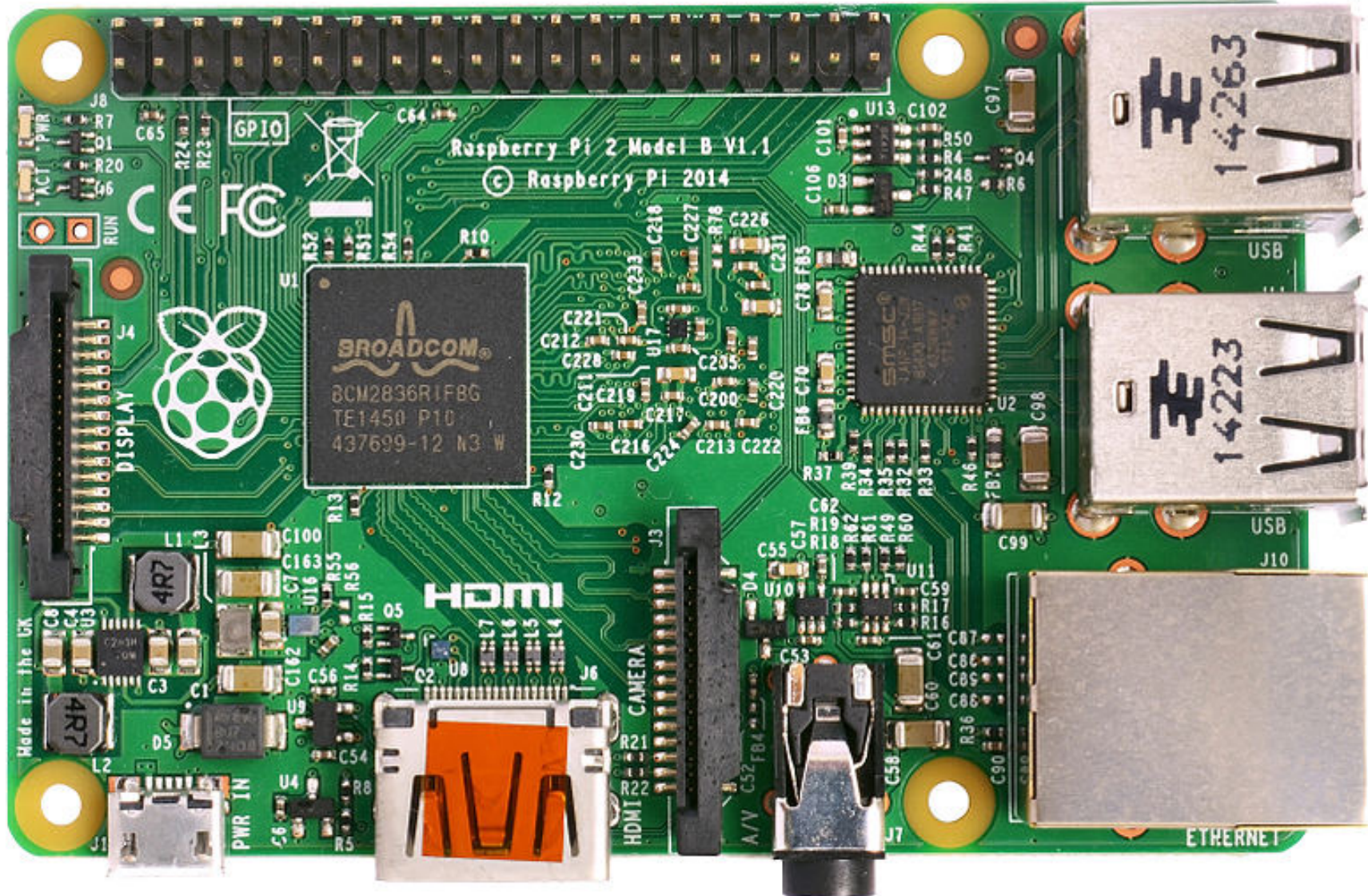
And:

<https://plagiarism.arts.cornell.edu/tutorial/exercises.cfm>

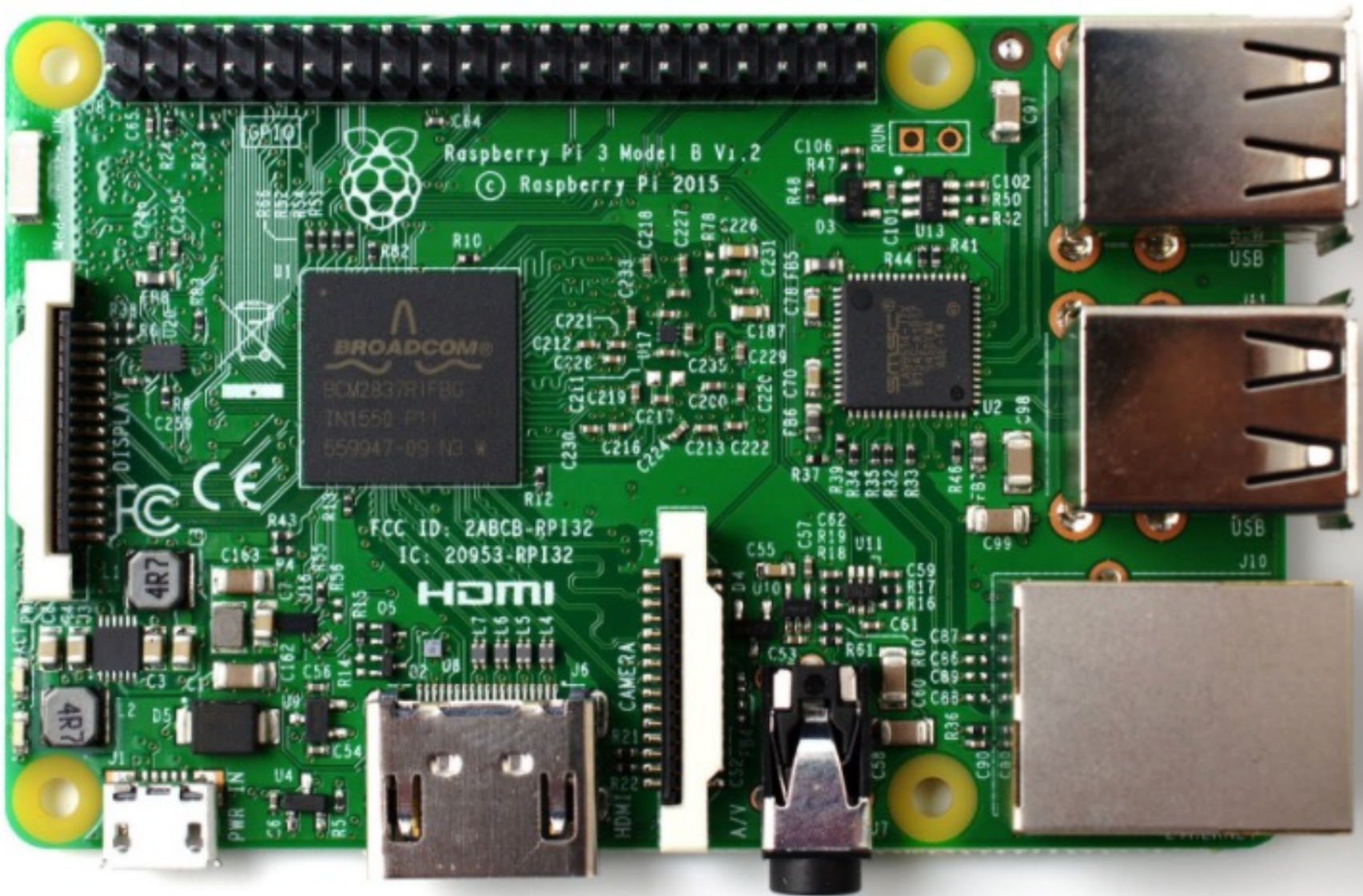


# Convergence

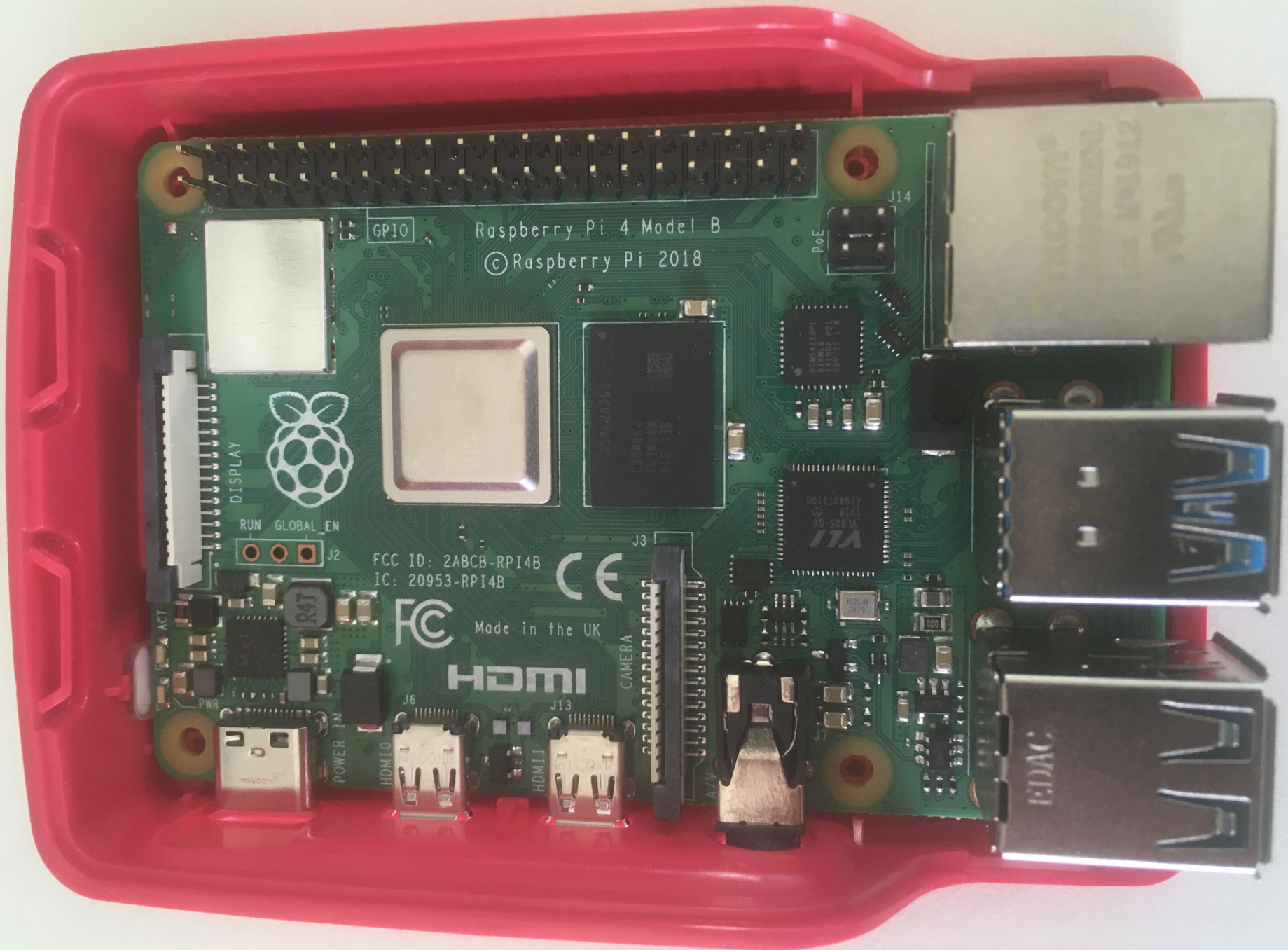


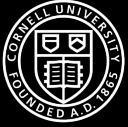












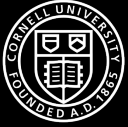
## New Approach

Text book = a parts box

Some optional parts as well (buy or borrow)

System available after the semester





# The road ahead

Plan for the class: bottom up?

Processor

board

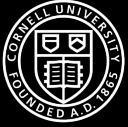
OS

design

applications

...

Linux - centric



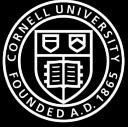
# Embedded Operating Systems

Outline syllabus; what will we do?

Leverage Linux to make the most of our embedded designs

Understand Linux components

Interface with external hardware  
and code that controls it



# Embedded Operating Systems

A bit more detail

Linux :

bootloader

kernel

filesystem

shared libraries

system commands and utilities

Interrupts

Process scheduling

Services

Concurrent processes

Performance

Daemons

Signals

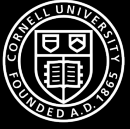
Multi-processing

Drivers









# ECE 5725 server

## ECE 5725 Lecture 3

