

Jan 27, 21  
Welcome to

CMPE242

Harry Li

Embedded Hardware Systems

1. Green Sheet [github/hualili/cmpe242](https://github.com/hualili/cmpe242)

Email: [hua.li@sisu.edu](mailto:hua.li@sisu.edu)

(650) 400-1116 Text message

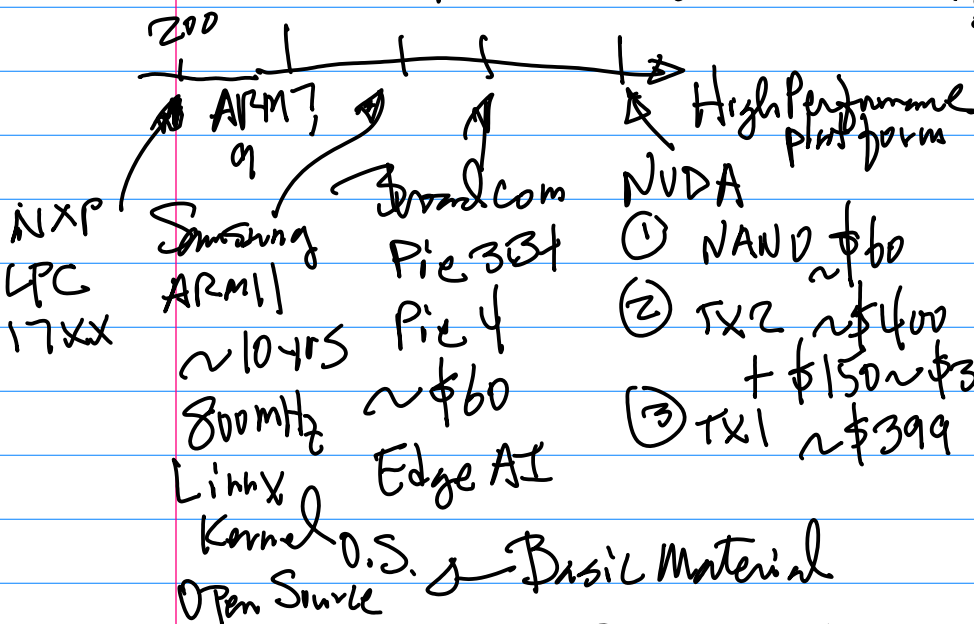
2. Pre-requist Requirements 180A & D

Course Description

Hands-ON.

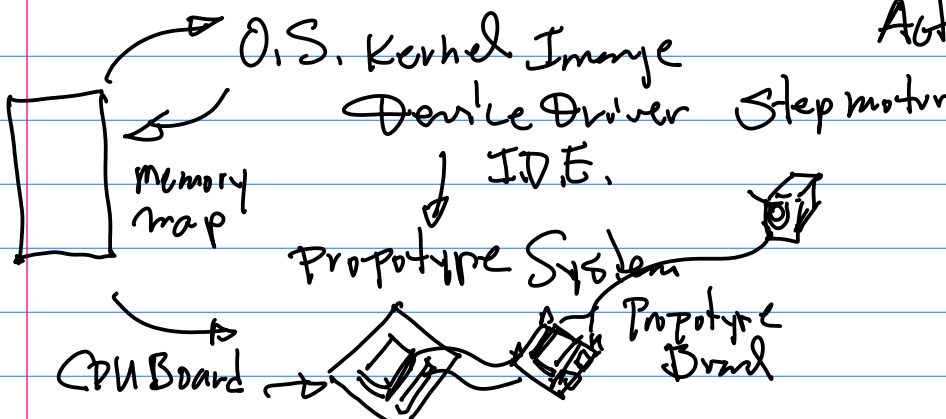
Target Development Platform

200



O.S. & Basic Material

Scope of the Course { Device Driver Dev Development { C/C++ Python O.S. Kernel



Before: 3 Labs/Projects

Device Driver Sensor LSM 303 I/F to Target Board. Human Readable file. Feedback Loop P.I.D Controller Convolution

Optional subjects (HDL) 1. RISC-V Fwrt - FPGA Integration

Device Driver & O.S. Kernel Development Image

2. ROS (Robotics Operating System) platform Visualization Tool.

\* Grading Policy 3-3-4 Mid Projects Final

\* CANVAS - EE242

(1) Assignments (No)

(2) Submission / Submission of your class work

Action 1. [github/hualili/cmpe242](https://github.com/hualili/cmpe242)

2. Datasheet

{ Samsung ARM11 Datasheet LXP LPC 1769 Datasheet Architecture NXP LPC 17xx

Action 3. Target Platform Selection

a) Unix-like OS. b) Edge AI

Computing (Scalability)  $\Rightarrow$  GPU

Office Hours M.W. 4:30-5:30pm  
ON Zoom.