ECE 331

Homework 9

See course web site for due date

Place your typed homework answers in `vim`. Print single sided with your name using a **mono space font**. No need to restate questions. Fully investigating questions is required for a higher grade. Please use the kernel coding style for all code. Please use your RPi for developing answers. Although code should be written and run on a RPi, it should run on ANY POSIX compliant OS. As always, all code shall be comment, conform to the Linux Kernel Coding Style, and error conditions shall be checked and appropriately handled.

Continue working on the kernel driver code such the BPSK user space code is merged into the kernel code. Remove the code that prints the data passed from user space (and any added null termination). At this point, the LED should flash when user space data is passed to the kernel. Do not worry about locking (yet).

Update the expansion firmware with the latest posted on the course website.

For your answer, print your Makefile, kernel driver source code, and user space test program.