



## ActivityTemplate

### Activity Title

Communicating with Devices

### Course

CET 3640 Software for Computer Control

"Programming concepts and software development techniques for computer controlled systems. Laboratory exercises apply these concepts to a variety of systems and devices."

### Activity Description

In this activity students would follow the instructions in the " Open Source Rover: Software Instructions" and complete up to section 2.2. There would be a follow up lab in the next course (CET 4952).

### Learning Goals

The learning goals for this assignment are:

- Working in groups
- Communicating with systems and devices using software
- Using the command line to complete tasks such as installations and configurations
- Developing more of an understanding about software
- Hands on learning

### Logistics

This activity would be done in groups as a lab spanning over a week (two class sessions). This activity would be one of the first labs of the semester. Students should already be familiar with the basics of programming and the command line interface.