November 2-9

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Roua Taha
Angela Correa
Work Accomplished

- We readjusted our design drastically this week
- Created a new method for connecting the pump to setup
- Ordered and waiting on multiple new parts, 8V and 5V voltage regulators, DC pump, 8-DIN pin for force transducer, bnc cable
- Set up a frog for next Friday
- Began preliminary PCB board design
DC Pump

- DC pump needed to make for a one plug output, 120 V AC relay method would have required two plugs, one for pump and one for PCB board.
- DC pump runs off of 8V, so an 8V regulator was needed to supply correct voltage.
- Now it can be wired through a 12V PCB board.
Other Details

- 8 DIN pin used to interface software onto PCB board
- Voltage regulators, 8V and 5V used to drop 12V source to appropriate levels
- 12V source created by a DC transformer, transforms 120 V ac to 12V DC
Future Work

- Attach force transducer to lever
- Once attached, build PCB board
- Add pin to PCB board
- Interface the program to LabVIEW
- On Friday test the project with a fresh frog gastrocnemius muscle
Until this week, budget was about $300

Added this week were regulators and a small pump

This makes for a net total of about $20 more product

Net total expenditure = $320
Hours Worked

- Roua – 12
- Angela – 12
- Mark - 10