

# ME 121: Checklist for electrical power system

Date:

Group members:

Sub-project Leader

---

---

---

---

Your score	Max score
------------	-----------

_____	5	System has its own 12VDC power supply (not borrowed from lab)
_____	5	Electrical system has two 12VDC circuits: one for the pump and one for the control system
_____	5	Each 12VDC circuit has an on/off switch.
_____	5	Arduino and long breadboard are mounted on the control plate
_____	5	Barrel jack from the 12V rail of the breadboard to Arduino is in place (but not plugged in)
_____	5	5V rail of the breadboard receives power from the Arduino
_____	5	Switches, barrier strips and other exposed connections are inside a project box
_____	5	Turning pump on and off does not interfere with operation of the control system.
_____	5	Turning control system on and off does not interfere with operation of the pump.
_____	45	Total

Sub-project Leader

_____	5	Clear and responsive communication with instructor
_____	5	System is organized and ready for in-class verification
_____	5	All team members are knowledgeable about system operation
	15	