# Brushless DC Motor Controller Project Plan

Tom D’Agostino

11/28/16

ECE 498

## Schedule:

### Week 1:

* Plan schedule
* Order parts for prototyping gate driver circuitry
* Layout gate driver PCB

### Week 2:

* Work on schematic
* Get gate driver PCB made here at Rose
* Assemble gate driver PCB

### Week 3:

* Test gate driver circuitry
* Work on schematic
* Hold schematic review by Friday, Dec. 16th

### Week 4:

* Order parts for prototyping subsystems
* **Winter Break**
* Layout subsystem PCBs

### Week 5:

* Assemble and test subsystems
* Confirm the subsystems all work by Sunday Jan 14th

### Week 6:

* Layout PCB
* Decide on materials needed for enclosure

### Week 7:

* Order PCB by Monday 23rd
* Order BOM
* Order mechanical components

### Week 8:

* Wait for PCB
* Mechanical assembly
* Software cleanup and improvements using prototyped sub circuits

### Week 9:

* Assemble and Debug

### Week 10:

* Debug and Test
* Demo by the end of week
* Documentation

### Finals:

* Revered for schedule slip