

EE/CprE/SE 491 WEEKLY REPORT 06

11/18/19 – 12/1/19

Group number: sdmay20-11

Project title: Design of a Charge Measurement Device

Client &/Advisor: Jacob Starr/ Long Que

Team Members/Role: Nicholas Wolf – Scribe, Internal Meeting Facilitator – Daniel Frantik, External Meeting Facilitator – Brandon Degelau, Test Engineer – Ben Buettner, Chief Engineer – Keagan Plummer, Report Manager – Colin Ishman

- **Weekly Summary:** This week, our group focused on getting everything ready to finish out the semester. This included finalizing the parts lists, getting those parts ordered, discuss the progression of the project with the client, and improve our documentation from this semester. We feel that the project is moving along at a good pace to have what the client needs, but a strong finish to the semester will be important.
- **Past Week Accomplishments:**
 - Improved documentation
 - Discussed ADCs
 - Decided to continue looking for an ADC
 - We will use a multimeter for initial testing
 - Got high voltage power supply to campus
 - Met with the client and discussed circuit
 - Ordered parts
- **Pending Complications:**

The high voltage power supply has been sent to us by the client, but we now need to figure out the best place to keep the power supply. This supply is Honeywell property and can be very dangerous. This means that we should not leave it openly in the senior design lab, because someone could be hurt using it or break the device. We plan to ask ETG about the best way to keep it safe.
- **Individual Contributions:**

<u>Name</u>	<u>Contributions</u>	<u>Hours this Week</u>	<u>Hours Cumulative</u>
Keagan Plummer	Met with clients in person, Continue part research, place part order	7	56
Ben Buettner	Met with clients in person, Continue part research, work on documentation	7	56
Nick Wolf	Met with clients in person, Continue part research, place part order	7	56
Colin Ishman	Met with clients in person, Continue part research, work on documentation	7	56
Dan Frantik	Met with clients in person, Continue part research, place part order	7	56
Brandon Degelau	Met with clients in person, Continue part research, work on documentation	7	56

- **Plans for Upcoming Week:**
 - Continue finding parts for testing
 - Assemble circuit using parts we ordered
 - Begin preliminary testing