

# Research Adviser Early Semester Tasks

## Early Semester Research Adviser Responsibilities

Below in each heading are specific tasks with a description of what each task entails.

### Schedule a Biweekly Meeting Time with Each Subteam in Area of Expertise

Ensure that every person on every subteam you advise has the opportunity to meet with you at least 15 minutes every two weeks. The meetings will be structured so that the student group can update you on the progress of their research and you can give your input about the direction of their research. It is a great opportunity for student groups to ask you questions about experimental design and data analysis.

### Early Semester Process Control Tutorial

The early semester [process control tutorial](#) is designed to provide students with an opportunity to learn how to utilize peristaltic pumps, measure flow rates, learn process control software, learn basic pump and valve control with process control software, and create a program that will control a simple process.

### Review Challenges

Each subteam should have a set of challenges for the semester. In the first meeting with each subteam, you should give an overview of these challenges and provide guidance about the initial steps teams should take to accomplish these objectives. Ensure that the team has sufficient guidance to complete their google calendar up to three weeks into the semester.

### Identify Publishable Research

Every team on AguaClara does high quality research. At some point, we think that all research teams could publish their research in some avenue. There are inevitably some teams that have been conducting research for semesters that may be ready for a conference presentation or publication to a journal. Identify these research groups early and work with them to publish their results.