

IMU Exercise: Introduction

This document will describe the use of the F' system reference as a reference for the flight software workshop. We will explore flight software through the lens of F' and this exercise. In the exercise, we will integrate the [MPU-6050 IMU](#) into our F' project with the goal of generating telemetry.

Users are expected to complete the [prerequisites](#) section before attending class.

The class will consist of the following sections.

- [Prerequisites](#)
- [Hardware Setup](#)
- [Requirements and Design](#)
- [Component Implementation](#)
- [Unit Testing](#)
- [Topology Integration and Testing](#)
- [Appendix I: Code Snippets](#)
- [Appendix II: Installing Rancher Desktop and the F' ARM Container](#)
- [Appendix III: Common Errors](#)
- [In-Person Class Information](#)

In-class participants may find hardware access information in the [in-person class information](#) document.

Next Steps

- [Prerequisites](#)