

2016 Summer Project

Object-Oriented Programming & GUI with Python

Agenda

Week 1: Class & Object

- ☐ Procedural vs. Object-Oriented
- ☐ Class - attributes & methods
- ☐ Instance initialization

Week 2: Inheritance & intro to PyQt

- ☐ Inheritance
- ☐ Graphic User Interface programming
- ☐ PyQt Basics

Week 3: Qt Designer

- ☐ Qt Designer: GUI design
- ☐ Signals and Slots
- ☐ QMainWindow / QDialog / QWidget

Week 4: Make your own GUI program

- ☐ Interactive data plotting
- ☐ Embedding Matplotlib figures