

Marla Geha Short Course – for Astronomical Python

A guide to the pre-course work can be found [here](#).

- **Pre-course work #1: [Background Survey](#)**
- **Pre-course work #2: Links to set-up computing**
 - [Sublime Text Editor](#)
 - [Anconda](#) python distribution
 - [Guide to plotting in python](#)
 - [Intro to Python](#) more resources on the [computing page](#)
- **Pre-course work #3: Image puzzles**
 - [example.py](#)
 - [puzzle1.png](#)
 - [puzzle2.png](#)
 - [Tutorial](#) on reading color images into python.
- **Pre-Course Work #4: HST Color Images**
 - [Making RGB images](#) from FITS files with python
 - Data for [Object 1: Arp 194](#)
 - Data for [Object 2: Cat's Eye Nebula](#)
 - Data for [Object 3: NGC 3949](#)
 - A longer discussion on [creating color images](#)
 -
- **Pre-Course Work #5: Introduction to Asteroids**
 - [Talk by D. Trilling](#)
 - [Talk by K. Walsh](#)
- **Links for Lecture #1**
 - [Scale Solar system](#)
 - [Table of known exoplanets](#)
 - [bounce.py](#)
- **Links for Lecture #2**
 - [Rosetta Satellite Article](#)
 - [Galaxy Merger Simulations](#)
 - [List of Nearby Galaxies](#)
- **Links for Lecture #3**
 - How to Find an Asteroid [Problem Set](#)
 - La Silla-QUEST [Night 1 data](#)
 - La Silla-QUEST [Night 2 data](#)
 - Additional [flat fields](#)
- **Links for Lecture #4**
 - [LHC rap](#)
- **Links for Lecture #5**
 - [Toomre.py](#) and [optional problem set](#)
 - [Barnes&Hut tree code](#) See PS#6+7 on this page.