

## Introductory Python based Software Carpentry Workshop

**Workshop Title:** Introductory Python based Software Carpentry

**Venue of workshop:** University of Cape Town - venue (TBA)

**Dates for the workshop:**

30<sup>th</sup> October – 31<sup>st</sup> October 2018: Face to face practical workshop (bring your own laptop)

**Workshop organisers:** Ziyaad Parker, Suresh Maslamoney, Sumir Panji, Nicola Mulder

**Application opens:** 26<sup>th</sup> September 2018

**Application for the workshop closes:** 11<sup>th</sup> October 2018

**Notification or acceptance date for the workshop:** 12<sup>th</sup> October 2018

**Link to application form:** <https://tinyurl.com/cbio-sfc>



**Course Overview Participation:** The workshop is open to anybody who is interested in learning the Introduction to Python programming using the principles of Software Carpentry.

**Workshop Sponsor:** UCT Computational Biology Division (CBIO) and H3ABioNet

**Intended Audience:** Students and Staff who would like to learn more about the basics of Python programming.

**Tools:** Python, Jupyter Notebook, GitHub, Git, Numpy, Pandas, Linux/Mac/Windows

**Objectives:** After this workshop participants should:

- Be familiar Git and GitHub as well as using it
- Be familiar with Jupyter Notebook
- Be familiar with Python and executing scripts
- Understand the different Python packages
- Be familiar with steps and procedures involved in working with Python

**Workshop limitations:** The workshop is set for two days. This course will teach the foundations of Python programming Linux and Git.

**Prerequisites:** The participants must have their own laptop and install software below before the workshop: Python 3, Numpy and Pandas Python package, Git and Jupyter Notebook

Without the above installed participants will not be able to complete the course. Follow these instructions on this link to install: <https://swcarpentry.github.io/python-novice-gapminder/setup/>

Contact Person: [ziyaad.parker@uct.ac.za](mailto:ziyaad.parker@uct.ac.za)

