

Wikiprint Book

Title: PyBcPlanning

Subject:

Version: 23

Date: 09/09/10 08:18:26

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Planning Page for the 2010 Python Boot Camp

Proposed Dates: Some time during the week of January 11th

Tentative Outline

The boot camp is going to be divided into three segments:

1. Python Installation/Basics
2. Python for Scientific Computing
3. Advanced Python and breakout sessions

I've shown a proposed three day outline. At this point we are working on reserving the room for the entire week, so we can extend it to 4 days if people want to. Each day is broken into two two hour sessions. Each session has a thirty minute break in the middle (after one hour). We are also planning for a one hour break between sessions so that people can get lunch.

	Duration	Day 1 - Python Basics	Day 2 - Scientific Python	Day 3 - Advanced Python
Session 1a	1 hr	Installation (Matt M)	Numpy/Lin Alg/DFT (Jim)	Working with Python (IDE/Editors, Workflow...) (Everyone)
Break	0.5 hr			
Session 1b	1 hr	Basic Data Structures (Milad)	Plotting/Matplotlib (Matt T)	Breakout sessions 1
Lunch	1 hr			
Session 2a	1 hr	Functions (Milad)	SciPy (Anthony)	Breakout sessions 2
Break	0.5 hr			
Session 2b	1 hr	Classes, Modules (Matt T)	Other/Statistics (Nico?)	Breakout sessions 3

Each break session will involve three presentations/discussions/activities. Potential topics include:

- google Apps/Trac -> Paul? Milad
- Django -> Nico?
- GIS -> Nico
- Pytables / HDF5 -> Milad
- Making GUIs with WxPython -> Milad
- Regular Expressions ->
- Fun -> Jim, Katy
- PyTAPS, C/Python -> Jim
- Python Ecosystem **Thunderstorm!** (Lightning Talks)

	Multilanguage Programming	Python on the Web	Python for Programmers
Breakout Session 1, 12:00 - 1:00	f2py / SWIG (Kurt/Matt T)	IRC Bots/Email Bots (Jim)	Advanced Python (Anthony)
Breakout Session 2, 2:00 - 3:00	Cython / C/Python (Kurt/Jim)	Django (Nico)	WxPython (Milad)
Breakout Session 3, 3:30 - 4:30	PyTables / PyTaps (Milad/Jim)	GIS/Connecting Hardware (Nico)	Tour of the Standard Library (Matt T)

Session 10: Breakout Session 1, 12:00 - 1:00

- Multilingual Python I - [f2Py](#) and [Swig](#)
- Python on the Web I - [IRC bots/email bots](#)
- Python for Developers I - [Advanced Python](#)

Session 11: Breakout Session 2, 2:00 - 3:00

- Multilingual Python II - Cython and The C/Python Interface

- Python on the Web II - Web Scraping, Django, and GeoDjango
- Python for Developers II - Making GUI's with WxPython

Session 12: Breakout Session 3, 3:30 - 4:30

- Multilingual Python III - Examples of Multilingual Extensions : Pytables, PyTAPS
- Python on the Web III - GIS, Connecting Hardware to Python
- Python for Developers III - The Standard Library

Event Jobs

These are jobs at the events

- Coffee/Snacks setup/cleanup
- Registration Name Tags
- Lunch setup/cleanup