

Python learning schedule

Week 0-1: May 9 - 20

Beginning python:

- <https://www.youtube.com/watch?v=rfscVS0vtbw>

Survey of python modules

- https://www.youtube.com/watch?v=-29x_deQQus&t=895s
- <https://www.youtube.com/watch?v=Vi9Y9AL13Rc>

Week 2: May 21 - 21

Intermediate python:

- <https://www.youtube.com/watch?v=HGOBQPFzWko&t=64s>

The set data type

- https://www.youtube.com/watch?v=r3R3h5ly_8g&t=22s

Survey of important skills

- <https://www.youtube.com/watch?v=p15xzjzR9j0>

Week 3: May 22 - 27

Object oriented programming

- https://www.youtube.com/watch?v=JeznW_7DIB0&t=241s

File input and output

- <https://www.youtube.com/watch?v=Uh2ebFW8OYM>
- <https://www.youtube.com/watch?v=q5uM4VKywbA>

Overview on a path in data science (not a tutorial, just advice)

- <https://www.youtube.com/watch?v=xplFS6jZbe8>

Week 4: May 28 - Jun 3

Tkinter

- <https://www.youtube.com/watch?v=YXPyB4XeYLA&t=58s>

Week 5: May 28 - Jun 3

Catch-up

Week 6: June 4 - Jun 10

Numpy

- <https://www.youtube.com/watch?v=9JUAPgtkKpl&t=67s>

Scipy

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Week 7: Jun 11 - 17

Mathplotlib

- https://www.youtube.com/playlist?list=PL-osiE80TeTvipOqomVEeZ1HRrcEvtZB_

Week 8: Jun 18 - 24

Pycharm features for data science

- <https://www.youtube.com/watch?v=46RjXawJQgg>

Pandas

- <https://www.youtube.com/playlist?list=PL-osiE80TeTsWmV9i9c58mdDCSskIFdDS>

Week 9: Jun 25 - July 1

Py Script

- <https://www.youtube.com/watch?v=MGAd7mVFUKg>
- <https://www.youtube.com/watch?v=du8vQC44PC4>

Brython

- <https://www.youtube.com/watch?v=VJj-H4we71q&t=1224s>

Website with Flask (OPTIONAL)

- <https://www.youtube.com/watch?v=dam0GPOAvVI&t=1986s>

Email from python

- <https://www.youtube.com/watch?v=JRCJ6RtE3xU&t=126s>

Week 10: July 2 - July 8

Catch-up

Week 11: July 9 - July 15

Raspberry Pi Pico

- https://www.youtube.com/watch?v=QywUT3f-_7w
- <https://www.youtube.com/watch?v=PYOaO1yW0rY>
- <https://www.youtube.com/watch?v=k2thJQxO17w>

Raspberry Pi 4 b

- <https://www.youtube.com/watch?v=jRKgEXiMtns>
- https://www.youtube.com/watch?v=RpseX2yIEuw&list=PLQVvva0QuDesV8WWHLLXW_avmTzHmJLv

Week 12: July 16 - July 8

Biopython - background talk

- <https://www.youtube.com/watch?v=UFnoxLN17ko&t=1783s>

Biopython - live recorded course

- https://www.youtube.com/watch?v=YVQp6qIXcQo&list=PLqGcp_8L0nxcxGA4_5m1r29Ntu7jiGSz-&index=1

Week 12: July 17 - July 22

Data structures

- <https://www.youtube.com/watch?v=RBSGKIAvoiM>