

Agenda, Basic Python Course

Day	Topics
DAY1	1. The Origins of Python 2. Starting with Python: The Interactive Shell 3. Using the IPython notebook and Spyder 4. Executing a Script 5. Data Types and Variables 5.1. The special nature of variables in Python 5.2. Sequential Data Types: Lists and Strings 5.3. Dictionaries, Sets and Frozen Sets 5.4. copying vs. referencing data, Shallow and Deep Copy 6. Conditional Statements: if statement and ternary if 7. Input
DAY2	8. Loops: While and for-loops with the Python „else“ 9. Functions, global and local data, Parameter Passing in Function 10. Read and Write Files 11. Modular Programming and Modules 12. Lambda Operator, Filter, Reduce and Map 13. List Comprehension 14. sort and sorted with custom made sort criteria