## Python Part 2: Tools, Modules, and JSON!

**Overview:** This course will teach students about programming tools, modules and packages, and metaprogramming and JSON.

## Course Modules:

### **Module 01 – Programming Tools**

### **(Duration: 1h 26m)**

1. Workbook (Pdf)
2. Topic A: Iterators and Generators – Part 1
3. Iterators and Generators – Part 2
4. Iterators and Generators – Part 3
5. Topic B: Regular Expressions – Part 1
6. Regular Expressions – Part 2
7. Regular Expressions – Part 3
8. Topic C: Introspection and Lambda Functions – Part 1
9. Introspection and Lambda Functions – Part 2
10. Introspection and Lambda Functions – Part 3
11. Topic D: Metaclasses and Decorators – Part 1
12. Metaclasses and Decorators – Part 2
13. Metaclasses and Decorators – Part 3
14. **Review Quiz (Number of attempts allowed: Unlimited)**

### **Module 02 – Modules and Packages**

### **(Duration: 40m)**

1. Workbook (Pdf)
2. Topic A: Modules and Packages – Part 1
3. Modules and Packages – Part 2
4. Modules and Packages – Part 3
5. Topic B: Working with APIs – Part 1
6. Working with APIs – Part 2
7. Working with APIs – Part 3
8. Review Quiz**(Number of attempts allowed: Unlimited)**

### **Module 03 – Metaprogramming and JSON**

### **(Duration: 1h 45m)**

1. Workbook (Pdf)
2. Topic A: Metaprogramming Primer – Part 1
3. Metaprogramming Primer – Part 2
4. Metaprogramming Primer – Part 3
5. Topic B: Decorators and Monkey Patching – Part 1
6. Decorators and Monkey Patching – Part 2
7. Decorators and Monkey Patching – Part 3
8. Topic C: XML and JSON Structure – Part 1
9. XML and JSON Structure – Part 2
10. XML and JSON Structure – Part 3
11. Topic D: Generating XML and JSON – Part 1
12. Generating XML and JSON – Part 2
13. Generating XML and JSON – Part 3
14. Topic E: Parsing XML and JSON – Part 1
15. Parsing XML and JSON – Part 2
16. Parsing XML and JSON – Part 3
17. Topic F: Implementing Algorithms – Part 1
18. Implementing Algorithms – Part 2
19. Implementing Algorithms – Part 3
20. **Review Quiz (Number of attempts allowed: Unlimited)**

**This course includes**

* about 3.51 hours on-demand video
* 3 downloadable Pdf Workbooks
* Unlimited time access (During Membership)
* Access on mobile and Desktop
* Certificate of Completion