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Python/Google technical blog: dev.to/wescpy
 Core Python books: corepython.com

(Comprehensive) Python for Developers course

This course provides a complete and comprehensive introduction to the Python language along with intermediate language fundamentals covering the topics below. The content and the order it is presented closely mirror the material and chapter progression of the textbook **Core Python: Language Fundamentals** (formerly *Core Python Programming*).

OBJECTIVES: Attendees completing this class should have a good working knowledge of the core Python language, be familiar with the language fundamentals, have awareness of good practices, and have the ability to build a variety of tools and applications. Students will also be prepared to delve deeper into language fundamentals so they're prepared to tackle Python projects immediately after the course. Once attendees have some experience under their belts, they're reading to focus on advanced language features followed by specific areas of application development covered in succeeding courses. Attendees will learn both Python 2 & Python 3 including key differences between these major versions.

PREREQUISITES: Experience developing in another high-level language like Java, C/C++, JavaScript/Node.js, PHP, Ruby, C#/VB, Go, Rust, *ix shell, etc.

REQUIRED SETUP: A laptop/notebook with Python installed or a cloud-based Python interpreter is required for lab exercises. Linux & macOS already come with Python while PC users should install Python (3.7+ plus 2.7 if needed). Java developers should consider [Jython](#), [PyDev/Eclipse](#) or [PyCharm/IntelliJ](#) while .NET/Mono users should consider [IronPython](#) or [Python.NET](#). ChromeOS: use a cloud solution or Linux in developer mode. IDEs are optional.

INSTRUCTOR: WESLEY CHUN, MSCS, is a [Google Developer Expert](#) (GDE) in Google Cloud (GCP) & Google Workspace (GWS), author of Prentice Hall's bestselling **Core Python** books (corepython.com), co-author of **Python Web Development with Django** (withdjango.com), and has written for Linux Journal & CNET. He runs [CyberWeb](#) (cyberwebconsulting.com), specializing in Google developer tools/platforms, [Python & App Engine migrations](#), and technical training. Wesley was one of the original Yahoo!Mail engineers and spent 13+ years on various Google product teams, covering their APIs on-stage, producing sample apps, tutorials, and [serverless migration](#) and [GWS developers](#) video series. He holds degrees in Computer Science, Mathematics, and Music from the University of California, is a Fellow of the Python Software Foundation, and loves to meet developers worldwide at conferences, user group events, and universities. Follow he/him [@wescpy](#) & his [technical blog](#).

COURSE FEES: Fees apply per attendee. Cost covers all lectures, daily codelabs, textbook, and course materials. Limited enrollment; contact us for details.

Course Topics (approximate)

Day 1	<ul style="list-style-type: none"> • Introduction • Python Objects • References and Memory Model • Flow Control: Loops & Conditionals
Day 2	<ul style="list-style-type: none"> • Files and I/O • Errors and Exceptions • Best Practices: Tools, Testing, etc. • Functions/Functional Programming
Day 3	<ul style="list-style-type: none"> • Modules and Packages • Object-Oriented Programming • Iterators and Generators • Execution Environment • Epilogue/Conclusion

Daily Schedule (approximate)

8a-9a	lab (<i>unsupervised</i>)
9a-11:30a	instruction (<i>break around 10:15a</i>)
11:30a-12n	lab
12n-1p	<i>lunch</i>
1p-3p	instruction (<i>break around 2p</i>)
3p-3:30p	lab
3:30p-4:30p	instruction
4:30p-5p	lab
5p-6p	lab (<i>unsupervised</i>)