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| Day 1 | Working with Code | |
| 8:30 – 9:30 | Lecture | * Environment: Command Line, REPL, Scripting * Environment: PyCharm * Python: **print()**, Expressions, comments * Chapter 1: 1, 2, 3, 4 * Chapter 2: 4, 5, 7 |
| 9:30 – 10:00 | Lab | Hello World |
| 10:00 – 10:15 | Break |  |
| 10:15 – 11:15 | Lecture | * Variables, Operations, Types, **input()** * Functions, Local Variables, Command-line Arguments * Refactoring * Chapter 1: 5 * Chapter 2: 1, 2, 3, 5 * Chapter 3: All Sections * Chapter 5: 11 * Chapter 6: 1, 2, 3, 4, 5, 6, |
| 11:15 – 12:00 | Lab | Conversions |
| 12:00 – 1:00 | Lunch |  |
| 1:00 – 2:00 | Lecture | * Boolean, Logical Operators * **if**/**elif**/**else** * **while**/**break**/**continue** * Chapter 5: 2,3,4,5,6,7,8,9,10 * Chapter 7: 1,2,3,4,6 |
| 2:00 – 2:30 | Lab | Hi/Lo: Part 1 |
| 2:30 – 2:45 | Break |  |
| 2:45 – 3:45 | Lecture | * **import** is a Verb * Modules, **\_\_init\_\_**, **\_\_name\_\_** * Import Options |
| 3:45 – 4:30 | Lab | Hi/Lo: Part 2 |

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| Day 2 | Working with Data | |
| 8:30 – 9:30 | Lecture | * Lists and Tuples, **len()**, slicing * **for-each** * Algorithms * Chapter 10: All Sections * Chapter 12: All sections |
| 9:30 – 10:00 | Lab | List Loops |
| 10:00 – 10:15 | Break |  |
| 10:15 – 11:15 | Lecture | * Dictionaries * Chapter 11: All Sections |
| 11:15 – 12:00 | Lab | The Zoo: Part 1 |
| 12:00 – 1:00 | Lunch |  |
| 1:00 – 2:00 | Lecture | * Strings * **find()**, slicing * Chapter 2: 6 * Chapter 8: All Sections |
| 2:00 – 2:30 | Lab | MadLibs |
| 2:30 – 2:45 | Break |  |
| 2:45 – 3:45 | Lecture | * Pointers * Pointers to Functions |
| 3:45 – 4:30 | Lab | Tic Tac Toe |

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| Day 3 | Objects, Files, and Exceptions | |
| 8:30 – 9:30 | Lecture | * Exceptions * Chapter 14: 5 |
| 9:30 – 10:00 | Lab | The Zoo: Part 2 |
| 10:00 – 10:15 | Break |  |
| 10:15 – 11:15 | Lecture | * Files, **with** * Bytes * Pickles, JSON, XML, CSV * Chapter 14: 1,2,3,4 |
| 11:15 – 12:00 | Lab | Save:MadLibs, Save:Zoo |
| 12:00 – 1:00 | Lunch |  |
| 1:00 – 2:00 | Lecture | * Objects and Object-Oriented Programming * Encapsulation * Inheritance * Chapter 15: All Sections * Chapter 17: All Sections * Chapter 18: All Sections |
| 2:00 – 2:30 | Lab | Tic Tac Toe: OO Style |
| 2:30 – 2:45 | Break |  |
| 2:45 – 3:45 | Lecture | Miscellaneous Topics and Catch-up |
| 3:45 – 4:30 | Lab | Miscellaneous Topics and Catch-up |