Master Teachers 2016 IACS Python Workshop

Schedule

September 10th

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| 9:00 – 10:00 | Introduction and Review |
| 10:00 – 11:00 | Selected Practice Problems from HW |
| 11:00 – 12:00 | Example Lesson (Functions) |
| 12:00 – 1:00 | Lunch (provided) |
| 1:00 – 2:00 | Twython and the Twitter API |
| 2:00 – 3:00 | Designing and Answering Research Questions |
| 3:00 – 4:00 | Examples and Visualization |

September 17th

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| 9:00 – 10:00 | Review, General Q&A |
| 10:00 – 11:00 | Turtles Introduction |
| 11:00 – 12:00 | Molecular Dynamics 1 |
| 12:00 – 1:00 | Lunch (provided) |
| 1:00 – 2:00 | Molecular Dynamics 2 |
| 2:00 – 3:00 | Molecular Dynamics 3 |
| 3:00 – 4:00 | Molecular Dynamics 4 |

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List of Topics

* Basics of Jupyter
* Arithmetic in Python
* Data Types
* Variables
* Conditional statements
* While loops
* Lists
* Dictionaries
* Functions
* For loops
* Python File Input/Output (IO)