



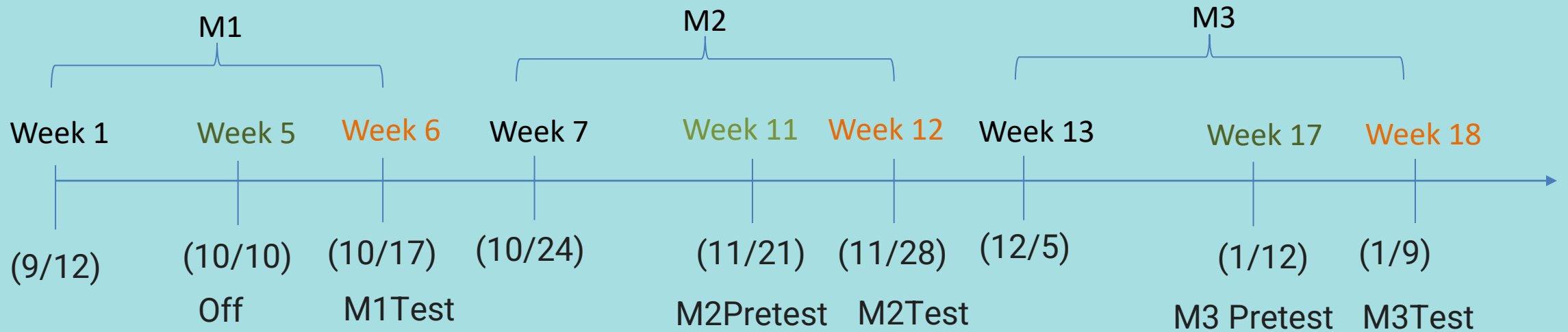
# Fundamental Programming Course

## Week 14

Huseh-Ting Chu@Asia University, 2022



# Schedule

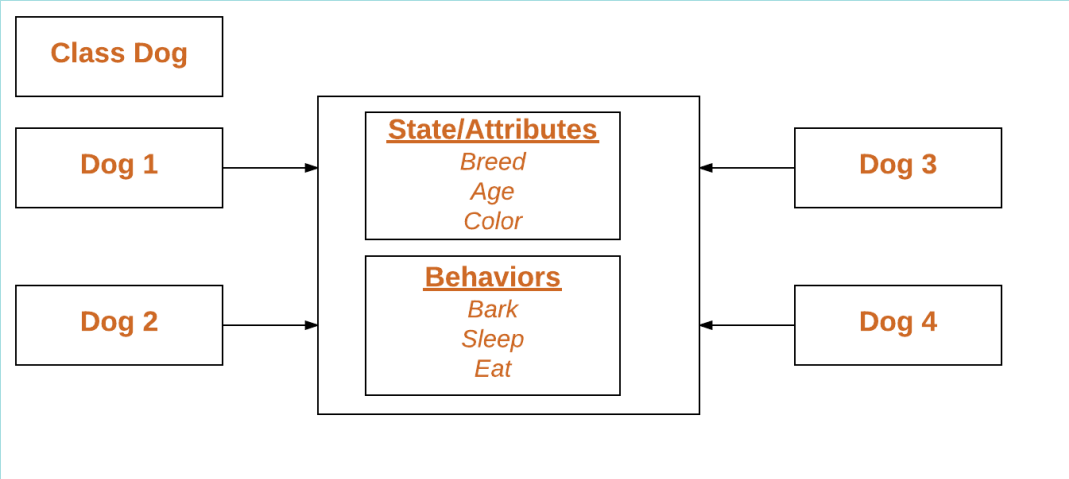


# Syllabus

- W1-Python Introduction and Programming Tools
- W2-Variables and Operations
- W3-Loop and formatted output
- W4-Condition and Containers
- W5-String and built-in functions
- W6-M1 test
- W7-Dictionary Container
- W8-File I/O
- W9-Function
- W10-Advanced flow control
- W11-Advanced operations and generators
- W12-M2 test
- W13-Advanced functions (definitions and calls, Recursion)
- **W14-Class fundamentals (classes, objects, properties, constructors, methods)**
- W15-Advanced Classes (Static methods, class Methods and class decorators)
- W16-Modules and Packages
- W17-Advanced programming(Argparse and Venv)
- W18-M3 test



# Class definition



```
class Dog:
    # Class Variable
    animal = 'dog'
    # The init method or constructor
    def __init__(self, breed):
        # Instance Variable
        self.breed = breed
    # Adds an instance variable
    def setColor(self, color):
        self.color = color
    # Retrieves instance variable
    def getColor(self):
        return self.color

# Driver Code
Rodger = Dog("pug")
Rodger.setColor("brown")
print(Rodger.getColor())
```



Thanks!

Q&A

