

Module 3 - Python3 for Robotics



Lesson Objectives:

1. Learn fundamental concepts of Python
2. Learn basic syntax of Python
3. Understand Object Oriented Programming
4. Develop basic operational understanding of Python through application

Agenda:

1. The Construct: Python3 for Robotics.

1 The Construct: Python3 for Robotics.

In the next few lessons you will use the free online ROS education program called The Construct. We will now look at the Python3 programming language as it relates to robotics.

1. Browse to <https://app.theconstructsim.com/> and login.
2. In the left menu, select **Courses**.
3. Within the *Course Catalog*, filter by **Basic ROS**.
4. Find the *Python3 For Robotics* course and click **Start Learning**.

2 Assignments.

- ☐ **Due beginning of Lesson 8** - Unit 1: Introduction & Unit 2: Python Essentials
- ☐ **Due beginning of Lesson 9** - Unit 3: Conditional Statements & Loops & Unit 4: Functions
- ☐ **Due beginning of Lesson 10** - Unit 5: Python Classes & OOP & EXAM - Ultimate Code Foundation Challenge

3 Next time.

- **Lesson 8** - Unit 1 & 2 quiz
- **Lesson 9** - Unit 3 & 4 quiz
- **Lesson 10** - Module 4: Driving the robot using Teleop Twist Keyboard