

### Unit 3: Skill Building

**Mon Oct 25:** L3.1: Best Practices Discussion (no video)

[Assignment 3.1](#) ([Wilson et al. 2017](#) or [Stewart et al. 2017](#)) | [none](#) | 2.1.1, 2.1.4, 2.2.1–2.2.3

**Wed Oct 27:** L3.2 Version Control with git and Github (no video)

[None](#) | [None](#) | [2.3.1](#), [2.3.3](#), [2.3.4](#)

**Fri Oct 29:** L3.3: Writing Your Own Functions

[Davies Ch. 9](#) | [Assignment 3.2](#) | [1.2.1–1.2.5](#), [3.5](#)

**Mon Nov 1:** L3.4: Flow Control – Conditionals

[Davies Ch. 10.1](#) | [Assignment 3.3](#) | [1.2.1](#), [1.2.7](#)

**Wed Nov 3:** L3.5: Flow Control – Looping

[Davies Ch. 10.2](#), [Code Academy: Loops](#) | [Assignment 3.4](#) | [1.2.1](#), [1.2.6](#), [1.2.8](#)

**Fri Nov 5:** L3.6: More Practice with Flow Control (no video)

[Davies Ch. 10.3](#) | [none](#) | [1.2.1](#), [1.2.6–1.2.8](#)

**Mon Nov 8:** L3.7: Automation (no video)

[Davies Ch. 11](#) | [Assignment 3.5](#) | [1.2.1–1.2.5](#), [3.5](#)

**Wed Nov 10:** L3.8: Debugging and Exception Handling

[Davies Ch. 12.1](#), [12.3](#) | [Assignment 3.7](#) | [1.2.4](#), [1.2.5](#), [1.2.11](#), [1.3.9](#), [1.3.10](#), [3.5](#)

**Fri Nov 12:** L3.9: When, Why, and How to Refactor Code

[None](#) | [Assignment 3.6](#) | [1.2.9](#), [1.2.10](#), [1.3.3](#), [1.3.7](#)

**Mon Nov 15:** Refactoring Day! (no video)

[None](#) | [Prepare a short \(5 min\) presentation on how you've improved your project code](#) | [1.3.7](#), [1.3.9](#), [1.3.10](#), [3.5](#)

**Wed Nov 17:** Skill Check 3 (SK3): Building Better Code (no video)

[\(open\)](#) | [Complete Skill Check](#) | [1.2](#), [1.3.3](#), [1.3.9](#), [3.5](#)

**Fri Nov 19:** Project 2 (P2): Assessing Project Improvement (no video)

[None](#) | [Complete the Skill Check](#) | [1.3.9](#), [1.3.10](#), [2.2.1](#), [2.2.2](#), [2.2.4](#), [2.3.4](#), [3.5](#)

**Mon Nov 22:** Thanksgiving (no class)

**Wed Nov 24:** Thanksgiving (no class)

**Fri Nov 26:** Thanksgiving (no class)