



Week 3 Information



Reading: Week 3 Overview
10 min

Lesson 3: Graph Data Structures



Video: 3.1.1 Graphs: Introduction
6 min



Video: 3.1.2 Graphs: Vocabulary
8 min



Video: 3.1.3 Graphs: Edge List Implementation
4 min



Video: 3.1.4 Graphs: Adjacency Matrix Implementation
6 min



Video: 3.1.5 Graphs: Adjacency List Implementation
8 min

Week 3 Graded Activities



Quiz: Week 3 Quiz
10 questions



Quiz: Week 3 Challenge Problem
1 question



Programming Assignment: Graph Search Project
5h



Week 3: Graph Data Structures

Time

This lesson should take **approximately 3.5-6 hours** of dedicated time to complete, with its videos and assignments.

Lessons

The activities for this lesson are listed below (with required assignments in bold italics):

Activity	Estimated Time
Lesson 3.1 Lecture Videos	20 minutes
<i>Week 3 Graded Quiz</i>	30 minutes
<i>Week 3 Challenge Problem</i>	1 hour
<i>MP #2</i>	1-3 hours

Key Concepts

- [[[TBA]]]

Getting and Giving Help

You can get/give help via the following means:

- Use the **Learner Help Center** to find information regarding specific technical problems. For example, technical problems would include error messages, difficulty submitting assignments, or problems with video playback. If you cannot find an answer in the documentation, you can also report your problem to the Coursera staff by