

DSA in Python

August 26, 2021

1 ETE 2324: Data Structures and Algorithms

1.1 Course Contents

- Introduction to DSA
 - Reading: [Chapter 1](#)
 - Notebook: [Introduction](#)
 - Lectures: [PDF](#) [HTML](#) [Latex](#)
- Complexity Analysis
 - Reading: [Chapter 3](#)
 - Notebook: [Complexity Analysis](#)
 - Lectures: [PDF](#) [HTML](#) [Latex](#)

1.2 Textbooks

- [Problem Solving with Algorithms and Data Structures using Python](#)
- Cormen, Thomas, Charles Leiserson, Ronald Rivest, and Clifford Stein. **Introduction to Algorithms**. 3rd ed. MIT Press, 2009. ISBN: 9780262033848.
- Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser. **Data Structures and Algorithms in Python** Wiley (2013)

1.3 Additional Resources:

- How to install python and jupyter
 - [Installation Guide](#)
- Python Tutorial
 - Part 1: [Notebook](#), [HTML](#)
 - Part 2: [Notebook](#), [HTML](#)
 - Part 3: [Notebook](#), [HTML](#)
 - List in Python: [Notebook](#), [HTML](#)