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August 26, 2021

## 1 ETE 2324: Data Structures and Algorithms

### 1.1 Course Contents

- Introduction to DSA
  - Reading: [Chapter 1](#)
  - Notebook: [Introduction](#)
  - Lectures: [Slides](#), [PDF](#), [HTML Latex](#)
- Complexity Analysis
  - Reading: [Chapter 3](#)
  - Notebook: [Complexity Analysis](#)
  - Lectures: [Slides](#), [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: [Slides](#), [Notebook](#), [HTML](#)
  - Part 2: [Slides](#), [Notebook](#), [HTML](#)
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