This week (Chapter 2) and next week (Chapter 3):

- Abstract data types (Monday)
- Data Structures (Wednesday and today)
- Programming practices (today)
- Linear sorting algorithms (next week Monday, Wednesday, and lab)
- Disjoint sets and array forests (next week Friday)

Today:

- “Advanced” /hybrid/abstraction data structures
- Adapter pattern
- Iterators (and other “programming practices”)
Why iterators?

- They provide a universal, consistent interface. (Abstraction)
- They do not expose the collection’s internal structure. (Encapsulation)
- They make great problems, exercising your understanding of a data structure, the client code’s interaction with it, and how to process its contents. (Pedagogy)
Coming up:

Due Fri, Jan 26: (end of the day)
Read (or finish reading) Section 2.(2, 4, & 5)
Take data structures quiz

Also:
Do “Implementing ADTs” project (due Mon, Jan 29)

Due Wed, Jan 31: (class time)
Read Section 3.1
Do Exercises 2.(22–24)

Due Thurs, Feb 1: (end of day) Take sorting quiz