

# Data Abstraction: Sets

CMSC 11500

Introduction to Computer Programming

October 21, 2002

# Administration

- Midterm Wednesday – in-class
  - Hand evaluations
  - Structures
    - Self-referential structures: lists, structures of structs
  - Data definitions, Templates, Functions
    - Recursion in Fns follow recursion in data def
    - Recursive/Iterative processes
- Based on lecture/notes/hwk
  - Not book details
- Extra office hrs: Tues 3-5, RY 178

# Roadmap

- Recap: Structures of structures
- Data abstraction
  - Black boxes redux
  - Objects as functions on them
  - Example: Sets
    - Operations: Member-of?, Adjoin, Intersection
    - Implementations and Efficiency
      - Unordered Lists
      - Ordered Lists
      - Binary Search Trees
- Summary