

# Final Exam

- Time: Dec. 10, Monday, 14:00-15:40
- Location: see Canvas announcement
- A written exam
  - Like our written assignments
  - Pseudo-code OK (but make sure we can **understand** it!)
- Closed book and closed notes
- No electronic equipment is allowed
  - Including laptops, cell phones, smart watches, calculators (we have very simple calculation!), etc.
- Abide by the **Honor Code**!

# Final Exam Topics

- Binary search tree
  - Insertion, removal, time complexity, other efficient operations
  - k-d tree
  - trie
- Balanced search tree
  - AVL tree
  - Red-black tree
- Graph and graph algorithms
  - Graph search, topological sorting, MST, shortest path

Fibonacci heap and dynamic programming  
not included