

Guide for Quizzes

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Basic Information

- **Range:** Quiz i covers the content from the first lecture to the last lecture before quiz i , for $i = 1, 2, 3$. However, their ranges do not intersect too much. In other words, quiz i mainly focuses on the content between quiz $i - 1$ and quiz i .
- **Closed Test:** Textbooks or any kinds of materials relating this course are not allowed to use in quizzes. Also do not copy others' solutions.
- **Score:** 100 points for each quiz. Different problems may have different points.
- **Difficulty:** 50% easy; 25% normal; 25% tricky
E.g., Q1 of H1 is easy; Q2, Q3, Q5 of H1 is normal; Q4 of H1 is tricky
- **Question Type:** Questions do not have fixed patterns. They may ask for a proof, explanation or a simple yes-or-no answer. Besides, "proof" does not mean a long answer, and "explanation" does not mean a short answer. No matter what you are asked to do, please write down your answer in a precise manner.
- **Time and Location:**
 - quiz 1: Oct 5, 2016 (Wednesday) at 15:30 - 16:20, Room: SCC 9000
 - quiz 2: Oct 28, 2016 (Friday) at 15:30 - 16:20, Room: SWH 10081
 - quiz 3: Nov 18, 2016 (Friday) at 15:30 - 16:20, Room: SWH 10081

How to Prepare for the Quizzes

- Basic definitions should be well memorized, *e.g.*, asymptotic notations, hash table, binary search tree etc.
- You do not need to memorize any complicated algorithms/pseudocodes from the textbook, but you need to understand how they work. For simple algorithms, you should be able to work them out by yourselves.

- You should understand the basic ideas/techniques behind data structures or algorithms
- Some important ingredients for data structures/algorithms:
 - advantages/disadvantages of a data structure
 - what problem an algorithm solves
 - running time (worst-case, average case etc.)
 - correctness of the algorithm
 - comparisons of related algorithms or data structures