

Hi everyone,

Here are quick heads-ups for the next few lectures:

We missed a week of school (two lectures) when classes were suspended and we won't try to make up both lectures. There is room in our current lecture schedule to make up only one of the lectures. I do not want to give a lecture on the last day of "dead week". I generally use the last session to engage students in a postmortem of some of the course highlights including topics and courses that they might consider studying or taking beyond an advanced data structures course. I will be sticking to that tradition in spite of us doing online lectures. I find this to be a more useful way to close a course.

a. Week beginning April 13 (next week)

Tuesday: **Hashing (Hash Tables)**

Thursday: **String Matching** (Brute-force vs KMP String Matchers)

***Huffman Trees and Encoding (An Application of Tries)* - this is now an optional topic.

I will not give a lecture on this. I will simply put a handout on Moodle.

You may read the handout during your spare time or after the course has ended.

You won't be tested on tries, data compression using Huffman trees/encoding and other concepts discussed in this handout or from this topic that would have been discussed in a full lecture.

b. Week beginning April 20

Tuesday: **B-trees (Insertion and Traversal)**

Thursday: **More on B-trees (Deletion)**

c. Week beginning April 27 ("dead" week)

Tuesday: **Some B-trees Related Math** - Deriving and applying formulas for max/min number of nodes, max/min number of entries, max/min height. These will all involve the use of geometric series.

Thursday: Course concluding remarks, final exam heads up and other course-related administrative matters.

Homework # 2 has been graded and the grades have been posted to the moodle grade book. For feedback, contact Jesse (gdail@lsu.edu).

Regards,

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