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### INSTRUCTION DIVISION SECOND SEMESTER 2016-2017 ...

The course has a design focus but realization and performance issues will also be emphasized 1 b Course Objectives: Michael T Goodrich and Roberto Tamassia: Algorithm Design: formulate time complexity of an algorithm as a recurrence relation and solve it ...

### Spring 2020, CMPSC 465 Data Structures and Algorithms

of efficient algorithm design, and teaches them how to analyze the asymptotic behavior of both recursive and non-recursive algorithms The first objective is to teach a precise notion of efficiency: time and space complexity The second is to provide mathematical tools to compare efficiency ...

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Michael T Goodrich\* Dept of Computer Science Johns Hopkins University Baltimore, MD 21218 goodrich@cs.jhu.edu Abstract We describe an approach for incorporating randomization in the teaching of data structures and algorithms The proofs we include are quite simple and can easily

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Randomized Shellsort: A Simple Oblivious Sorting Algorithm Michael T Goodrich imply applications in the design of new efficient privacy-preserving computations based on the secure multi-party sorting algorithm, so as to drive efficient SMC protocols that

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