

122COM: Introduction to Algorithms

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Overview

1 Module structure

- 1 GUIs
- 2 Using databases
- 3 C++ intro
- 4 Searching
- 5 Data structures
- 6 Profiling and complexity
- 7 Sorting
- 8 Nifty algorithms
- 9 Classes and linking

Evaluation

10 credit module. Full coursework evaluation

- MCQ Week 5/6 (20%)
- MCQ Week 10/11 (20%)
- ALL project (60%)

- Write GUI and/or database integration code.
- Write and understand algorithms.
 - Searching algorithms.
 - Sorting algorithms.
 - Algorithmic complexity.
- Write some C++ code.
 - BIT will not be tested on C++
- Understand memory.
 - Pointers.
 - Stack and Heap.
- Understand data structures.
 - Stack.
 - Queue.
 - Array.
 - Vector.

Going to be using TopHat during the lectures.

- Mini MCQs.
- <https://tophat.com>
- Make sure to register by next week.
 - Join code 094769.
- Install the app on your smart device.

The End