Distributed Systems: Introductory Lecture

Barry Denby
barry.denby@gcd.ie

Distributed Systems

- This course will explore distributed systems and how they differ from single machine systems

- We will explore the issues involved in constructing such systems

  - and some of the solutions to such problems

Distributed Systems

- The notes I will be using are Dr Waseem Ahktar's notes from previous years.

  - They are high quality notes and will give you a good foundation of the principles that you need should you decide to produce your own distributed system.

  - However we will only look at these for the first 6 or 7 weeks
    - you will be expected to study the rest of these notes yourself.

  - After this we will go into some research of distributed systems

    - may make up some of your assignments
    - may be asked on the exam.

Distributed Systems

- However I will add in some notes of my own about some distributed systems

  - Things like Gnutella, BitTorrent, maybe Seti@Home and Folding@home

Distributed Systems

- In the practical sessions (not running for week 1)

  - We will build a few small distributed systems.

  - Not entirely sure what to build yet but we will get to that later

  - Some of this work will count towards your final assessment mark

Distributed Systems Assessment

- Continuous Assessment: 40%
    - Not entirely sure how this will be composed
    - However it will be a mix of programming and essay type work.

- Exam: 60%
    - Not entirely sure of what questions will be asked
    - Exam structure will follow that of previous exam papers
    - Exam questions are likely to be quite similar to those on previous papers.

Distributed Systems

- In lectures we will cover the theoretical side of distributed systems

- In labs we will implement some distributed applications and systems