



Distributed Applications

The module

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The module

- CS3110: Distributed (and Networked) Applications
- Module credit 10

Learning Provision

- Lectures: 20 hours
- Self-study project: 6 hours
- Surgery: 6 hours
- Coursework, further study and examination: 68 hours
- Total student time: 100 hours

Assessment

- Formal examination: 80% (2 hours)
- Continuous assessment: 20% (practical/essay assignments)

Prerequisites

- CS1010 *or* CS1110 Introduction to Systematic Programming
- CS1240 *or* CS1280 Internet Computing
- CS1190 Understanding Information Systems
- CS2020 Software Engineering *or* CS2190 Software Lifecycle

Learning outcomes

- Able to evaluate and design distributed applications
- Aware of concepts and application areas
- Aware of social, commercial, legal and human environments
- Able to apply related tools and techniques

content

- Networking, internetworking
- Characteristics of distributed systems
- Synchronisation, shared data and transactions
- Security
- Programming in a distributed environment
- Agents, agent security
- SGML, XML
- Some applications: for example CSCW, e-Business, digital rights, electronic payment

Summary

This module will require:

- Extensive reading
- Learning of wide range of knowledge
- Understanding how to apply this knowledge
- Some simple mathematics
- The ability to write computer programs

Administation

- Handouts - to facilitate lectures - skeleton form only
- Coursework due last week of Term 2
- All communication via module web page:
- <http://www-users.aston.ac.uk/~dohertbs>
- password: bsdTeachingPages



Now to work