CS405 Introduction to Empirical Modelling	
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Classical Computer Science

Emerging Computer Science

Classical Computer Science

Topics such as :

Algorithms and data structures

Models of computation: formal languages and automata

Specification, design, implementation of complex systems

Emerging Computer Science

Topics such as :

Agile methods of development, open source software

Mark-up languages, tagging notations such as XML, cascading style sheets, dependency injection

Web technologies, HTML 5, Javascript, adaptive hypermedia, Web 2.0, social networking, collaborative environments

Multimedia, multi-core processing, grid and cloud computing

Wireless sensor networks, machine learning, data mining ...

What is Empirical Modelling?

A new framework of principles and concepts, of tools and techniques, for the construction of **interactive artefacts** that embody personal understanding. It is a broad perspective, drawing on both history and philosophy, able to give account of classical computer science **and** emerging computer science. It addresses the current tensions between theory and practice in computer science and contributes to both. Major themes of the EM module

Experiential and human aspects of computing: the notion of 'construal'

Modelling tools and programming

Concurrency and applications

EM perspective on Computer Science

What can I do today?

Make sure you are registered with ITS and have a DCS account too. Look at the EM website:

www.dcs.warwick.ac.uk/modelling

Follow the tab at the top Teaching (follow links), and on the right CS405 (link to Lab 1 – it's tomorrow!).

What can I do tomorrow?

Come to the opening of CS405 at 12.00 noon in CS104 followed by the first lab session downstairs in CS001.