



University of Pretoria Yearbook 2017

Introduction to computer science 151 (COS 151)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module content	This module introduces concepts and terminology related to the computer science discipline. General topics covered include the history of computing, machine level representation of data, Boolean logic and gates, basic computer systems organisation, algorithms and complexity and automata theory. The module also introduces some of the subdisciplines of computer science, such as computer networks, database systems, compilers, information security and intelligent systems. The module also focuses on modelling of algorithms.
Module credits	8.00
Programmes	BIS Multimedia BIT Information Technology BSc Computer Science BSc Information and Knowledge Systems BSc Mathematical Statistics
Service modules	Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	APS of 30 and level 5 (60-69%) Mathematics.
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Afrikaans and English is used in one class
Academic organisation	Computer Science
Period of presentation	Semester 1

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