Computer engineering: Architecture and systems 410 (EAS 410)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
NQF Level	08
Programmes	BEng (Computer Engineering)
	BEng (Computer Engineering) ENGAGE
Prerequisites	EMK 310 GS
Contact time	1 practical per week, 1 tutorial per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Electrical, Electronic and Computer Engineering
Period of presentation	Semester 1

Module content

The module covers advanced topics in computer architecture and systems, in particular, multiprocessors, parallelisms, performance measurement of computer systems, scheduling, data routing mechanisms, efficiency, and hierarchical memory technology. In addition, quality of parallelism, system efficiency, speedup, and linear and non-linear pipelines technologies are investigated to gain deeper insight into the computer system architecture.

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.