



University of Pretoria Yearbook 2016

Generic programming 782 (COS 782)

Qualification Postgraduate

Faculty [Faculty of Engineering, Built Environment and Information Technology](#)

Module content This module introduces the concepts of generic programming in order to generate code at compile-time. Of particular interest is the automatic generation of design pattern implementations at compile-time for use at run-time. To this end, design patterns and compile-time programming techniques such as: basic compile-time programming constructs, object allocation, generalised functors, smart pointer and multi-methods are discussed in detail and applied to design patterns.

Module credits 15.00

Programmes [BIT Information Technology](#)

[BScHons Computer Science](#)

Prerequisites No prerequisites.

Contact time 2 lectures per week

Language of tuition English

Academic organisation Computer Science

Period of presentation Semester 1 or Semester 2

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