

University of Pretoria Yearbook 2016

Educational software development 750 (COS 750)

Qualification Postgraduate

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

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

Module content

This module provides the foundation to evaluate and develop educational software. It will introduce didactic principles applicable to the discipline of Computer Science. Using these principles, educational software, such as tools for teaching programming, on-line testing software, and adaptive software to name a few, can be evaluated and developed. Computer Science topics of interest are: programming environments, persistence of information and knowledge, knowledge representation etc.

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