

University of Pretoria Yearbook 2022

Intelligent systems 320 (EAI 320)

Qualification Undergraduate

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

Module credits 16.00

NQF Level 07

Programmes [BEng \(Computer Engineering\)](#)

[BEng \(Computer Engineering\) ENGAGE](#)

Prerequisites WTW 258 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 is an introduction to problem-solving and pattern recognition using intelligent systems. Application of basic artificial intelligence (AI) and machine learning (ML) techniques including search, genetic algorithms, neural networks, probabilistic reasoning, and supervised learning are covered.

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