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.