

# University of Pretoria Yearbook 2022

## Decision modelling and machine learning 712 (GIA 712)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Gordon Institute of Business Science</a>
<b>Module credits</b>	10.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">PGDip (Business Administration) Full-time</a> <a href="#">PGDip (Business Administration) Part-time</a> <a href="#">PGDip (General Management)</a>
<b>Prerequisites</b>	No prerequisite.
<b>Contact time</b>	35 contact hours per 3 week-cycle
<b>Department</b>	Gordon Institute of Business Science
<b>Period of presentation</b>	Semester 1 or Semester 2

### Module content

This module exposes students to machine and statistical learning algorithms that can be used to manipulate big data, identify trends from the data, modelling trends for prediction purposes as well as modelling for the detection of hidden knowledge. Student will learn to identify settings in which models can be used effectively and apply modelling concepts in practical situations, including visualisation – the encoding of information, such as patterns, into visual objects.

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