ISCG7426: Data Mining

Course number:	**ISCG7426** **Level: 7**	**Credits:**	**15**
Main programme:	BCS	**Delivery:**	One Semester
Endorsement:	Elective	**Hours directed:**	39
Other programmes:	GDCMP	**Hours self-directed:**	111
Prerequisites:	For BCS: ISCG5421 and ISCG6425 For GDCMP: ISCG6421 and ISCG6425 or as approved by the Programme Leader	**Total hours:**	150
Co-requisites:	None	**Number of weeks:**	16 weeks
Restrictions:	None		
Entry requirements:			

Students are expected to adhere to Unitec's policy on conduct in respect of staff, fellow students, and in the use of resources and facilities.

NZQA Level Descriptor: {chosen from table presented above in section 2]

	Knowledge	***Skills***	***Application***
7	*knowledge of a major discipline with areas of specialisation in depth* *the analysis, transformation and evaluation of abstract data and concepts* *the creation of appropriate responses to resolve given or contextual abstract problems*	*require a command of highly specialised technical or scholastic and basic research skills across a major discipline* *involve the full range of procedures in a major discipline are applied in complex, variable and specialised contexts*	*in planning, resourcing and managing processes within broad parameters and functions with complete accountability for determining, achieving and evaluating personal and/or group outcomes.*

Course aim:
To provide students with the knowledge, tools and techniques required for mining complex data sets and to present the results to non-technical audiences.

Learning outcomes:

1. Demonstrate an in-depth knowledge of modern data mining techniques
2. Apply data mining techniques for examining, processing and evaluating raw input data to discover, interpret and measure interesting patterns
3. Present data mining results in a form that non-technical audiences will find usable, relevant and intelligible