Cape Peninsula
University of Technology

RESPONSE FROM CAPE PENINSULA UNIVERSITY OF TECHNOLOGY IN TERMS OF DEFERRALS REGARDING CATEGORY B QUALIFICATIONS

MTINFR: Master of Information and Communication Technology
DATE OF RE-SUBMISSION: 28 APRIL 2015

COMMENTS RECEIVED FROM HEQC (dated 18 March 2015)

Most of the modules were added, which constitutes a more than 50% change in the curriculum. Revisit this programme and relook at the structure as the title of the qualification includes Communication and Information Technology ensure that students exiting the programme have sufficient knowledge in both these fields.

RESPONSE FROM INSTITUTION REGARDING QUERIES

The field of Information and Communication Technology (ICT) represents an established technology field that are internationally recognised and should not be viewed as two separate fields consisting of: Communication and Information Technology. Although the Classification for Education Subject Matter (CESM Manual, 2009) does not make provision for ICT (only Information Technology), the description of CESM 060103 (indicated below) makes provision for 'telecommunication' which, with the convergence of analog and digital technologies, has extended the focus to include not only Information Technology, but also Communication.

> **CESM 060103 Information Technology**: An area of study which focuses on the design of technological information systems, including computing systems, as solutions to business and research data and communications support needs. Includes instruction in the principles of computer hardware and software components, algorithms, databases, telecommunications, user tactics, application testing, and human interface design.

CPUT is arguing that the designator of ICT should be recognised as a relevant designator for the professional Master's degree since this designator is an used extensively internationally, for example: University of Western Sydney (http://www.uws.edu.au/future-students/postgraduate/postgraduate/postgraduate_courses/information_technology_and_computing_courses/informationcommunication); Charles Sturt University (http://www.csu.edu.au/courses/master-of-information-and-communication-technology-in-education); Aalborg University (http://www.aau.dk/uddannelser/efteruddannelse/master/information-and-communication-technologies) and La Trobe University (http://www.latrobe.edu.au/courses/feature/it-and-engineering/master-information-communication-technology).

CPUT is currently offering three HEQSF aligned Diploma qualifications within the field of Information and Communication Technology, namely:
- Diploma in Information and Communication Technology in Applications Development;
- Diploma in Information and Communication Technology in Communication Networks;
- Diploma in Information and Communication Technology in Multimedia Applications.

The institution wishes to offer Advanced Diplomas and Postgraduate Diplomas leading to a Master of Information and Communication Technology in future, hence the designator of 'Information and Communication Technology' for a professional Master's degree appears to be relevant and appropriate.

In terms of the programme structure of this Master's degree (see Table 1 below), CPUT is proposing that the credits allocated to the research project be 120 SAQA credits and that 60 credits of coursework be included. The coursework component will consist of 30 SAQA credits of Research Training and Methodology and a number of elective streams (30 SAQA credits) that will allow students the option to select the area of specialisation related to their undergraduate qualification(s) as well as their personal interest. The elective streams will constitute 30 SAQA credits in total. This programme structure will adopt the same curriculum logic that applies to the Master of Urban and Regional Planning as a Category B qualification that was regarded as 'deemed accredited' by the HEQC.

Table 1: Proposed (amended) programme structure

Compulsory			Electives (coursework)				
			Communi-cation Networks	Applications Development	Multi-media Technologies	ICT for Development	INFOX
			30 SAQA credits	**30 SAQA credits**	**30 SAQA credits**	**30 SAQA credits**	**30 SAQA credits**
Course-work	Research Training & Methodology	30	Distributed Systems & Cloud Computing	Computer Security	Social Media	Social Theory & Development Studies	Data Mining & Information Analysis
Research	Integrated Capstone Project & Research report	120	Network Management Models	Mobile Technologies	Animation & Simulation Technologies	Community Informatics	Social Computing
			Routing Protocols & Algorithms	Big Data & Analysis			Computational informatics

Kindly direct any queries pertaining to this re-submission to:
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