**Master of Engineering in Electrical and Electronic Engineering** (702108R / 702108R)

**Question 1 comment:**

This is a 100% research based Masters and is aligned to the HEQSF requirements. Admission requirements .The admission requirements submitted only make provision for applicants with a 4 year Bachelor's Degree. What about articulation for applicants with other relevant level 8 qualifications such as a Bachelor's of Engineering (Honours) in Electrical Engineering or Postgraduate Diploma in Electrical Engineering or related fields?

**NWU Feedback:**

The Institution decided not to alter the admission requirements as student with other level 8 qualifications may be admitted via the RPL route.

**Question 2 comment:**

This is a 100% research based Masters and is aligned to the HEQSF requirements.

**NWU Feedback:**

Noted.

**Question 3 comment:**

The assessment strategy is aligned with what is required at this level.

**NWU Feedback:**

Noted.

**Question 4 comment:**

The learning activities is not aligned to what is required at this level Direct contact time allocated is 450 hours vs the 90 hours of self-study. At this level the students should spend less time on contact and more time on self-study. WIL - no time is allocated for experimental/laboratory work. At this level for this type of qualification the students should spend some time on experimental/laboratory activities. Assessment - 360 hours allocated for assessment. For a 100% research based Masters it is not clear why the students is spending so much time on assessments if there are not coursework included in this qualification.

**NWU Feedback:**

The learning activities were adjusted as follows:

Please see table below.

|  |  |  |
| --- | --- | --- |
| **Type of learning activity** | **Hours** | **% of Learning time** |
| Direct contact time (Lectures, face to face, limited interaction or technology-assisted, tutorials, Syndicate groups) | 450 | 25% |
| WIL (Practical experiential learning, simulated learning, laboratory work , practicals etc excluding workplace-based learning) | 270 | 15% |
| Independent self-study of standard texts and references and specially prepared materials (study guides, books, journal articles, case studies, multi-media) | 684 | 38% |
| Assessment | 126 | 7% |
| Other (specify) | 270 | 15% |
| Total | 1 800 | 100% |
| If you selected "Other" as a type of learning activity please give a detailed explanation below: Guided and supervised research activities: literature overview, research design and implementation, analysis of results, conclusions and recommendations. | | |

**Recommended Evaluation Outcome comment:**

**1) SAQA ID.** No SAQA ID was supplied in the submission. I have checked the SAQA website. A qualification entitled Master of Engineering (SAQA ID: 72803) is currently registered with SAQA. No qualification titled Master of Engineering in Electrical Engineering is currently registered with SAQA.

**NWU Feedback:**

At this Institution, the qualification on the PQM was listed as Master of Engineering. Against this qualification, various programmes were approved by the DHET. One of these programmes was Electrical and Electronic Engineering.

With the HEQSF-process, these individual programmes were tested against the prescriptions of the HEQSF. This programme meet the prescriptions for a new alone standing qualification. During consultation with various role players, the NWU was advised that this was the recommended route to take in these instances.

**2) Admission requirements.** The admission requirements submitted only make provision for applicants with a 4 year Bachelors Degree. What about articulation for applicants with other level 8 qualifications such as a Bachelors (Honours) or Postgraduate Diploma?

**NWU Feedback:**

Please refer to the NWU Feedback given on Question 1.

**3) International comparability.** The information provided does not give any indication of the qualifications International Comparability. Has the proposed qualification been bench marked against national and international HE institutions?

**NWU Feedback:**

The SAQA level descriptors for HEQF level 9 were used to design the qualification standard. The faculty maintains close relationships with national and international higher education institutions, and staff members regularly participate in scientific exchanges, conferences and partnerships. Many external examiners are from international institutions.

Similar degrees are presented at the following institutions:

University of Glasgow

Swinburne University of Technology

Eindhoven University of Technology

**4) The learning activities.** The learning activities is not aligned to what is required at this level. Direct contact time allocated is 450 hours vs the 90 hours of self-study. At this level the students should spend less time on contact and more time on self-study. WIL - no time is allocated for experimental/laboratory work. At this level for this type of qualification the students should spend some time on experimental/laboratory activities. Assessment - 360 hours allocated for assessment. For a 100% research based Masters it is not clear why the students is spending so much time on assessments if there are not coursework included in this qualification.

**NWU Feedback:**

Please refer to the NWU Feedback given on Question 4.