Quality and integration management 801 (IQM 801)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	10.00
Programmes	MEng Project Management (Coursework)
	MSc Project Management (Coursework)
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester
Language of tuition	Module is presented in English
Department	Engineering and Technology Management
Period of presentation	Semester 1 or Semester 2

Module content

The module details the quality journey in projects and how all project knowledge areas are integrated into a final project plan to ensure the quality of project management. It further addresses the quality of the project's products through the proper definition of the project business case, scope definition and the breakdown of the project's products into manageable deliverables that will meet stakeholder expectations. Though specification development of the deliverables using quality planning (QP) techniques, the quality metrics or quality measurement criteria for the specification will be established. These criteria will form part of the project's quality assurance plan (QAC) which is integrated with the project's life cycle and schedule as well as management and approval authorities. Quality control (QC) and quality assurance (QA) processes and activities to test, verify and audit product, support as well as managerial processes and deliverables are also discussed and non-conforming elements are recommended for improvement through the use of quality improvement tools and techniques. The use of quality standards and methodologies to enhance the quality of projects is also discussed. The module concludes with the development of an integrated project plan, incorporation all knowledge areas addressed in the different modules of the programme.