Engineering asset management and maintenance 801 (IAM 801)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	10.00
NQF Level	09
Programmes	MEng *Engineering Management* (Coursework)
	MSc *Engineering 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

Since the beginning of human history, man has continued to engineer artefacts that provide the means to enhance the way we live, often by directly replacing humans in numerous laborious and dangerous tasks. These engineered assets range from indispensable and personalisable gadgets (e.g., mobile phone) and tools (e.g., notebook computer) to small and large scale cyber-physical systems, equipment, facilities, infrastructure, machinery, and industrial plant that are deployed in all aspects of human endeavour. The module emphasises the value doctrine as the basis for managing engineered assets. Thus, the focus is on the synergy between multidisciplinary knowledge areas in science, engineering and technology, as well as the application of cross-disciplinary skills in operations, maintenance, finance, logistics, human resources, inter alia, to achieve effective management of engineered assets that constitute our built environment. Candidates studying the module will be required to analyse case studies and to carry out practical exercises.

General Academic Regulations and Student Rules
The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or

basis for an exception to any of the aforementioned regulations. The G Regulations are updated annually and may be amended after the publication of this information.

Regulations, degree requirements and information
The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

University of Pretoria Programme Qualification Mix (PQM) verification project
The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.