

# POSTGRADUATE DIPLOMA IN OPERATIONS MANAGEMENT

PGDip (Operations Management) - NQF Level 8 (120 credits)

**Qualification code: PDOM21**

SAQA ID: 111259, CHE NUMBER: H/H16/E121CAN

Campus where offered: Pretoria Campus

## REMARKS

- a. *Admission requirement(s):*  
An Advanced Diploma or a Bachelor's degree in Operations Management, or a Baccalaureus Technologiae: Operations Management, or an equivalent qualification in Operations Management or Management Services at NQF Level 7. Preference will be given to applicants with an average of 60% or more for the final-year.
- b. *Selection criteria:*  
Admission is subject to selection. All applicants received by the published due date will be evaluated and ranked according to the previous related qualification obtained. Only the top performing applicants will be selected as per Departmental Student Enrolment Plan (SEP). Selection will be done in January and results will be published on departmental notice boards and communicated to applicants per e-mail.
- c. *Recognition of Prior Learning (RPL), equivalence and status:*  
See Chapter 30 of Students' Rules and Regulations.
- d. *Intake for the qualification:*  
January only.
- e. *Presentation:*  
Evening classes.
- f. *Minimum duration:*  
One year.
- g. *Exclusion and readmission:*  
See Chapter 2 of Students' Rules and Regulations.

## CURRICULUM

### YEAR MODULES

CODE	MODULE	NQF-L	CREDIT
ERP108G	Enterprise Resource Planning V	(8)	(30)
MSE108G	Manufacturing Systems Engineering V	(8)	(30)
ROR108G	Advanced Research Methodology	(8)	(30)
SIM108G	Simulation	(8)	(30)
TOTAL CREDITS FOR THE QUALIFICATION:			<b>120</b>



## MODULE INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular module. At time of publication, the syllabus content was defined as follows:

### A

#### **ADVANCED RESEARCH METHODOLOGY (ROR108G)**

**CONTINUOUS ASSESSMENT**

*(Module custodian: Department of Operations Management)*

Identify and formulate research idea and problem. Conduct a literature review. Select a research approach and develop an appropriate research design. Plan the research methods. Gain access and research ethics. Piloting data collection instrument. Data analysis techniques. Outline of the research report. Prepare defendable research proposal. Present and communicate a final draft of a research proposal to a range of audiences. (Total notional time: 300 hours)

### E

#### **ENTERPRISE RESOURCE PLANNING V (ERP108G)**

**1 X 4-HOUR PAPER (OPEN BOOK)**

*(Module custodian: Department of Operations Management)*

Explore the concepts and principles of enterprise systems and thereafter show how organisations use enterprise systems to run their operation efficiently and effectively. Various enterprise system modules such as Material Management (MM), Supply Chain Management (SCM), Customer Relationship Management (CRM) as well as Financial Project and Human Resource Management (FPHRM) will be extensively examined. The course will incorporate a laboratory component using an Enterprise Resource Planning Software. (Total notional time: 300 hours)

### M

#### **MANUFACTURING SYSTEMS ENGINEERING V (MSE108G)**

**1 X 4-HOUR PAPER (OPEN BOOK)**

*(Module custodian: Department of Operations Management)*

Explore the various manufacturing system paradigms that could be used in meeting the customer demands which changes sporadically at different periods using various case studies. State-of-the-art technologies that could be used to improve the productivity of a manufacturing organisation will be examined. Furthermore, the concepts of Computer Aided Process Planning (CAPP), and Computer Aided Manufacturing (CAM) used as a catalyst to catapult productivity of an organisation will be examined using various case studies. (Total notional time: 300 hours)

### S

#### **SIMULATION (SIM108G)**

**1 X 4-HOUR PAPER (OPEN BOOK)**

*(Module custodian: Department of Operations Management)*

Explore the concepts and principles of system modelling and simulation. Examination of the state-of-the-art discrete event solution techniques that could be used to appraise and improve the process performance and productivity of manufacturing and service organisations. Various pieces of a simulation model and decision logics that could be used to describe and improve the behaviour of real-life manufacturing and service organisations will be examined using various case studies. The module will incorporate laboratory component using SIMIO software package. (Total notional time: 300 hours)

