

# MAGISTER TECHNOLOGIAE: PHARMACEUTICAL SCIENCES

(Structured)

Qualification code: MTPLS0 - NQF Level 8

Campus where offered: Arcadia Campus

Please note that a moratorium was placed on new intakes as from 2008, until further notice.

## REMARKS

- a. *Admission requirement(s):*  
Any relevant four-year tertiary qualification. A candidate has to apply in advance for status to be granted or an equivalent qualification to be recognised. Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.
- b. *Selection criteria:*  
Selection is based on a personal interview with a departmental selection panel. These procedures will be fully explained to each prospective student at his or her personal interview.  
  
It is highly recommended that the candidate should have passed relevant pharmaceutical subjects during undergraduate studies and/or completed a pharmaceutical-related short learning programme beforehand.
- c. *Duration:*  
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
- d. *Presentation:*  
Block-mode classes and research.
- e. *Exclusion and readmission:*  
See Chapter 2 of Students' Rules and Regulations.
- f. *Structure:*  
This programme consists of subjects offered on a block basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.
- g. *Rules on postgraduate studies:*  
See Chapter 8 of the Students' Rules and Regulations for more information.
- h. *Subject credits:*  
Subject credits are shown in brackets after each subject.

## CURRICULUM

### YEAR SUBJECTS

Subjects are offered as determined by the Department.

CODE	SUBJECT	CREDIT
PHR510T	Research Report: Pharmaceutical Sciences V	(0,500)
PHR510R	Research Report: Pharmaceutical Sciences V (re-registration)	(0,000)
RMD500C	Research Methodology	(0,101)



**plus three of the following subjects:**

CRH500T	Clinical Research	(0,133)
CYH500T	Community Pharmacy	(0,133)
MGE500T	Medicine Governance	(0,133)
PHN500T	Pharmaco-Economics	(0,133)
PRU500T	Pharmaceutical Production	(0,133)

TOTAL CREDITS FOR THE QUALIFICATION: **1,000**

**SUBJECT/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 subject/module. On 01 August 2017, the syllabus content was defined as follows:

**C**

**CLINICAL RESEARCH (CRH500T)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Pharmaceutical Sciences)*

Study design in clinical trials. Biopharmaceutics. Case reports. Good Clinical Practice (GCP) and Good Laboratory Practice (GLP). (Total tuition time: not available)

**COMMUNITY PHARMACY (CYH500T)**

**CONTINUOUS ASSESSMENT**

*(Module custodian: Department of Pharmaceutical Sciences)*

Principles of pharmaceutical care. Drug information. Human resource management. (Total tuition time: not available)

**M**

**MEDICINE GOVERNANCE (MGE500T)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Pharmaceutical Sciences)*

National drug policies. Drug regulation in South Africa. Regulation of complementary medicines, veterinary medicines and medical devices. (Total tuition time: not available)

**P**

**PHARMACEUTICAL PRODUCTION (PRU500T)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Pharmaceutical Sciences)*

Formulation of dosage forms. Establishing the quality of pharmaceutical products. Packaging and labelling of pharmaceuticals. (Total tuition time: not available)

**PHARMACO-ECONOMICS (PHN500T)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Pharmaceutical Sciences)*

Basic economic concepts. Efficiency concepts. Economic evaluations. Drug utilisation reviews. (Total tuition time: not available)

**R**

**RESEARCH METHODOLOGY (RMD500C)**

**CONTINUOUS ASSESSMENT**

*(Subject custodian: Department of Pharmaceutical Sciences)*

Qualitative and quantitative research. Protocol writing. Report writing. Basic statistics. (Total tuition time: not available)

**RESEARCH REPORT: PHARMACEUTICAL SCIENCES V (PHR510T/R)**

**MINI-DISSERTATION ASSESSMENT**

*(Subject custodian: Department of Pharmaceutical Sciences)*

A report in the form of a min-dissertation on a relevant research problem. (Total tuition time: no formal tuition)

