

# POSTGRADUATE DIPLOMA IN HORTICULTURE

PGDip (Horticulture) - NQF Level 8 (120 credits)

Qualification code: PDHO21

SAQA ID: 104483, CHE NUMBER: H/H16/E100CAN

Campus where offered:

Pretoria Campus

## REMARKS

*a. Admission requirement(s):*

An Advanced Diploma in Horticulture, **or** a Baccalaureus Technologiae: Horticulture, **or** a Bachelor's degree in the field of Horticulture, **or** an equivalent qualification at NQF Level 7 with 120 credits. Preference will be given to applicants with an average of 60% or more in the previous qualification.

Holders of any other equivalent South African or international qualification may also be considered, see Chapter 1 of Students' Rules and Regulations.

*b. Selection criteria:*

Admission is subject to selection. Prospective students will be evaluated based on the marks obtained in the previous qualification and/or work experience.

Acceptance is subject to available capacity according to the Student Enrolment Plan (SEP). Applicants will be informed of their status per official letter from the Office of the Registrar, alternatively, they can check their application status on the TUT website, [www.tut.ac.za](http://www.tut.ac.za).

*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:*

Block-mode classes.

*f. Minimum duration:*

One year.

*g. Exclusion and readmission:*

See Chapter 2 of Students' Rules and Regulations.

*h. Re-registration:*

A student may re-register for the module Horticulture Project only with the permission of the Head of the Department. The purpose of the re-registration is to provide students with an opportunity to complete the project only, and not to redo it, should they fail the module.

## CURRICULUM

### YEAR MODULES

CODE	MODULE	NQF-L	CREDIT
HRD108G	Horticulture Project	(8)	(42)
HRD118R	Horticulture Project (re-registration) (first-semester module, see paragraph h)	(8)	(0)
HTE108G	Advanced Horticultural Technology	(8)	(48)



RHO108G Research Methodology (8) (30)

TOTAL CREDITS FOR THE QUALIFICATION: 120

## 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 HORTICULTURAL TECHNOLOGY (HTE108G)

#### CONTINUOUS ASSESSMENT

*(Module custodian: Department of Horticulture)*

This module will prepare students to identify/define a problem/situation/scenario on a topic in a horticulture or related field through critical thinking; plan a sound project to solve the problem/situation/scenario after an intensive literature study on the topic. The qualified student will be able to apply advanced knowledge regarding the critical factors needed to solve the problem/scenario/situation in horticulture or related industries, by developing solutions/control/recommendations with topics and challenges including advanced and applied genetics and breeding, environmental, climate change and plant stress, specialised plant production systems including bulb forcing, seed dormancy, year round production, post-harvest technology as well as relevant plant legislations and plant regulation acts concerning plant improvement, health, conservation, protection, import and export of plant material according to national and internationally accepted standards. (Total notional time: 480 hours)

### H

#### HORTICULTURE PROJECT (HRD108G, HRD118R)

#### PROJECT ASSESSMENT

*(Module custodian: Department of Horticulture)*

The qualified student will be able to apply qualitative and/or quantitative research skills in horticulture or related industries, with topics and challenges including plant production, growth, nursery management and plant propagation, justifying the objectives and hypothesis of a specific project using ethical principles. This module will provide a student with sound knowledge on the important factors needed for scientific research planning and processes, and different research application techniques and strategies used in practice to solve problems and address industry related situations, analysis and interpretation of research data, in order to make sensible deductions and conclusions in practice to address industry related topics and challenges in the related industries. The acquired skills will be used to present a complete research report and poster. (Total notional time: 420 hours)

### R

#### RESEARCH METHODOLOGY (RHO108G)

#### 1 X 3-HOUR PAPER

*(Module custodian: Department of Horticulture)*

The qualified student will be able to select and apply qualitative and/or quantitative research skills in horticulture or related industries. This module will provide a student with sound knowledge on the important factors needed for research planning and processes, experimental design, and different research application techniques and strategies used in practice to solve problems and address industry related situations. The qualifying student will be able to demonstrate an ability to select a sample of participants from a population using sound research principles, and design a questionnaire taking into consideration the type of information/data sought and the population dynamics. The qualifying student will demonstrate an understanding and ability to analyse and interpret research data, including basic statistical analysis, in order to make sensible deductions and conclusions in practice to solve specific problems in the related green industry and the South African community according to sound research principles in a scientific, ethical manner. (Total notional time: 300 hours)

