

ADVANCED DIPLOMA IN ENVIRONMENTAL SCIENCES

AdvDip (Environmental Sciences) - NQF Level 7 (120 credits)

Qualification code: **ADEV20**

SAQA ID: 105101, CHE NUMBER: H/H16/E068CAN

Campus where offered:

Arcadia Campus

REMARKS

a. Admission requirement(s):

A Diploma in Environmental Sciences, **or** a National Diploma: Environmental Sciences, **or** a relevant bachelor's degree, **or** an equivalent qualification at NQF Level 6 with a minimum of 360 credits.

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.

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:

Day 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 Environmental Research 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
ENR107V	Environmental Research Project	(7)	(48)
ENR117R	Environmental Research Project (re-registration) (first-semester module, see paragraph h)	(7)	(0)
EVD107V	Environmental Management	(7)	(24)
EVS107V	Environmental Science	(7)	(24)



TER117V Theory of Environmental (7) (24)
Research (first-semester module)

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:

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ENVIRONMENTAL MANAGEMENT (EVD107V) 1 X 3-HOUR PAPER

(Module custodian: Department of Environmental, Water and Earth Sciences)

The application of key terms, rules, theories and techniques of the field of environmental management. Upon completion, the student will be able to recognise and use the major tools used for waste management, environmental rehabilitation and organisational environmental management. In addition, the student will demonstrate his/her writing skills, team working ability and presentation skills. (Total notional time: 240 hours)

ENVIRONMENTAL RESEARCH PROJECT (ENR107V, ENR117R) PROJECT ASSESSMENT

(Module custodian: Department of Environmental, Water and Earth Sciences)

The application of the key terms, rules, theories and techniques of research in the field of environmental science. Upon completion, the student will be able to identify a relevant research topic, write a proposal, conduct research according to sound scientific principles, summarise, interpret and communicate in a scientific way. The content of the module includes, but is not limited to, introduction and identification of research topic, motivation, objectives, experimental design, literature review, data collection, data analysis, interpretation, discussion and conclusions. The module will include finalising a research report. (Total notional time: 480 hours)

ENVIRONMENTAL SCIENCE (EVS107V) 1 X 3-HOUR PAPER

(Module custodian: Department of Environmental, Water and Earth Sciences)

The application of key terms, rules, theories and techniques of the field of environmental science. Upon completion, the student will be able to recognise and critically evaluate the major environmental specialist modelling and assessment techniques. In addition, the student will be able to describe and critically evaluate green processes and benign chemical technology, as well as demonstrate his/her writing skills, team working ability and presentation skills. (Total notional time: 240 hours)

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THEORY OF ENVIRONMENTAL RESEARCH (TER117V) CONTINUOUS ASSESSMENT

(Module custodian: Department of Environmental, Water and Earth Sciences)

The application of the key terms, rules, theories and techniques of research in the field of environmental science. Upon completion, the student will be able to recognise and use the major tools used for research and writing skills. In addition, the student will demonstrate his/her writing skills, team working ability and presentation skills. (Total notional time: 240 hours)