

## POSTGRADUATE DIPLOMA IN INFORMATICS

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

Qualification code: PDIF21

SAQA ID: 111841, CHE NUMBER: H/H16/E174CAN

Campus where offered:

Soshanguve South Campus

### REMARKS

a. *Admission requirement(s):*

An Advanced Diploma in Informatics, **or** a Baccalaureus Technologiae: Information Technology in the field of Business Applications or Knowledge Management or Information Management or Business Information Systems, **or** a Bachelor's degree in Informatics or in Information Systems, **or** an equivalent specialisation qualification at NQF Level 7 with a minimum of 120 credits. Preference will be given to candidates who obtained an average of 60% 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. Candidates are evaluated based on the previous qualification obtained 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:*

Day classes offered on Saturdays over a period of two years.

f. *Duration:*

A minimum of one or two years (depending on the programme offering).

g. *Exclusion and readmission:*

See Chapter 2 of Students' Rules and Regulations.

h. *Re-registration:*

A student may re-register for the module Advanced 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.

i. *Personal equipment:*

Access to a laptop or desktop computer is essential to participate in multimodal learning experiences as well as to complete assignments and projects. NSFAS students receive an allowance to acquire a laptop, and using this allowance for this purpose is critical for academic success. Students are encouraged to consult the faculty website where the minimum requirements for specific programmes are published.



## CURRICULUM

Modules are offered as determined by the Head of the Department.

### ATTENDANCE 2022

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
ARP108G	Advanced Research Project	(8)	(24)	Research Methodology
ARP118R	Advanced Research Project (re-registration) (first-semester module, see Paragraph h)	(8)	(0)	

### FIRST SEMESTER

BAA118G	Advanced Business Analysis and Application (if not already passed)	(8)	(24)	
ITP118G	Advanced IT Project Management (if not already passed)	(8)	(24)	

TOTAL CREDITS FOR THE YEAR: 24

### ATTENDANCE 2023

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
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### FIRST SEMESTER

BAA118G	Advanced Business Analysis and Application	(8)	(24)	
ITP118G	Advanced IT Project Management	(8)	(24)	

### SECOND SEMESTER

KWM118G	Advanced Knowledge Management	(8)	(24)	
RIF118G	Research Methodology	(8)	(24)	

TOTAL CREDITS FOR THE YEAR: 96

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 BUSINESS ANALYSIS AND APPLICATION (BAA118G)

1 X 3-HOUR PAPER

*(Module custodian: Department of Informatics)*

The student will be able to apply his/her knowledge of SDLC and advanced systems analysis techniques to initiate, plan, design, and deploy information systems solutions within an organisation and be able to adapt to best practices in relation to information systems projects. (Total notional time: 240 hours)



**ADVANCED IT PROJECT MANAGEMENT (ITP118G)****1 X 3-HOUR PAPER*****(Module custodian: Department of Informatics)***

This module prepares the student to apply advanced project management principles in an Information Systems environment. It is aligned with the PMBOK and the standard for Portfolio Management guide. (Total notional time: 240 hours)

**ADVANCED KNOWLEDGE MANAGEMENT (KWM118G)****1 X 3-HOUR PAPER*****(Module custodian: Department of Informatics)***

The student will be able to apply his/her knowledge of Knowledge Management (KM) in the different management disciplines throughout the various functional enterprise environments, apply the different organisational theories and the management of intellectual capital. Upon completion of the module, the student will be able to apply, explain, design, and deploy advanced KM solutions within an organisation. (Total notional time: 240 hours)

**ADVANCED RESEARCH PROJECT (ARP108G, ARP118R)****PROJECT ASSESSMENT*****(Module custodian: Department of Informatics)***

Upon completion of the module, the student will know a research paradigms, the difference between positivist, non-positivist (interpretivist) and Design Science research approaches, describe and explain reasons for the choice of these approaches in any research project, but also for a particular proposed research project, and be able to design a research plan including research methods, data collection instruments and data analysis aligned with the chosen research approach. (Total notional time: 240 hours)

**R****RESEARCH METHODOLOGY (RIF118G)****CONTINUOUS ASSESSMENT*****(Module custodian: Department of Informatics)***

The student will understand, select and apply research methodologies, paradigms and techniques to Information Technology research projects. The student will be able to apply his/her knowledge of the most common Information Systems (IS) research strategies and techniques. (Total notional time: 240 hours)

