

# NATIONAL DIPLOMA: FINANCIAL INFORMATION SYSTEMS

## Qualification code: NDFI07 - NQF Level 6

Campus where offered: Ga-Rankuwa and Mbombela campuses

### Important notification to new applicants:

Students who intend to enrol for this qualification for the first time in 2017 or thereafter, should note that it will not be possible to continue with any Baccalaureus Technologiae as from 2020, since it is being replaced by qualifications aligned with the newly-implemented Higher Education Qualification Sub-Framework. Potential students are advised to consult the University's website for any new qualifications which might not be published in this Prospectus.

### REMARKS

- a. *Admission requirement(s):*  
A National Higher Certificate: Financial Information Systems or an equivalent qualification. A student who is still busy with the National Higher Certificate: Financial Information Systems may, at the discretion of the Head of the Department, be allowed to study for the National Diploma, subject to having passed 80% of his or her subjects at the National Higher Certificate level.
- b. *Selection criteria:*  
All applications are subject to selection.
- c. *Minimum duration:*  
One year.
- d. *Presentation:*  
Day classes.
- e. *Intake for the qualification:*  
January and July.
- f. *Exclusion and readmission:*  
See Chapter 2 of Students' Rules and Regulations.
- g. *Recognition of Prior Learning (RPL), equivalence and status:*  
See Chapter 30 of Students' Rules and Regulations.
- h. *Subject credits:*  
Subject credits are shown in brackets after each subject.

### CURRICULUM

#### FIRST SEMESTER

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
EKM101T	E-Commerce	(0,100)	
FAC31AT	Financial Accounting IIIA	(0,100)	Financial Accounting IIA Financial Accounting IIB
FIS30AT	Financial Information Systems IIIA	(0,100)	Financial Information Systems IIA Financial Information Systems IIB
MGA30AT	Management Accounting IIIA	(0,100)	Cost Accounting IIA Cost Accounting IIB
SFW20AT	Software Skills IIA	(0,100)	Software Skills IA Software Skills IB
TOTAL CREDITS FOR THE SEMESTER:		0,500	



## SECOND SEMESTER

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
FAC31BT	Financial Accounting IIIB	(0,100)	Financial Accounting IIA Financial Accounting IIB
FIS30BT	Financial Information Systems IIIB	(0,100)	Financial Information Systems IIA Financial Information Systems IIB
KPS201T	Corporate Procedures II	(0,100)	
MGA30BT	Management Accounting IIIB	(0,100)	Cost Accounting IIA Cost Accounting IIB
SFW20BT	Software Skills IIB	(0,100)	Software Skills IIA
TOTAL CREDITS FOR THE SEMESTER:		0,500	
TOTAL CREDITS FOR THE QUALIFICATION:		<b>1,000</b>	

### SUBJECT 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. On 24 August 2017, the syllabus content was defined as follows:

#### C

##### **CORPORATE PROCEDURES II (KPS201T)** *(Subject custodian: Department of Law)*

**1 X 3-HOUR PAPER**

The principles of corporate personality and limited liability. Forms of business formations. Types of companies. Establishing a company. Company groupings. The share capital and company's purchase of its own shares. Shares, members and shareholders. Public offers and issuing of shares. Division of corporate functions. Corporate directorships. Business rescue and compromise. Protection of minority rights. Re-organisation, arrangements, mergers, amalgamation and take-overs. The JSE listing requirements. Financial statements of companies. General principles of meetings. Preparation for and notice of company meetings. The convening of annual and other general meetings of companies. The procedure at general meetings of companies. Corporate reporting. The board and committee meetings. Types of committees and their functions. (Total tuition time: ± 46 hours)

#### E

##### **E-COMMERCE (EKM101T)** *(Subject custodian: Department of Informatics)*

**1 X 3-HOUR PAPER**

Students acquire a thorough understanding of the major issues associated with the development of e-commerce solutions and applications, particularly in relation to both the business and commercial considerations and the technical requirements. (Total tuition time: not available)

#### F

##### **FINANCIAL ACCOUNTING IIIA (FAC31AT)** *(Subject custodian: Department of Accounting)*

**1 X 3-HOUR PAPER**

Financial company statements that meet the stipulations of Annexure 4 of the Companies Act, 2008 (Act No. 71 of 2008), as well as Generally Accepted Accounting Practice and IFRS standards. The most important accounting principles issued by the South African Institute of Chartered Accountants. Financial statements that meet the requirements of the Close Corporations Act, as well as Generally Accepted Accounting Practice. (Total tuition time: ± 60 hours)



**FINANCIAL ACCOUNTING IIIB (FAC31BT)****1 X 3-HOUR PAPER****(Subject custodian: Department of Accounting)**

Analyses and interpretation of financial statements, with the emphasis on liquidity, asset management, debt management and the profitability of businesses. Recording and disclosure of minority and majority interests in companies and group financial statements, as required by section 289 and Annexure 4 of the Companies Act, 2008 (Act No. 71 of 2008). (Total tuition time: ± 60 hours)

**FINANCIAL INFORMATION SYSTEMS IIIA (FIS30AT)****1 X 3-HOUR PAPER AND PRACTICAL EXAMINATION****(Subject custodian: Department of Computer Science)**

The purpose of this subject is to provide the knowledge and practical skills needed to develop and present a computerised design of the system that students plan and analyse, using a system design and development methodology. This subject covers system analysis and design, following an object-orientated approach. A model-driven approach is adopted, starting with use cases and scenarios followed by defining problems domains classes through to detailed design models. The students will gain in-depth knowledge of OO software design and design patterns compliant with UML 2.0 modelling standards supported by the Unified Process as a systems development methodology covering the entire Unified Process Life Cycle (UPLC). (Total tuition time: not available)

**FINANCIAL INFORMATION SYSTEMS IIIB (FIS30BT)****1 X 3-HOUR PAPER****(Subject custodian: Department of Computer Science)**

Students are introduced to concepts of project management in an ICT environment. Topics that are covered include project life cycle, project process groups and project management knowledge areas, which include risk, time, cost, and scope management. A student is expected to have knowledge of systems analysis and design in the IT field. On completion, students are expected to be competent in project selection, project scheduling using Gantt/PERT charts, project cost estimation and project risk analysis. (Total tuition time: ± 59 hours)

**M****MANAGEMENT ACCOUNTING IIIA (MGA30AT)****1 X 3-HOUR PAPER****(Subject custodian: Department of Managerial Accounting and Finance)**

Appropriate management accounting techniques and their application in the modern business environment. Activity-based costing, budgeting, standard costing, back-flush costing and performance measurement. (Total tuition time: ± 64 hours)

**MANAGEMENT ACCOUNTING IIIB (MGA30BT)****1 X 3-HOUR PAPER****(Subject custodian: Department of Managerial Accounting and Finance)**

Appropriate management accounting techniques and their application in the modern business environment. Cost behaviour and learning curves, cost-volume-profit analysis, relevant cost for decision-making and capital budgeting. (Total tuition time: ± 64 hours)

**S****SOFTWARE SKILLS IIA (SFW20AT)****1 X 4-HOUR COMPUTER-BASED****(Subject custodian: Department of Computer Science)**

This subject introduces students to Oracle and SQL. It includes standard queries, joins, functions, subqueries, report writing, creation of tables and views, data manipulation using the Oracle courseware and the Oracle software. Students also learn how to create and maintain database objects and how to store, retrieve and manipulate data. (Total tuition time: ± 59 hours)

**SOFTWARE SKILLS IIB (SFW20BT)****1 X 4-HOUR COMPUTER-BASED****(Subject custodian: Department of Computer Science)**

This subject introduces students to PL/SQL programming blocks or program units in the Oracle environment. It includes the development of efficient PL/SQL programs to access Oracle databases, and the creation of stored procedures and functions for maximum reuse and easy code maintenance using the Oracle courseware and the Oracle software. Students will need knowledge of Oracle and SQL for this subject. (Total tuition time: ± 59 hours)

