

UFS FORM 5: SHORT LEARNING PROGRAMME

SECTION A: CATALOGUE

CODE: HEQC/HO6/SCI/SPIFM (Credit-bearing SLP)

TITLE: Introduction to Facilities Management

QUALIFICATION TITLE: B.Sc. Learning area Quantity Surveying
B.Sc. Learning area Construction Management

NQF LEVEL: 5

CREDITS: 80

NOTIONAL LEARNING HOURS: 800

FORMAL CONTACT TIME: This is an open-learning programme and will have three contact sessions of two days each in the format of workshops and lectures = 48 hours

LEARNING ASSUMED TO BE IN PLACE:

- Full Matriculation endorsement. Mathematics in higher grade with at least a F symbol or standard grade with at least a D symbol for 2008
- Evidence of relevant prior learning may also be considered
- The general regulations of the University of the Free State will also be applicable

LEARNING OUTCOMES:

After successful completion of the short learning programme the learners should be able to:

- understand the basic principles of construction as well as the purpose of documentation procedures and method of tender/contract procurement
- understand the composition and construction of projects through dissecting, specification, quantification and composition of process items in terms of the element- and component level, item-defining with regard to small-, medium- and complex constructions and be able to basically execute the function
- understand the basic principles of construction and design
- specify the basic materials for a single story building
- interpret the consumer requirements in terms of construction and economy
- make recommendations with regard to the use of different building materials
- draw basic construction plans with construction details
- understand the fundamental principles of building costs, prices, planning and control
- understand the diverse nature and structure of the built environment and the processes that are applied in the procurement of the products of construction and development
- describe the roles played by the multitude of professional practitioners, contractors and other support structures
- identify the various procurement options available and the contractual arrangements in support thereof
- understand the practice of facilities management
- apply scientific management principles

- apply various management tasks with a facilities management orientation

BRIEF DESCRIPTION OF CONTENT:

The following units will be offered to achieve the stated learning outcomes:

Descriptive Quantification	(Equivalent to module DQF104:16);
Building Economics	(Equivalent to module COE104:16);
Structure of the Built Environment	(SBE102:8);
Facilities Management	(FAM110:40)

Full curriculum is attached.

CRITICAL OUTCOMES SUPPORTED BY SHORT LEARNING PROGRAMME:

Learners will be able to:

- Identify and solve problems within the field of Facilities Management using critical and creative thinking
- Work effectively with others as members of a team, a group, an organisation and a community
- Organise and manage themselves and their activities responsibly and effectively e.g. by collecting, analysing, organizing and critically evaluating information
- Communicate effectively using visual, symbolic and/or language skills in various modes
- Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation

METHODS OF ASSESSMENT:

The following methods of assessment will be applied:

- Formative assessment: Facilitator continuous assessment through submission of assignments and tests.
- Summative assessment: A final examination of three hours will be written at the end of the unit

ASSESSMENT CRITERIA:

This part refers to assessment criteria in respect of the specific learning outcome of the course that has been described. These statements set the guidelines for developing the following assessment tasks:

- Apply the basic principles of construction as well as the purpose of documentation procedures and method of tender/contract procurement
- Understand the composition and construction of projects through dissecting, specification, quantification and composition of process items in terms of the element- and component level, item-defining with regard to small-, medium- and complex constructions and be able to basically execute the function
- Apply and understand the basic principles of construction and design
- Specify the basic materials for a single story building
- Provide evidence of consumer requirements in terms of construction and economy
- Make recommendations with regard to the use of different building materials
- Draw basic construction plans with construction details
- Demonstrate skills of the fundamental principles of building costs, prices, planning and control

- Understand the diverse nature and structure of the built environment and the processes that are applied in the procurement of the products of construction and development
- Describe the roles played by the multitude of professional practitioners, contractors and other support structures
- Identify the various procurement options available and the contractual arrangements in support thereof
- Understand the practice of facilities management
- Apply scientific management principles
- Apply various management tasks with a facilities management orientation

ORGANISED FIELD: 12

(1 = Agriculture and Nature Conservation)

(2 = Culture and Arts)

(3 = Business, Commerce and Management Studies)

(4 = Communication Studies and Language)

(5 = Education, Training and Development)

(6 = Manufacturing, Engineering and Technology)

(7 = Human and Social Studies)

(8 = Law, Military Science and Security)

(9 = Health Sciences and Social Services)

(10 = Physical, Mathematical, Computer and Life Sciences)

(11 = Services)

(12 = Physical Planning and Construction)

APPROVAL DATE: November 2007

REVIEW DATE: 2009

DEPARTMENTAL OR PROGRAMME “HOME”

Department of Quantity Surveying and Construction Management. This programme is financially self-sustainable.

DEVELOPER/CO-ORDINATOR:

Prof AC Hauptfleisch

eldec@iafrica.com

+27 (0)12 – 808 3360

Prof JJP Verster

versterj.sci@ufs.ac.za

+27 (0)51 – 401 3322