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CONTENTS • INHOUD

No.

Page
No. Gazette
No.**GOVERNMENT NOTICES****South African Qualifications Authority***Government Notices*

1216	National Standards Bodies Regulations: Standards Generating Body (SGB) for Manufacturing and Assembly Processes	3	32822
1217	do.: Task Team for Public Prosecuting	17	32822
1218	do.: Task Team for Human Trafficking	35	32822
1219	do.: Task Team for Occupational Health and Safety	40	32822
1220	do.: Task Team for Medical Technology	56	32822

GOVERNMENT NOTICES

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

No. 1216

21 December 2009



SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Manufacturing and Assembly Processess

registered by Organising Field 06 – Manufacturing, Engineering and Technology, publishes the following Qualification and Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification and Unit Standards. The full Qualification and Unit Standards can be accessed via the SAQA web-site at www.saqqa.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification and Unit Standards should reach SAQA at the address below and **no later than 29 January 2010**. All correspondence should be marked **Standards Setting – SGB for Manufacturing and Assembly Processess** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. E. Brown

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: ebrown@saqa.org.za



D. MPHUTHING
ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION: *National Certificate: Small Craft Construction*

SAQA QUAL ID		QUALIFICATION TITLE	
77003		National Certificate: Small Craft Construction	
ORIGINATOR		PROVIDER	
SGB Manufacturing and Assembly Processes			
QUALIFICATION TYPE	FIELD	SUBFIELD	
National Certificate	6 - Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	140	Level 2	Regular-Unit Stds Based

This qualification replaces:

Qual ID	Qualification Title	NQF Level	Min Credits	Replacement Status
50542	National Certificate: Small Craft Construction	Level 2	156	Will occur as soon as 77003 is registered

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

The purpose of this qualification is to prepare qualifying learners for a career in boatbuilding, to provide an opportunity for people currently employed in the industry to achieve formal recognition for their accumulated knowledge and skills and to enable them to develop a structured career path, and to facilitate the economic growth and development of the South African boatbuilding industry.

Qualifying learners will have developed basic boatbuilding skills, knowledge and understanding, which include:

- Demonstrating an understanding of the boatbuilding environment, including a broad understanding of different boatbuilding techniques and their applicability to the different materials commonly used for boatbuilding.
- Demonstrating a practical understanding of workshop safety.
- Selecting and safely operating the appropriate basic hand and power tools commonly used in boatbuilding.
- Operating basic power machinery used in woodworking applications in boatbuilding.
- Demonstrating a basic understanding of composite materials with specific reference to boatbuilding applications.
- Demonstrating knowledge of basic laminating skills.

Boatbuilding, or small craft construction, can be differentiated from most other trades by the extremely wide range of core competencies that are required by the technically competent practitioner. A high level of skill and understanding are necessary in activities as diverse as joinery, metalwork, composites fabrication, and electrical, mechanical and plumbing installation for the professional boatbuilder.

The Core component covers competencies related to small craft construction practices, health, safety and environmental issues, tools and equipment, manufacturing processes and materials. The unit standards provide the knowledge, values and skills that all learners require in order to engage in small craft construction practices.

Rationale:

The National Certificate: Small Craft Construction NQF Level 2 is the first qualification in the learning pathway in the Small Craft Construction sector that culminate in the Further Education and Training Certificate: Small Craft Construction or the National Certificate: Small Craft Boat and Yacht Design Technology.

This qualification reflects the need and demand within the small craft construction sector for skilled employees. Successful learners will be able to manufacture world-class products, improve professionalism and enhance the general quality of service delivery in the industry, thereby contributing positively to investor confidence and the international competitiveness of the South African small craft construction sector.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED IN PLACE

It is assumed that learners are already competent in:

- Communication and Mathematical Literacy at NQF Level 1 or equivalent.

Recognition of Prior Learning:

The structure of this unit standards-based qualification makes the Recognition of Prior Learning possible. This qualification may therefore be achieved in part or completely through the Recognition of Prior Learning, which includes formal, informal and non-formal learning and work experience. The learner should be thoroughly briefed on the mechanism to be used and support and guidance should be provided. Care should be taken that the mechanism used provides the learner with an opportunity to demonstrate competence and is not so onerous as to prevent learners from taking up the Recognition of Prior Learning option towards gaining a qualification.

If the learner is able to demonstrate competence in the knowledge, skills, values and attitudes implicit in this qualification the appropriate credits should be assigned to the learner. Recognition of Prior Learning will be done by means of Integrated Assessment as mentioned above.

This Recognition of Prior Learning may allow:

- Gaining of credits towards a unit standard.
- Obtaining of this Qualification in part or in whole.

Access to the Qualification:

Access is open for learners whose mobility on a boat will not be restricted due to any disabilities, as most training will take place on and in a small craft.

QUALIFICATION RULES

The Qualification is made up of Fundamental, Core, and Elective unit standards and a minimum of 140 credits is required to complete the Qualification.

In this Qualification the credits are allocated as follows:

- Fundamental: 36 credits.
- Core: 94 credits.
- Electives: 10 credits (minimum).
- Total: 140 credits.

EXIT LEVEL OUTCOMES

Qualifying learners are able to:

1. Demonstrate an understanding of the boatbuilding environment, including a broad understanding of different boatbuilding techniques and their applicability to the different materials commonly used for boatbuilding.
2. Demonstrate a practical understanding of workshop safety.
3. Select and safely operate the appropriate basic hand and power tools commonly used in boatbuilding.
4. Operate basic power machinery used in woodworking applications in boatbuilding.
5. Demonstrate a basic understanding of composite materials with specific reference to boatbuilding applications.
6. Demonstrate knowledge of basic laminating skills.

Critical Cross-Field Outcomes:

The Critical Cross Field Outcomes are handled in detail in the individual unit standards.

ASSOCIATED ASSESSMENT CRITERIA

Associated Assessment Criteria for Exit Level Outcome 1:

- Different types of small craft are identified and described using their specific distinguishing characteristics.
- The main parts of a boat are identified and described focusing on the basic functions in the boat.
- Different boatbuilding techniques are described and a description given of their applicability to the major boatbuilding materials.

Associated Assessment Criteria for Exit Level Outcome 2:

- The work area is kept in a safe and productive state through the application of appropriate safety standards.
- Personal protective equipment is used appropriately and correctly.

Associated Assessment Criteria for Exit Level Outcome 3:

- Tools are used correctly and in accordance with relevant safety requirements.
- Basic hand and power tools used in boatbuilding are identified and their specific uses described with specific reference to boatbuilding applications.

Associated Assessment Criteria for Exit Level Outcome 4:

- Basic power machinery used in boatbuilding is identified, and a description given of its primary function in the operation.

- Basic power machinery is set up, operated and maintained according to manufacturer's specifications and in accordance with health and safety regulations.
- Appropriate health and safety procedures are discussed and implemented in the operation of machinery.

Associated Assessment Criteria for Exit Level Outcome 5:

- Different types of reinforcement material are identified and described focussing on their main properties and uses.
- Different types of matrix material are identified and described focussing on their main properties and uses.
- Different types of core material are identified and described focussing on their main properties and uses.

Associated Assessment Criteria for Exit Level Outcome 6:

- Resins are correctly measured and mixed for specific operations.
- Reinforcements are selected, prepared and positioned correctly.
- Basic hand-laminating techniques are performed according to organisational procedures and job specifications.

Integrated Assessment:

- Assessment practices must be open, transparent, fair, valid, and reliable and ensure that no learner is disadvantaged in any way whatsoever, so that an integrated approach to assessment is incorporated into the qualification.
- Learning, teaching and assessment are inextricably interwoven. Whenever possible, the assessment of knowledge, skills, attitudes and values shown in the unit standards should be integrated.
- Assessment of Communication and Mathematical Literacy should be integrated as far as possible with other aspects and should use practical administration contexts wherever possible. A variety of methods must be used in assessment and tools and activities must be appropriate to the context in which the learner is working or will work. Where it is not possible to assess the learner in the workplace or on-the-job, simulations, case studies, role-plays and other similar techniques should be used to provide a context appropriate to the assessment.
- The term Integrated Assessment implies that theoretical and practical components should be assessed together. During integrated assessments, the assessor should make use of a range of formative and summative assessment tool methods and assess combinations of practical, applied, foundational and reflective competencies.
- Assessors must assess and give credit for the evidence of learning that has already been acquired through formal, informal and non-formal learning and work experience.
- Assessment should ensure that all specific outcomes, embedded knowledge and critical cross-field outcomes are evaluated in an integrated manner.

INTERNATIONAL COMPARABILITY

This qualification was compared with training offered in countries that are acknowledged leaders in the small boat-building industry and countries whose industry supplies small craft to others. These countries are:

- USA.
- Malaysia.
- Turkey.
- Australia.
- New Zealand.
- UK.

United States of America:

The American Boat and Yacht Council (ABYC) have a well developed professional certification process for the majority of core boatbuilding skills. This qualification focuses on the same core knowledge and skills, and the successful student should be well prepared for ABYC certification.

Malaysia:

Malaysia is an emerging boat building country. To date they have not developed a formal national qualification. They have however identified future training objectives and are in the process of developing learning programmes for fibreglass boats.

Turkey:

The boating industry in Turkey is well developed. A technical high school, Kurucasile, on the Black Sea Coast of Turkey, is devoted to boatbuilding only. This school, teaches its students, in addition to modern techniques, elements and principles of traditional craftsmanship as well. There are a number of other schools issue valid diplomas and certificates in small craft building. These courses contain the same competencies as are found in this qualification.

Australia:

Australia has a well-established boat-building industry supported by well-defined units of study to be applied by training providers. Their learning programs in boat building do not seem to follow levels of complexity but rather that of completeness. It is very difficult to compare the South African individual boat building qualifications with those in Australia. However, it seems that once South African learners had completed the Further Education and Training Certificate: Boat Building, they will be adequately equipped to compete with their Australian counterparts.

New Zealand:

The New Zealand authorities compiled a range of national certificates that can be applied in the boat building industry. Most of these certificates are at Level 4 with the exception of one that is registered at Level 3. In general the contents of the South African boat building qualifications compares well with the New Zealand boat building qualifications.

United Kingdom:

The United Kingdom is renowned for their boat building expertise and similarly displays a well-thought-out capability to train towards that expertise. The UK has several national registered qualifications, however, this South African boat building qualification is much more comprehensive.

Africa in General:

Although many countries in Africa have displayed the capability to build boats of many shapes and sizes it still lacks the capability to build modern boats. No evidence was found of any boat building training being presented in sub-Saharan Africa. The South African qualifications could help to fill that gap on the continent by making these qualifications available to all those countries that might show an interest in these qualifications.

ARTICULATION OPTIONS

This Qualification articulates with the following proposed and registered Qualifications:

Horizontal Articulation:

- ID 36154: National Certificate: Polymer Composite Fabrication, NQF Level 2.
- ID 49091: National Certificate: Furniture Making: Wood, NQF Level 2.

Vertical Articulation:

- ID 50543: National Certificate: Small Craft Construction, NQF Level 3.
- ID 36155: National Certificate: Polymer Composite Fabrication, NQF Level 3.
- ID 49105: National Certificate: Furniture Making: Wood, NQF Level 3.
- ID 22670: National Certificate: Construction Carpentry, NQF Level 3.

MODERATION OPTIONS

- Anyone assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with an appropriate Education and Training Quality Assurance Body (ETQA) or with an ETQA that has a Memorandum of Understanding with the relevant ETQA.
- Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA or with an ETQA that has a Memorandum of Understanding with the relevant ETQA.
- Moderation of assessment will be overseen by the relevant ETQA or by an ETQA that has a Memorandum of Understanding with the relevant ETQA, according to the ETQA's policies and guidelines for assessment and moderation.
- Moderation must include both internal and external moderation of assessments at exit points of the Qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence described both in individual Unit Standards as well as in the exit level outcomes described in the Qualification.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

Criteria for the Registration of Assessors:

For an applicant to register as an assessor, the applicant needs:

- To be registered as an assessor with the relevant Education and Training Quality Assurance Body.
- A relevant qualification at one level higher than the level of the qualification and 12 months experience in the relevant field.
- Well-developed subject matter expertise within small craft construction.

NOTES

This qualification replaces qualification 50542, "National Certificate: Small Craft Construction", Level 2, 156 credits.

UNIT STANDARDS

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Fundamental	119463	Access and use information from texts	Level 2	5
Fundamental	9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	Level 2	3
Fundamental	7480	Demonstrate understanding of rational and irrational numbers and number systems	Level 2	3
Fundamental	9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	Level 2	3
Fundamental	119454	Maintain and adapt oral/signed communication	Level 2	5

Source: National Learners' Records Database

Qualification 77003

09/12/2009

Page 6

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Fundamental	119460	Use language and communication in occupational learning programmes	Level 2	5
Fundamental	7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	Level 2	2
Fundamental	9007	Work with a range of patterns and functions and solve problems	Level 2	5
Fundamental	119456	Write/present for a defined context	Level 2	5
Core	365144	Apply health and safety in a boatyard construction environment	Level 2	5
Core	365159	Apply knowledge of marine joinery in boatbuilding	Level 2	30
Core	365147	Apply lamination in boat building	Level 2	15
Core	365143	Construct an inflatable boat	Level 2	5
Core	365145	Demonstrate an understanding of corrosion and basic metalwork in boat building	Level 2	10
Core	365146	Design a scale model of a hull form boat	Level 2	20
Core	9268	Manage basic personal finance	Level 2	6
Core	12463	Understand and deal with HIV/AIDS	Level 2	3
Elective	123600	Demonstrate seamanship for the safe crewing of a small craft	Level 2	10
Elective	12465	Develop a learning plan and a portfolio for assessment	Level 2	6
Elective	12484	Perform basic fire fighting	Level 2	4
Elective	12483	Perform basic first aid	Level 2	4
Elective	119753	Perform basic welding/joining of metals	Level 2	8
Elective	12481	Sling loads	Level 2	4

LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Construct an inflatable boat

SAQA US ID	UNIT STANDARD TITLE		
365143	Construct an inflatable boat		
ORIGINATOR		PROVIDER	
SGB Manufacturing and Assembly Processes			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Engineering and Related Design		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	5

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of the relevant national and international standards as they apply to the design and construction of rigid inflatable boats.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the properties of the different materials and adhesives used in the construction of inflatable boats.

SPECIFIC OUTCOME 3

Describe the specific advantages and disadvantages of different material and adhesive types with reference to their use in the manufacture of inflatable boats.

SPECIFIC OUTCOME 4

Describe design features that are unique to inflatable boats.

SPECIFIC OUTCOME 5

Describe and explain different methods of joining rigid and inflatable parts.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

ID	QUALIFICATION TITLE	LEVEL
Core 77003	National Certificate: Small Craft Construction	Level 2



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Apply health and safety in a boatyard construction environment

SAQA US ID	UNIT STANDARD TITLE		
365144	Apply health and safety in a boatyard construction environment		
ORIGINATOR	PROVIDER		
SGB Manufacturing and Assembly Processes			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Manufacturing and Assembly		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	5

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of the need to spot hazards and reduce risks in the workplace.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the proper use of personal protective equipment (PPE), and the role of personal hygiene in maintaining good health.

SPECIFIC OUTCOME 3

Adhere to safety procedures to observe when lifting heavy loads and working with overhead cranes.

SPECIFIC OUTCOME 4

Demonstrate an understanding of the dangers of working in enclosed spaces.

SPECIFIC OUTCOME 5

Demonstrate an understanding of fall prevention measures to be taken.

SPECIFIC OUTCOME 6

Demonstrate an understanding of the risks and hazards associated with sea trials and deliveries.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

ID	QUALIFICATION TITLE	LEVEL
Core 77003	National Certificate: Small Craft Construction	Level 2



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate an understanding of corrosion and basic metalwork in boat building

SAQA US ID	UNIT STANDARD TITLE		
365145	Demonstrate an understanding of corrosion and basic metalwork in boat building		
ORIGINATOR		PROVIDER	
SGB Manufacturing and Assembly Processes			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Engineering and Related Design	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	10

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of basic corrosion processes.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the significance of the 'galvanic series' of metals in sea water.

SPECIFIC OUTCOME 3

Demonstrate an understanding of methods of controlling and preventing corrosion.

SPECIFIC OUTCOME 4

Demonstrate an understanding of the main potential corrosion threats to the boat owner, and the standards that exist regarding manufacturing and installation of boats and components that protect against or prevent corrosion.

SPECIFIC OUTCOME 5

Demonstrate competence in the safe and correct use of basic hand and power tools in the marking, cutting, drilling, shaping and mounting of metallic components.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

	ID	QUALIFICATION TITLE	LEVEL
Core	77003	National Certificate: Small Craft Construction	Level 2



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Design a scale model of a hull form boat

SAQA US ID		UNIT STANDARD TITLE	
365146		Design a scale model of a hull form boat	
ORIGINATOR		PROVIDER	
SGB Manufacturing and Assembly Processes			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Manufacturing and Assembly	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	20

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of the terminology associated with small craft design and construction.

SPECIFIC OUTCOME 2

Describe the most common materials and methods used in small craft construction and discuss their applications and limitations.

SPECIFIC OUTCOME 3

Identify and describe common hull forms and discuss their main features and suitability for different applications.

SPECIFIC OUTCOME 4

Draw a lines plan and construct a scale model using one.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

	ID	QUALIFICATION TITLE	LEVEL
Core	77003	National Certificate: Small Craft Construction	Level 2



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Apply lamination in boat building***

SAQA US ID	UNIT STANDARD TITLE		
365147	Apply lamination in boat building		
ORIGINATOR	PROVIDER		
SGB Manufacturing and Assembly Processes			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Engineering and Related Design		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	15

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of the properties of the various resins and cloths that would be used in basic laminating activities.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the theory of how composites work.

SPECIFIC OUTCOME 3

Identify the various materials used, and describe their application in composite boatbuilding.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

	ID	QUALIFICATION TITLE	LEVEL
Core	77003	National Certificate: Small Craft Construction	Level 2



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Apply knowledge of marine joinery in boatbuilding

SAQA US ID	UNIT STANDARD TITLE		
365159	Apply knowledge of marine joinery in boatbuilding		
ORIGINATOR	PROVIDER		
SGB Manufacturing and Assembly Processes			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Manufacturing and Assembly		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	30

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of the properties and appropriate uses of wood, plywood and other manufactured boards commonly used in boatbuilding.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the properties and appropriate uses of different adhesives used in boatbuilding.

SPECIFIC OUTCOME 3

Demonstrate an understanding of the correct and appropriate use of the wide range of fasteners commonly used in boatbuilding.

SPECIFIC OUTCOME 4

Use measuring and marking equipment.

SPECIFIC OUTCOME 5

Choose and safely use basic hand and power tools commonly used in boatbuilding applications.

SPECIFIC OUTCOME 6

Create basic woodworking joints.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

ID	QUALIFICATION TITLE	LEVEL
Core 77003	National Certificate: Small Craft Construction	Level 2

No. 1217

21 December 2009

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the Regulations of 28 March 1998, the Task Team for

Public Prosecuting

registered by Organising Field 08 - Law, Military Science and Security, publishes the following Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purposes of the Unit Standards. The full Unit Standards can be accessed via the SAQA web-site at www.saqqa.org.za. Copies may also be obtained from the Directorate for Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Unit Standards should reach SAQA at the address ***below and no later than 29 January 2010***. All correspondence should be marked **Standards Setting – Task Team for Public Prosecuting** addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. E. Brown
Postnet Suite 248
Private Bag X06
Waterkloof
0145

or faxed to 012 – 431-5144
e-mail: ebrown@saqa.org.za


D. MPHUTHING**ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Apply the general principles of legal costs in the magistrate courts*

SAQA US ID	UNIT STANDARD TITLE		
365179	Apply the general principles of legal costs in the magistrate courts		
ORIGINATOR	PROVIDER		
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	3

New NQF Level: NQF Level 05

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Apply the general principles relating to costs.

SPECIFIC OUTCOME 2

Describe the different categories of cost awards.

SPECIFIC OUTCOME 3

Explain specific cost orders.

SPECIFIC OUTCOME 4

Indicate an understanding of the content of the Act and Rules of Court relating to Costs.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Tax bills of costs in the magistrates' court***

SAQA US ID		UNIT STANDARD TITLE	
365180		Tax bills of costs in the magistrates' court	
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	5

New NQF Level: NQF Level 05

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Understanding the nature, process and stages of taxation.

SPECIFIC OUTCOME 2

Describe certain aspects of cost on relation to taxation.

SPECIFIC OUTCOME 3

Understand counsel fees, correspondent and instructing attorneys, and review of taxation.

SPECIFIC OUTCOME 4

Understand the role of the taxing master and the ethics relating thereto.

SPECIFIC OUTCOME 5

Identify and selected portions of the Magistrate court Act, Rules and tariff relating to taxation.

SPECIFIC OUTCOME 6

Tax a bill of costs.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Apply court ethics and the etiquette for prosecutors in the National Prosecuting Authority (NPA)

SAQA US ID		UNIT STANDARD TITLE	
365181		Apply court ethics and the etiquette for prosecutors in the National Prosecuting Authority (NPA)	
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	4

New NQF Level: NQF Level 05

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Know and apply legislation, case law and directives relevant to criminal court proceedings.

SPECIFIC OUTCOME 2

Apply court etiquette relevant to criminal court proceedings.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Make an appointment in the estate of a person incapable of managing his or her own affairs

SAQA US ID	UNIT STANDARD TITLE		
365182	Make an appointment in the estate of a person incapable of managing his or her own affairs		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	5

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the role of the Master in authorising the administration of an estate of persons incapable of managing their own affairs.

SPECIFIC OUTCOME 2

Appoint a curator bonus or tutor in terms of common law.

SPECIFIC OUTCOME 3

Appoint a curator personae in terms of the common law.

SPECIFIC OUTCOME 4

Appoint an administrator in terms of the Mental Health Care Act.

SPECIFIC OUTCOME 5

Appoint a co-administrator in terms of the Mental Health Care Act.

SPECIFIC OUTCOME 6

Appoint a curator in terms of the Prevention of Organised Crime Act 121 of 1998, as amended.

SPECIFIC OUTCOME 7

Appoint a curator to the estate of an absent person.

SPECIFIC OUTCOME 8

Appoint a testamentary tutor or curator.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Consider default judgements in terms of Rule 12 of the Magistrates' Court Act 32 of 1944

SAQA US ID	UNIT STANDARD TITLE		
365184	Consider default judgements in terms of Rule 12 of the Magistrates' Court Act 32 of 1944		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	4

New NQF Level: NQF Level 05

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Apply the general principles relating to considering default judgement.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the procedure when applying for a default judgement.

SPECIFIC OUTCOME 3

Determine whether the specific requirements for the process of granting a judgement are met.

SPECIFIC OUTCOME 4

Consider a request for default judgement.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Apply the promotion of access to information Act 2 of 2000 in Public Bodies*

SAQA US ID	UNIT STANDARD TITLE		
365185	Apply the promotion of access to information Act 2 of 2000 in Public Bodies		
ORIGINATOR	PROVIDER		
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	5

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the context in which the Promotion of Access to Information Act 2 of 2000 is applied and how that context impacts on the application of the Act.

SPECIFIC OUTCOME 2

Explain the provisions of the Promotion of Access to Information Act 2 of 2000 and apply them to a given set of facts.

SPECIFIC OUTCOME 3

Apply the Promotion of Access to Information Act in practice.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Examine the account of a Tutor, Curator or Administrator*

SAQA US ID	UNIT STANDARD TITLE		
365186	Examine the account of a Tutor, Curator or Administrator		
ORIGINATOR	PROVIDER		
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	5

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Draw an account of a tutor or curator.

SPECIFIC OUTCOME 2

Examine the account of the tutor, curator or administrator.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Apply the master's supervision of the administration of an estate of a person incapable of managing his or her own affairs

SAQA US ID	UNIT STANDARD TITLE		
365187	Apply the master's supervision of the administration of an estate of a person incapable of managing his or her own affairs		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	10

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the role of the Master in authorising the administration of an estate of persons incapable of managing their own affairs.

SPECIFIC OUTCOME 2

Apply the Masters' power to regulate the functions of a tutor, curator bonis, administrator or natural guardian to a set of facts.

SPECIFIC OUTCOME 3

Register a caveat in appropriate cases.

SPECIFIC OUTCOME 4

Decide on an appropriate remedy when a tutor, curator bonus or administrator does not fulfil his or her duties and implement the decision.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Draft intermediate Legislation

SAQA US ID		UNIT STANDARD TITLE	
365188		Draft intermediate Legislation	
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	10

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Understand the drafting process.

SPECIFIC OUTCOME 2

Understand the amendment of legislation.

SPECIFIC OUTCOME 3

Understand the interpretation of legislation.

SPECIFIC OUTCOME 4

Understand subordinate legislation.

SPECIFIC OUTCOME 5

Draft a Bill.

SPECIFIC OUTCOME 6

Demonstrate a clear understanding of drafting instructions.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Examine a liquidation and distribution account in a deceased estate*

SAQA US ID		UNIT STANDARD TITLE	
365189		Examine a liquidation and distribution account in a deceased Estate	
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	10

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Determine and collect the information necessary to draw a liquidation and distribution account.

SPECIFIC OUTCOME 2

Draw a liquidation and distribution account.

SPECIFIC OUTCOME 3

Examine a liquidation and distribution account.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate an understanding of the legislative factors and principles of common law impacting on the application of Section 65 of the National Road Traffic Act 93 of 1996

SAQA US ID	UNIT STANDARD TITLE		
365190	Demonstrate an understanding of the legislative factors and principles of common law impacting on the application of Section 65 of the National Road Traffic Act 93 of 1996		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	10

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Understand the definitions contained in Section 1 of the National Road Traffic Act, Act 93 of 1996.

SPECIFIC OUTCOME 2

Understand the conditions related to suspension/cancellation of licences as laid out in Section 33, Section 34 and Section 35 of the National Road Traffic Act 93 of 1996.

SPECIFIC OUTCOME 3

Understand the conditions pertaining to prohibitions in respect of alcohol related offences as contained in Section 65 (1)-65 (9) of the National Road Traffic Act 93 of 1996.

SPECIFIC OUTCOME 4

Understand the Legislation and the findings of the South African Courts in relation to presumptions.

SPECIFIC OUTCOME 5

Evaluate and assess the available evidential material contained in a police docket and determine the admissibility thereof during court cases.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Make an appointment in a deceased estate

SAQA US ID	UNIT STANDARD TITLE		
365191	Make an appointment in a deceased estate		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	5

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the role of the Master in authorising the administration of a deceased estate.

SPECIFIC OUTCOME 2

Apply the rules regarding the jurisdiction of the Master in a deceased estate.

SPECIFIC OUTCOME 3

Deal with matters relating to wills when making an appointment in a deceased estate.

SPECIFIC OUTCOME 4

Deal with matters relating to intestate succession when making an appointment in a deceased estate.

SPECIFIC OUTCOME 5

Issue Letters of Authority in a deceased estate.

SPECIFIC OUTCOME 6

Issue Letters of Executorship in a deceased estate.

SPECIFIC OUTCOME 7

Endorse foreign Letters of Appointment in a deceased estate.

SPECIFIC OUTCOME 8

Deal with the transfer of shares in a foreign deceased estate.

SPECIFIC OUTCOME 9

Appoint an interim curator.

SPECIFIC OUTCOME 10

Appoint an assumed executor.

SPECIFIC OUTCOME 11

Remove an executor.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Apply the promotion of administrative justice Act, Act 3 of 2000*

SAQA US ID	UNIT STANDARD TITLE		
365199	Apply the promotion of administrative justice Act, Act 3 of 2000		
ORIGINATOR	PROVIDER		
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	10

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Show how the contexts in which administrative decisions are made impacts on the application of the promotion of administrative justice Act.

SPECIFIC OUTCOME 2

Analyse the provisions of the Promotion of Administrative Justice Act and apply it to a set of facts.

SPECIFIC OUTCOME 3

Apply the Promotion of Administrative Justice Act to a given case.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Apply the supervision role of the executor's administration of a deceased estate

SAQA US ID	UNIT STANDARD TITLE		
365219	Apply the supervision role of the executor's administration of a deceased estate		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD	SUBFIELD		
8 - Law, Military Science and Security	Justice in Society		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	6

New NQF Level: NQF Level 05

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the role of the Master as regulator of the administration of a deceased estate.

SPECIFIC OUTCOME 2

Apply the Masters' power to regulate the administration of deceased estates to a set of facts.

SPECIFIC OUTCOME 3

Decide on an appropriate remedy when an executor does not fulfil his or her duties.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Understand and apply the principles and rules relating to the admissibility and proof of the contents of relevant detrimental statements

SAQA US ID		UNIT STANDARD TITLE	
365220		Understand and apply the principles and rules relating to the admissibility and proof of the contents of relevant detrimental statements	
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	6

New NQF Level: NQF Level 05

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Know and understand how the privilege against self-incrimination, as enshrined in the Constitution of the Republic of South Africa impacts on a criminal trial.

SPECIFIC OUTCOME 2

Know and understand legislation and case law pertaining to the admissibility and proof of the contents of relevant detrimental statements made by an accused prior to a criminal trial.

SPECIFIC OUTCOME 3

Know and understand the rules of practice that apply during a criminal trial whenever the admissibility of a relevant detrimental statements made by an accused is placed in dispute.

SPECIFIC OUTCOME 4

Apply the relevant legislation, case law and rules of practice during a criminal trial where the admissibility of a relevant detrimental statements made by an accused is placed in dispute.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate a knowledge of the principles and methodology that underlie the drafting of legal documents

SAQA US ID	UNIT STANDARD TITLE		
365239	Demonstrate a knowledge of the principles and methodology that underlie the drafting of legal documents		
ORIGINATOR		PROVIDER	
Task Team - Public Prosecuting			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Justice in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	15

New NQF Level: NQF Level 06

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate a clear understanding of the Constitutional imperatives.

SPECIFIC OUTCOME 2

Demonstrate a clear understanding of Parliamentary and Legislature legislative processes.

SPECIFIC OUTCOME 3

Demonstrate a clear understanding of the development of legislation.

SPECIFIC OUTCOME 4

Demonstrate a clear understanding of the relevance of the Acts of general Application to legislative drafting.

SPECIFIC OUTCOME 5

Demonstrate a clear understanding of the structure of Bills.

SPECIFIC OUTCOME 6

Demonstrate a clear understanding of specific provisions of Bills.

SPECIFIC OUTCOME 7

Demonstrate a clear understanding of the different types of legislation.

SPECIFIC OUTCOME 8

Demonstrate a clear understanding of legislative style, punctuation and plain language drafting.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None

No. 1218

21 December 2009

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the Regulations of 28 March 1998, the Task Team for
Human Trafficking

registered by Organising Field 08 - Law, Military Science and Security, publishes the following Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purposes of the Unit Standards. The full Unit Standards can be accessed via the SAQA web-site at www.saqqa.org.za. Copies may also be obtained from the Directorate for Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Unit Standards should reach SAQA at the address ***below and no later than 29 January 2010***. All correspondence should be marked **Standards Setting – Task Team for Human Trafficking** addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. E. Brown

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: ebrown@saqa.org.za


D. MPHUTHING

ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Demonstrate an understanding of human trafficking and its legal implications***

SAQA US ID		UNIT STANDARD TITLE	
365139		Demonstrate an understanding of human trafficking and its legal implications	
ORIGINATOR		PROVIDER	
Task Team - Human Trafficking			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Safety in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	5

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate understanding of human rights and human trafficking as defined in the South African legislation and international protocols, treaties, resolutions and declarations.

SPECIFIC OUTCOME 2

Response strategies and approaches to human trafficking are analysed within the South African and international context.

SPECIFIC OUTCOME 3

Analyse the difference between human trafficking and smuggling.

SPECIFIC OUTCOME 4

Explain the roles and responsibilities of state organs and other supporting partners in counter human trafficking.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Implement counter human trafficking strategies in a psycho-social and health environment

SAQA US ID	UNIT STANDARD TITLE		
365140	Implement counter human trafficking strategies in a psycho-social and health environment		
ORIGINATOR		PROVIDER	
Task Team - Human Trafficking			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Safety in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 6	15

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate an understanding of the scope of the legal framework of human trafficking as applicable to own environment.

SPECIFIC OUTCOME 2

Apply techniques of identification, interviewing and assessment of trafficked persons as prescribed by your organisation/department.

SPECIFIC OUTCOME 3

Manage the provision of direct assistance and care to victims of trafficking.

SPECIFIC OUTCOME 4

Facilitate rehabilitation and reconstruction measures to execute recovery and reduce risk.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Demonstrate an understanding of conducting human trafficking official enquiries***

SAQA US ID	UNIT STANDARD TITLE		
365141	Demonstrate an understanding of conducting human trafficking official enquiries		
ORIGINATOR		PROVIDER	
Task Team - Human Trafficking			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Safety in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	6

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Investigate alleged human trafficking.

SPECIFIC OUTCOME 2

Conduct proactive intelligence-gathering in an international environment where co-operation and exchange of intelligence information is essential.

SPECIFIC OUTCOME 3

Demonstrate knowledge of case examination methods.

SPECIFIC OUTCOME 4

Analyse and motivate reasons for admitting victim in the protection unit.

SPECIFIC OUTCOME 5

Conduct an interview with a victim of human trafficking.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Apply human trafficking strategies within an immigration context***

SAQA US ID	UNIT STANDARD TITLE		
365142	Apply human trafficking strategies within an immigration context		
ORIGINATOR		PROVIDER	
Task Team - Human Trafficking			
FIELD		SUBFIELD	
8 - Law, Military Science and Security		Safety in Society	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	10

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Interpret and relate international and national human trafficking strategies and policies to the immigration environment.

SPECIFIC OUTCOME 2

Apply international and national legislation and policies related to human trafficking.

SPECIFIC OUTCOME 3

Identify and apply International agreements and Regional conventions on human trafficking to an immigration environment.

SPECIFIC OUTCOME 4

Implement and enforce international, regional and national legislation and policies related to human trafficking within an immigration environment.

SPECIFIC OUTCOME 5

Manage suspected and identified cases of human trafficking in a given scenario.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None

No. 1219

21 December 2009

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Task Team for

Occupational Health & Safety

registered by Organising Field 09 – Health Sciences and Social Services, publishes the following Qualification and Unit Standard for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification and Unit Standard. The full Qualification and Unit Standard can be accessed via the SAQA web-site at www.saqa.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification and Unit Standard should reach SAQA at the address below and **no later than 29 January 2010**. All correspondence should be marked **Standards Setting – Task Team for Occupational Health and Safety** and addressed to

The Director: Standards Setting and Development
SAQA

Attention: Mr. E. Brown

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: ebrown@saqa.org.za


D. MPHUTHING**ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:**National Certificate: Construction Health and Safety Management**

SAQA QUAL ID		QUALIFICATION TITLE	
77063		National Certificate: Construction Health and Safety Management	
ORIGINATOR		PROVIDER	
TT - Occupational Health & Safety			
QUALIFICATION TYPE	FIELD	SUBFIELD	
National Certificate	9 - Health Sciences and Social Services	Preventive Health	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	133	Level 3	Regular-Unit Stds Based

New NQF Level: NQF Level 03

This qualification does not replace any other qualification and is not replaced by another qualification.

PURPOSE AND RATIONALE OF THE QUALIFICATION**Purpose:**

Learners will be equipped to work in the construction industry with a broad understanding and knowledge of Occupational Health, Safety and Environmental legislation and controls. They will be able to deal with health and safety problems and issues on construction sites.

Qualifying learners will be able to responsibly, independently and effectively manage themselves on construction sites regarding generic health and safety issues. Learners will be able to identify and evaluate occupational safety, hygiene and environmental factors in occupational environments which may have a detrimental effect on the health and safety of people in such environments. Learners credited with this Qualification will be able to perform essential functions that promote a culture of health and safety on construction sites.

Learners credited with this qualification will be capable of:

- Using verbal, electronic and written modes to communicate in the workplace and apply mathematical processes to solve everyday numerical problems.
- Explaining the requirements of current, relevant legislation and accepted theories impacting on Health, Safety and Environmental issues in the construction environment.
- Recognising, assessing and reporting health and safety hazards and situations in the construction industry.
- Administering various functions required to ensure health and safety on construction sites.

Rationale:

Learners credited with this qualification are likely to be working mainly in the occupational safety discipline although interaction with the occupational health and environmental management disciplines is likely to take place. Learners are required to integrate practical skills with essential knowledge, to be able to take proactive and reactive measures in order to maintain a healthy and safe environment.

There is currently a shortage of qualified occupational health, safety and environmental practitioners with specific construction industry knowledge. Due to the dynamic nature of all construction projects as opposed to the more static nature of factories and mines, as well as the fact that construction sites pose hazards more orientated towards safety than health, or hygiene specifically, it was felt that greater emphasis should be placed on occupational safety content rather than occupational hygiene and environmental management. As the currently registered National Certificate: Occupational Safety and Hygiene, NQF Level 3 contains 44% credits from the core, focused on Occupational hygiene, this clearly did not suit the training requirements identified for the construction safety practitioner.

Occupational hygiene is the anticipation, recognition, evaluation and control of conditions arising in or from the workplace or occupation, which may cause illness or adverse health effects to the employee. These conditions, also referred to as occupational hygiene stress factors, are generally grouped as physical (such as noise, vibration, lighting, ventilation and others), chemical, ergonomical, biological and psychological stressors. The nature of the measurement and management of these also requires a very scientific and methodical approach, which is not generally applicable to construction project environments. The level of academic qualifications required to be able to perform occupational hygiene measurements and manage these are also much higher than the level three entry of this construction- specific qualification. This further supports the need for a more occupational safety orientated qualification at this level.

The need is for the qualifying learner to have knowledge and skills focussing on occupational safety. Where the learner then identifies a risk due to any of the occupational hygiene stressors, the services of an Occupational Hygiene Approved Inspection Authority, registered with the Department of Labour, who are the only people allowed to practice legally in occupational hygiene, would be called in.

The qualification of learners through this programme will increase the number of qualified practitioners available for construction sites.

Construction Health and Safety practitioners will contribute to providing safer construction sites in the Republic of South Africa.

According to figures of the Federated Employers Mutual Association which acts as the licensed Compensation agent for approximately 40% of the registered construction companies in South Africa, they have paid out R109,94m in the period from January 2009 to October 2009, and there are currently R126,74m of outstanding claims for the same period. This would indicate that the statistics for the other 60% of the construction industry would bring these figures to an astounding R591,7m in claims for the whole of the construction industry. Qualified practitioners will lead to a reduction in occupational related injuries and disease reducing the above compensation claims costs. Improved health and safety awareness will flow down to off-the-job attitudes improving due to more knowledge. Their contributions will improve environmental controls on sites which again will flow down to the broader community thus improving environmental management.

The construction industry has experienced a boom over the last five years, unfortunately along with this increase construction related injuries and fatal incidents have continued at an alarming rate. The social and economic impact of occupational, health, safety and environmental incidents is immense. Direct costs that result from poor construction safety, hygiene, health, and environments include human and economic costs. Indirect costs are also incurred and can include, inter alia, poor morale, poor productivity and downtime. Improved construction health, safety and environments could influence the South African economy in direct costs alone to the value of millions of Rand each year. This qualification aims to meet the demand for learners who are able to facilitate a safe and productive occupational environment.

This qualification is the entry level to a career path in construction health, safety and environmental management. There are generic components which will allow maximum mobility

within the field of application. Skills, knowledge, values and attitudes (competencies) reflected in the qualification are building blocks towards a NQF Level 4 qualification.

Qualifying learners will be able to show responsibility, and independently and effectively manage themselves in the workplace regarding generic and construction specific health and safety issues. Learners will be able to identify and evaluate occupational safety factors in the construction environment which may have a detrimental effect on health and safety of people in construction. Learners credited with this Qualification will be able to perform essential measurements and functions that promote a culture of health and safety in the workplace.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED IN PLACE

- Mathematical literacy at NQF Level 2.
- Communication at NQF Level 2.
- Computer literacy at NQF Level 2.

Recognition of Prior Learning:

The Qualification can be achieved whole or in part through the Recognition of Prior Learning (RPL). Learners obtaining the whole Qualification through Recognition of Prior Learning and wishing to be declared competent will be required to complete a practical assessment component to demonstrate competence for the purpose of such recognition. This implies that the Qualification may be granted to learners who have acquired the skills and knowledge without attending formal courses.

Learners submitting themselves for Recognition of Prior Learning should be thoroughly briefed prior to the assessment, and may be required to submit a Portfolio of Evidence (PoE) in the prescribed format and/or undergo a workplace assessment to be assessed for formal recognition. While this is primarily a workplace-based Qualification, evidence from other areas of endeavour may be introduced if pertinent to any of the Exit Level Outcomes. All Recognition of Prior Learning is awarded in agreement with the provider and relevant ETQA.

Access to the Qualification:

Access is open to all learners bearing in mind the learning assumed to be in place.

QUALIFICATION RULES

The Qualification is made up of a combination of learning outcomes from Fundamental, Core and Elective components, totalling a minimum of 133 Credits.

Fundamental component:

All unit standards to the value of 36 Credits are compulsory.

Core component:

All unit standards to the value of 85 Credits are compulsory.

Elective component:

The Elective Component consists of a number of unit standards from which at least 12 Credits must be attained.

EXIT LEVEL OUTCOMES

1. Use verbal and written practices to communicate in the workplace and apply mathematical processes to solve everyday numerical problems.
2. Explain the requirements of current legislation and accepted theories impacting on health, safety and environmental issues in the construction environment.
3. Recognise, assess and report health and safety hazards and situations in the construction industry.
4. Administer various health and safety functions, planning, policy and behaviours on construction sites.

Critical Cross-field Outcomes:

This Qualification addresses the following Critical Cross-field Outcomes, in the indicated Exit Level Outcomes:

- Identifying and solving problems in the workplace is demonstrated in the process of dealing with health and safety hazards and situations and the administration of health and safety functions.
- Working effectively with others is demonstrated in the maintenance and adherence of health, safety and environmental practices in the workplace.
- Organising and managing oneself and one's activities responsibly and effectively is demonstrated in the practice of health, safety and environmental functions in the workplace and in the application of legislation.
- Collecting, analysing, organising and critically evaluating information is demonstrated in the application of health, safety and environmental legislation and the implementation of health, safety and environmental practices and functions.
- Communicating effectively is demonstrated throughout all communication with the stakeholders who are involved in health, safety and environmental practices and functions.
- Using science and technology effectively and critically is demonstrated in the preparation and distribution of health, safety and environmental reports and in health, safety and environmental practices.
- Demonstrating an understanding of the world as a set of related systems is demonstrated through the proper application of systems, policies and procedures related to health, safety and environmental practices and functions into the general business processes.

ASSOCIATED ASSESSMENT CRITERIA

Associated Assessment Criteria for Exit Level Outcome 1:

- 1.1 Information from texts, reports and standard operating procedures is practically applied in the workplace in specific health, safety and environmental contexts.
- 1.2 All communications are addressed and responded to in accordance with the relevant workplace requirements.
- 1.3 Numerical conversions, calculations and measurements are performed as required in the workplace in specific health, safety and environmental contexts.
- 1.4 Health and safety signs, policies, standards and legislation are interpreted and explained as required by specific worksites.

Associated Assessment Criteria for Exit Level Outcome 2:

- 2.1 Relevant health and safety regulations are described according to the requirements of current applicable legislation.
- 2.2 The health and safety environment is defined with reference to specific construction workplace principles and situations.

2.3 The concept of promoting health, safety and environmental issues is explained indicating the roles played by all stakeholders.

Associated Assessment Criteria for Exit Level Outcome 3:

3.1 The consequences of poor adherence to health and safety requirements, with subsequent exposure to hazards are described in terms of the impact on people and the organisation.

3.2 Corrective and/or mitigative measures are taken to deal with construction hazards and risks in accordance with workplace specific health and safety requirements.

3.3 All identified hazards and the subsequent mitigative actions taken are recorded and reported to the relevant line manager(s).

Associated Assessment Criteria for Exit Level Outcome 4:

4.1 All health and safety functions are planned meet specified requirements for the relevant specific workplace.

4.2 Administrative functions are performed in accordance with workplace specific health and safety requirements.

4.3 Primary emergency care requirements are met in accordance with workplace specific health and safety requirements.

4.4 Workers are observed to ensure compliance to health and safety matters during all work-related activities.

Integrated Assessment:

- Learners may be credited for individual unit standards as and when they can demonstrate that they can achieve the required competencies.
- Workplace experience may be recognised when assessing this qualification.
- A range of formative and summative methods may be used in assessing learners, which may include:
 - Written and oral tests/examinations.
 - Case studies and assignments.
 - Role-play and simulation sessions.
 - Written reports/work plans.
 - Demonstrations by the learner.
 - Research projects.

Formative assessment should be carried out at regular intervals throughout the period of study. It should be offered in an integrated manner where the theoretical and practical components are assessed together to measure learner competence.

Summative assessment is carried out on completion of all learning components required for the Qualification, whether theoretical or practical.

INTERNATIONAL COMPARABILITY

Training programmes in occupational health and safety (OHS) exist in the SADC region. However a review of these programmes conducted under the auspices of SADC/ELS for Work and Health in Southern Africa (WAHSA), identified that with the exceptions of the Seychelles, South Africa, Zambia and Zimbabwe, no other SADC countries have any specific health and safety training programme in place. It is thus apparent that there is a lack of capacity in OHS training, and that many courses and topics needed to cover the requirements for OHS professionals in the region are missing. In the process of conducting this international comparison, it became clear found that the majority of OHS training is conducted by South African companies in the SADC region. It is therefore it was difficult to make any comparisons.

Qualifications from several other non-African countries were used for comparison, especially those with economies similar to that of South Africa. The best examples of similar qualifications/courses come from Brazil and India.

Qualifications from Countries with established economies were also compared because they offer education and training that is considered to be of high quality in terms of Occupational Health and Safety practices. These countries are the United Kingdom (UK), Australia, United States of America (USA) and Canada.

Brazil:

ABEX Training Group:

Course Title: Workplace Safety Procedures (an on-line course):

- Fundamentals of Working in Safe Workplace.
- Observe Basic Safety Procedures.
- Observe Basic Emergency Procedures.
- Act Responsibility in the Workplace.
- Safe Lifting and Carrying Techniques.

ONSITE Training Services (Approved OPITO Training):

Course Title: Confined Space Entry:

- Atmospheric Testing.
- Confined Space Awareness.
- Working Safely with Hydrogen Sulphide.

Course Title: Fire Safety:

- Fire Warden.
- Fire Extinguishers Users Course.

Course Title: Health and Safety:

- Accident/Incident Reporting and Investigation.
- Abrasive Wheels Regulations.
- Asbestos Awareness.
- C.O.S.H.H. Assessor.
- C.O.S.H.H. Awareness.
- Fall Arrest Suspension and Rescue Equipment.
- Hand Arm Vibration Syndrome.
- Lifting Risks.
- Manual Handling.
- Permit to Work.
- Personal Protective Equipment.
- Provision and Use of Work Equipment Regulations.
- Rig Pass.
- Risk Assessment.
- Safety Leadership.
- Safety Management.
- Safety Observation System.
- Safety Representatives.
- Slips, Trips and Falls.

Course Title: Offshore Safety Training Standards (2 day):

- Manual Handling.
- Safety Observation Systems.
- Lifting Risks.
- Risk Assessment.

India:

PRIA Education: New Delhi:

Course Title: Certificate in Occupational Health and Safety:

- Introduction to Occupational Health and Safety.
- Sector Specific Occupational Health and Safety Issues.
- Socio-economic aspects of Occupational Health and Safety.
- Health Screening Measures.
- Basics of Preventative Techniques.
- Occupational Health and Safety Legislation in India.
- Participatory Research in Occupational Health.

Nayati International - Andhra Pradesh:

Course Title: Occupational Health, Hygiene and Safety:

- Preventing and controlling Occupational Diseases and Accidents.
- Development and Promotion of Healthy and Safe Work and Work Environments.
- Enhancement of Physical, Mental and Social Well-being of Workers.
- The Development and Maintenance of Work Capacity.
- Professional and Social Development at Work.
- Conduct Socially and Economically Productive Lives.
- Contribute to Sustainable Development.

United Kingdom:

Institution of Occupational Safety and Health:

Course Title: Working Safely:

- Introducing Working Safely.
- Defining Hazard and Risk.
- Identifying Common Hazards.
- Improving Safety Performance.
- Protecting Our Environment.

Course Title: Managing safely:

- Introducing Managing Safely.
- Assessing Risks.
- Controlling Risks.
- Understanding Your Responsibilities.
- Identifying Hazards.
- Investigating Accidents and Incidents.
- Measuring Performance.

- Protecting Our Environment.

Saftek:

Course Title: Safety and Health Solutions:

- Adjusting to Weather Conditions.
- An Injury-Free Office.
- Avoiding Falls.
- Back Injuries.
- Colour Coding for Safety.
- Confined Space Precautions.
- Confined Space Entry.
- Construction Personal Protective Equipment.
- Crane and Hoist Safety Practices.
- Electrical Shock.
- Disaster and Emergency Preparedness.
- Emergency Evacuation.
- Employee Incidents Reporting.
- Eye Protection/Safety.
- Facts on Fire Safety.
- The ABCs of Fire Extinguishers.
- Fire Prevention.
- Foul Weather Safety.
- Fundamentals of Housekeeping.
- Guard Against Machine Hazards.
- Hand Tools.
- Handling Materials Manually.
- Safe Use of Hand Operated Tools and Equipment/Power Tools.
- Health Care Material and Patient Moving.
- Housekeeping in Health Care Facilities.
- Hidden Hazard Incidents.
- Job Site Safety.
- Keep Alert Prevention Falls.
- Lift Truck and Pedestrian Safety.
- Office Alive with Hazards.
- Office Safety.
- Practical Ergonomics.
- Practice Fire Prevention.
- Preventing Falls.
- Preventing Slips, Trips and Falls.
- Proper Clothing.
- Proper Housekeeping.
- Proper Use of Fire Extinguishers.
- Protecting Hands and Fingers.
- Respiratory Protection.
- Suit Up for Safety.
- Using Colour for Safety.
- Varying Degrees of Safety.

British Safety Council:

Course Title: BSC Awards Level 3 Certificate in Occupational Safety and Health:

- Accidents.

- Occupational Health Provision.
- Principles of Health and Safety Law.
- Health and Safety at Work Act 1974.
- Office, Penalties and Enforcement.
- Health and Safety Management.
- Risk Assessment.
- Safe Systems of Work.
- Personal Protective Equipment.
- Safe Workplace.
- Fire.
- Emergency Planning.
- Electrical Safety.
- Work Equipment.
- Occupational Transport.
- Construction and Demolition.
- Working at Height.
- Manual Handling.
- Mechanical Handling and Lifting Operations.
- Chemical and Biological Hazards.
- Display Screen Equipment and Workstations.
- Group at Particular Risk.
- Reporting, Recording and Investigating Incidents.
- Developing a Positive Health and Safety Culture.
- Protecting the Environment.

Course Title: Principles of Health and Safety:

- Accidents.
- International Occupational Health and Safety.
- Occupational Health Provision.
- Health and Safety Management.
- Risk Assessment.
- Safe Systems of Work.
- Personal Protective Equipment.
- Safe Workplace.
- Health and Safety Monitoring.
- Health and Safety Policies.

Course Title: Applied Health and Safety:

- Fire Precautions.
- Emergency Planning.
- Electrical Safety.
- Work Equipment.
- Workplace Transport.
- Construction and Demolition.
- Manual and Mechanical Handling.
- Display Screen Equipment and Workstations.
- Substance Safety.
- Groups at Particular Risk.
- Reporting, Recording and Investigating Incidents.
- Developing a Positive Health and Safety Culture.
- Protecting the Environment.

The Royal Society for the Prevention of Accidents (ROSPA):

Course Title: NEBOSH National Certificate in Construction Safety:

- Scope of construction.
- Safe stacking and storage of materials and flammable substances.
- Main hazards and controls.
- Management controls and responsibilities.
- Working above ground level -hazards controls and inspection.
- Excavations-hazards, controls and inspection requirements.
- Health hazards, noise, vibration, dust, cement, solvents, cleaners.
- Course Title: NEBOSH National General Certificate: Block Route.
- Provide an understanding of health and safety legislation.
- Monitor safety performance in the workplace.
- Investigate accidents.
- Design and implement safe systems of work and accident prevention programmes.

Safety Media:

Course Title: Manual Handling:

- Causes of Workplace Accidents.
- Understanding How to Lift Correctly.
- Guidance on the Correct Lifting Procedure.
- Handy Hints on the Do's and Don'ts of Manual Handling.

Course Title: Fire Safety:

- Correct Procedure Should a Fire Start?
- Guidance on How Fires Start.
- How to Prevent Them.

Course Title: Office Safety:

- Alert Employees to Possible Risks and Hazards in an Office.

Course Title: COSHH:

- Raise Awareness in the Safe Handling and Use of Hazardous Substances.

Course Title: Health and Safety for Managers:

- Understanding Principles of Health And Safety Management.
- Knowledge How to Make a Difference in the Workplace.
- Contribute to the Process of Reducing Loss to Business Through Injuries.
- Ill Health and Damage Incidents.

Course Title: Health and Safety Induction:

- Areas within the workplace where they could face danger.

Course Title: Risk Assessment:

- Range of Hazards.
- Information on how to Identify a Risk and a Hazard.
- Conduct a Risk Assessment.

- Course Title: Working at Height.
- Risk Activity.
- Fatalities.
- Work Safely.
- follow safe working.

Australia:

National Safety Council of Australia (NSCA):

Course Title: Diploma of Occupational Health and Safety:

- A Knowledge of the Current OHS Act and Regulations.
- Codes of Practice and Standards.
- Consequences of Exposure to Health Hazards at Work.
- An Understanding of The Skills to Recognise, Evaluate and Manage Health and Safety Hazards in the Workplace.
- An Understanding of the Skills to Administer Various Occupational Health and Safety Functions, Planning, Policy Development and Ethics.

Course Title: Certificate IV in Occupational Health and Safety:

- Implement and Support the OHS Management Systems.
- Prepare Workplace Personnel for Dealing with OHS Issues.
- Ensure Legislative Requirements are Applied.
- Implement OHS Initiatives and Processes.
- Organisational OHS Goals and Objectives.

- United States of America::

National Environmental, Safety and Health Training Association (NESHTA):

Course Title: Certified Environmental, Safety and Health Trainer (CET):

- Accident Prevention and Hazard Awareness.
- Industrial Hygiene.
- Personal Protective Equipment.
- Emergency Response.
- Regulatory Standards.
- Fire Prevention/Protection.

Canada:

Industrial Accidental Prevention Association (IAPA):

Course Title: Health and Safety Solutions:

- Health Safety and The Law.
- Workplace Safety.
- Workplace Inspections.
- Workplace Health.
- Accident Investigations.
- Joint Health and Safety Committees.

Bright Training and Safety Wear:

Course Title: Joint Health Safety Committee Certification Training:

- Joint Health and Safety Committee Members.
- Accident Investigations and Injury Prevention.
- Pedestrian Safety.
- Blood borne Pathogens Training.
- Emergency Preparedness.
- Transportation of Dangerous Goods.
- Hazard Identification.
- Risk Management.
- Machine Guarding.
- Ergonomics Training.
- Fall and Arrest.

Course Title: Industrial Equipment:

- Industrial Forklift Training.
- Lift Truck Training Operator Evaluation.
- Propane Handling.
- Overhead Crane/Sling Operator.
- Confined Entry Space Awareness.
- Lockout, Tagout/Power Presses.
- OSHA Standards Lock Out Tag Out.
- Entrapment Rescue.
- Hazardous Materials.
- Environmental Spills Training.
- Aerial Platform.
- Punch Press Operator Course.
- Low Lift Pallet Truck.
- Improving Safety Performance.
- Protecting Our Environment.

Conclusion: Qualifications from the United Kingdom seem to indicate best practice because of the strictness in observance of health and safety practices and in the provision of training and development in this field. The National Certificate: Construction Health and Safety Management, NQF Level 3, compares favourably with equivalent courses offered in the United Kingdom. Differences in training in South Africa are created through the need to comply with South African legislative requirements. Training in the area of OHS in South Africa has shown to be in demand in several countries of the SADC region and further afield in sub-Saharan Africa. It can thus be concluded that this Qualification compares favourably with international best practice.

ARTICULATION OPTIONS

Horizontally, this Qualification articulates with:

- ID 50062: National Certificate: Occupational Hygiene and Safety, NQF Level 3.
- ID 60249: National Certificate: Primary Response in Emergencies, NQF Level 3.
- ID 49128: National Certificate: Community Health Work, NQF Level 3.
- ID 49752: National Certificate: Environmental Practice, NQF Level 3.

Vertically, this Qualification articulates with:

- ID 50063: Further Education and Training Certificate: Occupational Hygiene and Safety, NQF Level 4.
- ID 64697: Further Education and Training Certificate: Community Health Work, NQF Level 4.

- ID 50309: Further Education and Training Certificate: Environmental Practice, NQF Level 4.

MODERATION OPTIONS

- Anyone assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with the relevant ETQA or ETQA that has a Memorandum of Understanding in place with the relevant ETQA.
- Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA or ETQA that has a Memorandum of Understanding in place with the relevant ETQA.
- Moderation must include both internal and external moderation of assessments at exit points of the Qualification, unless ETQA policies specifies otherwise. Moderation should also encompass achievement of the competence described both in individual Unit Standards, Exit Level Outcomes as well as the integrated competence described in the Qualification.
- Anyone wishing to be assessed against this Qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA or ETQA that has a Memorandum of Understanding in place with the relevant ETQA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

For an applicant to register as an assessor, the applicant should:

- Be registered as an assessor with the relevant ETQA or an ETQA that has a memorandum of understanding with the relevant ETQA.
- Be in possession of a relevant Qualification at NQF Level 4 or higher.

NOTES

N/A

UNIT STANDARDS

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Fundamental	119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
Fundamental	9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	2
Fundamental	9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4
Fundamental	119457	Interpret and use information from texts	Level 3	5
Fundamental	9012	Investigate life and work related problems using data and probabilities	Level 3	5
Fundamental	119467	Use language and communication in occupational learning programmes	Level 3	5
Fundamental	7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5
Fundamental	119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
Core	9964	Apply health and safety to a work area	Level 2	3
Core	117923	Use a Graphical User Interface (GUI)-based presentation application to prepare and produce a presentation according to a given brief	Level 2	5
Core	116937	Use a Graphical User Interface (GUI)-based spreadsheet application to create and edit spreadsheets	Level 2	4
Core	117924	Use a Graphical User Interface (GUI)-based word processor to format documents	Level 2	5
Core	116945	Use electronic mail to send and receive messages	Level 2	2
Core	15034	Work in confined spaces on construction sites	Level 2	2
Core	120330	Conduct a continuous risk assessment in a workplace	Level 3	4
Core	120335	Conduct an investigation into workplace incidents	Level 3	5

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Core	120337	Demonstrate knowledge pertaining to the preparation, conducting, recording and follow-up actions of a planned task observation in a working place	Level 3	2
Core	365183	Implement safety procedures for open hole or deep excavations	Level 3	4
Core	120325	Monitor, report and advise on the application of safety and health principles regarding the movement of people and materials in and around a working place	Level 3	7
Core	120362	Monitor, report and make recommendations pertaining to specified requirements in terms of working at heights	Level 3	4
Core	254220	Provide primary emergency care/first aid as an advanced first responder	Level 3	8
Core	120329	Respond to, implement and manage emergencies according to an emergency action plan in a workplace	Level 3	2
Core	119078	Use a GUI-based word processor to enhance a document through the use of tables and columns	Level 3	5
Core	120341	Conduct a Task Analysis and take appropriate action to address identified risks	Level 4	4
Core	120344	Demonstrate knowledge and understanding of relevant current occupational health and safety legislation	Level 4	4
Core	120370	Monitor and make recommendations on the application of health and safety principles regarding hazardous substances in the working place	Level 4	3
Core	120349	Monitor and make recommendations on the application of health and safety principles regarding lifting equipment in the working place	Level 4	4
Core	120354	Monitor and make recommendations on the application of health and safety principles regarding pressure vessels and pressure systems in the working place	Level 4	4
Core	120359	Monitor, report and make recommendations on the requirements applicable to permit to work systems in a working environment	Level 4	4
Elective	116283	Demonstrate knowledge of and apply regulatory requirements pertaining to crane operation	Level 2	5
Elective	259601	Participate in the implementation and evaluation of a safety and health management programme in the workplace	Level 2	2
Elective	253638	Sling and communicate during crane operations	Level 2	4
Elective	116931	Use a Graphical User Interface (GUI)-based web-browser to search the Internet	Level 2	4
Elective	120317	Measure noise levels, and take appropriate action	Level 3	6
Elective	114218	Demonstrate an understanding and implement environmental initiatives on a construction project	Level 4	6

LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION**None**



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Implement safety procedures for open hole or deep excavations***

SAQA US ID	UNIT STANDARD TITLE		
365183	Implement safety procedures for open hole or deep excavations		
ORIGINATOR	PROVIDER		
TT - Occupational Health & Safety			
FIELD	SUBFIELD		
9 - Health Sciences and Social Services	Preventive Health		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	4

New NQF Level: NQF Level 03

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
119526	Implement safety procedures for open hole or deep excavations	Level 3	4	Will occur as soon as 365183 is registered

SPECIFIC OUTCOME 1

Explain the legal responsibilities for Health and Safety when working in or alongside excavations.

SPECIFIC OUTCOME 2

Identify unsafe working conditions relating to excavations.

SPECIFIC OUTCOME 3

Determine methods of achieving health and safety when working in or alongside excavations.

SPECIFIC OUTCOME 4

Undertake responsibility for safety of self and others.

SPECIFIC OUTCOME 5

Conduct safe work practices.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

	ID	QUALIFICATION TITLE	LEVEL
Core	77063	National Certificate: Construction Health and Safety Management	Level 3

No. 1220

21 December 2009

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Task Team for

Medical Technology

registered by Organising Field 09 – Health Sciences and Social Services, publishes the following Qualification for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification. The full Qualification can be accessed via the SAQA web-site at www.saqqa.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification should reach SAQA at the address below and **no later than 29 January 2010**. All correspondence should be marked **Standards Setting – Task Team for Medical Technology** and addressed to

The Director: Standards Setting and Development
SAQA
Attention: Mr. E. Brown
Postnet Suite 248
Private Bag X06
Waterkloof
0145
or faxed to 012 – 431-5144
e-mail: ebrown@saqa.org.za


D. MPHUTHING

ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:
Bachelor: Medical Laboratory Sciences

SAQA QUAL ID		QUALIFICATION TITLE	
77083		Bachelor: Medical Laboratory Sciences	
ORIGINATOR		PROVIDER	
TT - Medical Technology			
QUALIFICATION TYPE	FIELD	SUBFIELD	
Professional Qualification	9 - Health Sciences and Social Services	Curative Health	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	502	Level 7	Regular-ELOAC

New NQF Level: NQF Level 08

This qualification does not replace any other qualification and is not replaced by another qualification.

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

This Qualification is intended to develop the academic skills, values and attributes necessary to create a practitioner with solid ethical principles and a desire for life-long learning. It will enable successful learners to become medical laboratory scientists who are employed in laboratory diagnostic services and who are able to successfully undertake research.

This Qualification will lead the learner through six focus areas that contribute to the main objectives of the medical laboratory sciences and which are reflected in the Qualification, viz:

- Diagnostic techniques required for the diagnosis and subsequent treatment of patients.
- Keeping a breast of new trends in technology, equipment and diagnostic methodology to ensure continued professional development of the medical laboratory scientist and in turn, promote improved health services to society.
- Developing research potential to place South African medical services at the forefront of international patient care.
- Developing management and quality assurance skills required for effective, efficient and sustained delivery of quality laboratory services supporting the medical profession.
- Ethical and safety considerations required to underpin the profession.
- Empathy and communication skills required by practitioners to deliver relevant and accurate information to the different health care participants and sectors.

On completion of this qualification, the graduate will be able to:

- Integrate laboratory tests with pathophysiological conditions in a chosen field of specialisation in accordance with statutory and operational requirements.
- Critically evaluate current and new trends in technology to improve practices and to solve problems in a variety of contexts.
- Conduct research in the field of medical laboratory sciences, in compliance with legislated and ethical research principles.
- Apply management and entrepreneurship skills in the context of medical laboratory sciences.

Compliance with statutory requirements including quality, ethics and safety underpin all exit level outcomes.

Successful completion of this qualification will enable the graduate to register with the Health Professions Council of South Africa (HPCSA) as a Medical Laboratory Scientist.

Rationale:

The medical laboratory scientist plays an integral role in the healthcare of society. The health sector relies on the effective diagnosis and management of patient care, as well as the implementation and management of a legislative framework that protects people's rights to reliable and accurate healthcare services. Qualified medical laboratory scientists are specialised health professionals who provide vital information about a patient's state of health. Their input is necessary in the diagnosis, monitoring and treatment of disease. The analytical and diagnostic services provided by medical laboratory scientists require a strong scientific knowledge, as well as trained reasoning ability and empathy for humanity.

There is a critical shortage in South Africa of highly skilled and suitably qualified medical laboratory scientists as a health care resource. This Qualification has been structured to meet that need through the development of higher level competencies associated with a professional degree at NQF Level 8.

The acquisition of advanced competencies is required by the sector in order to meet the legislative and operational requirements of the Health Professions Council of South Africa (HPCSA). The flexibility of career pathing for medical laboratory scientists, both vertically and horizontally, is possible through personal growth and job advancement within and across the health sector. Therefore the qualification provides for learners with operational competencies as well as management skills, including supervision, mentoring and leadership.

A variety of organisations operate within the health care sector, including a number of national departments; provincial and local health authorities; private and public laboratory services; forensic laboratories; medical research laboratories; medical practitioners, inter alia doctors specialists, dentists; pharmaceutical companies; medical supply companies and the medical laboratory scientist plays a vital role in all of these areas.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED IN PLACE

It is assumed that learners accessing this qualification are competent in:

- Communication at NQF Level 4.
- Mathematics at NQF Level 4.
- Physical Sciences at NQF Level 4.
- Life Sciences at NQF Level 4.

Recognition of Prior Learning:

This Qualification may be achieved in part through the Recognition of Prior Learning. Evidence must be presented on application for recognition of prior learning and may take the form of verified testimonials, or other appropriate evidence, such as verified accounts of previous relevant work experiences or performance records.

All recognition of prior learning is carried out in accordance with the policies and procedures of the providing institution and in agreement with the relevant ETQA.

Access to the Qualification:

Learners accessing this Qualification will be expected to be in possession of a National Senior Certificate with Matriculation exemption, a relevant Further Education and Training Certificate, or equivalent NQF Level 4 qualification and comply with the selection policy of the relevant provider in agreement with the relevant Education and Training Quality Assurance body (ETQA).

It is recommended that applicants are fluent in English, as all major learning material is only available in that language medium.

QUALIFICATION RULES

All the Exit Level Outcomes must be achieved for the learner to be awarded the Qualification.

EXIT LEVEL OUTCOMES

1. Perform and integrate laboratory tests with pathophysiological conditions in a specific field of specialisation in accordance with statutory and operational requirements.

- Range of specialisations include: Medical Microbiology; Virology; Clinical Chemistry; Haematology; Clinical Pathology; Blood Transfusion Technology; Cytology; Histopathology; Cytogenetics; Immunology; Pharmacology; Forensic Medicine.

2. Evaluate current and new trends in technology to improve practices and to solve problems in a variety of contexts.

- Range of areas for evaluation include but are not limited to: Usefulness and practicality of equipment and methodologies in relation to laboratory constraints, integration with existing equipment, space, budgeting, standard operating procedures, laboratory safety procedures, infection control methods.

3. Conduct research in the field of medical laboratory sciences in compliance with legislated and ethical research principles.

4. Apply management and entrepreneurship skills in the context of medical laboratory sciences.

Critical Cross-field Outcomes:

This Qualification addresses the following Critical Cross-field Outcomes, in the indicated Exit Level Outcomes.

- Identifying and solving problems is demonstrated in the process of performing laboratory tests, investigating new techniques and applying these in the workplace.
- Working effectively with others is demonstrated in the maintenance of laboratory etiquette and the adherence to ethical practices.
- Organising and managing oneself and one's activities responsibly and effectively is demonstrated in the presentation of a technically correct and valid research project.
- Collecting, analysing, organising and critically evaluating information is demonstrated in the application of the rules and principles of scientific investigation and supplying valid laboratory test results.
- Communicating effectively is demonstrated throughout all communication with stakeholders involved in health, laboratory functions and successful institutional management functions.
- Using science and technology effectively and critically is demonstrated in the preparation, analysis, investigation and reporting of findings of human tissue specimens.
- Demonstrating an understanding of the world as a set of related systems is demonstrated through the proper application of systems, policies and procedures related to laboratory work and practices within the functioning of the general health industry business processes.

ASSOCIATED ASSESSMENT CRITERIA

Associated Assessment Criteria for Exit Level Outcome 1:

- 1.1 Routine and specialised diagnostic techniques (including molecular biology techniques) in a specific field are selected, performed, interpreted and integrated in accordance with statutory requirements and situational standard operating procedures.
- 1.2 Laboratory results are evaluated through correlation of data in the context of the principles, techniques and instruments used.
- 1.3 Factors that affect procedures and test results are recognised and appropriate action is taken to nullify these.
- 1.4 Laboratory results are interpreted through correlation of data with physiological and pathophysiological conditions.
- 1.5 Findings are evaluated, interpreted and integrated through application of an in-depth knowledge of disease processes.
- 1.6 Equipment is monitored for efficient functioning and appropriate action is taken when necessary.
- 1.7 Laboratory safety procedures, including infection control, are described and applied throughout all operating procedures.
- 1.8 Quality assurance procedures are described and applied throughout all operating procedures.

Associated Assessment Criteria for Exit Level Outcome 2:

- 2.1 The constraints within a given laboratory are analysed, synthesised and evaluated relative to the services required of the facility.
- 2.2 The use of new equipment is learned in depth to obtain the maximum use thereof.
- 2.3 Appropriate new techniques and methods are recommended on the basis of methodological scientific principles.
- 2.4 New techniques and methods which have been written up an/or presented formally are analysed, recommended with motivation and applied where applicable.

Associated Assessment Criteria for Exit Level Outcome 3:

- 3.1 Research needs within the chosen specialisation in the field of medical laboratory sciences are appropriately identified, articulated and investigated.
- 3.2 Appropriate research methods are applied.
- 3.3 Applicable literature is reviewed and documented according to accepted scientific practices.
- 3.4 Data is accurately collected, analysed and interpreted using appropriate qualitative and/or quantitative techniques.
- 3.5 Research findings are evaluated and conclusions and recommendations, based on sound theoretical principles, are formulated.
- 3.6 A research report is produced and presented in accordance with the required institutional research guidelines.

Associated assessment Criteria for Exit Level outcome 4:

- 4.1 Human, infrastructural, operational and financial resources are analysed and managed efficiently and effectively.
- 4.2 A business plan for a new medical laboratory service is developed, approved and implemented within a structured situation.
- 4.3 Principles of entrepreneurship skills are explained in terms of the proposed business model.
- 4.4 Current, relevant legislation is explained and applied where applicable, such as within the proposed business plan.
- 4.5 All clinical interactions and related activities are aligned with the provisions and rules of the relevant institution and the codes of ethics of the HPCSA and relevant professional associations.
- 4.6 All manner of communication, including appropriate use of electronic media and medical terminology, with patients, colleagues and other service providers, is clear, direct and accurate and delivered in terms of maintaining patient confidentiality.

Integrated Assessment:

Formative and summative assessment strategies should be used throughout the qualification programme to ensure that exit level and cross critical outcomes are met.

Formative assessment may include:

- Tests.
- Written and practical assignments.
- Literature reviews.
- Case studies.
- Class presentations.
- Seminars.
- Peer evaluation.
- Simulations in structured learning environments.

Summative assessment may include:

- Written examinations.
- Oral examinations.
- Practical examinations.
- Supervisor reports where appropriate.
- Objective Simulated Clinical Evaluation Scenarios (OSCES).

INTERNATIONAL COMPARABILITY

The challenge of selection for international comparability resides in the fact that direct comparison needs to consider a number of best practices internationally, while at the same time making provision for the diversity within the South African operating context. Internationally, qualifications in medical laboratory sciences e.g., Bachelor of Science in Biomedical Sciences, are not offered at the level of a diploma which strengthens the case for the South African Qualification to be upgraded to be in line with international practices. The context of South African legislation as it pertains to both the educational and health sectors supports the imperative for a professional qualification to be registered on the NQF.

Australia:

The University of Technology Sydney (UTS) offers a Bachelor of Science in Biomedical Science as a three year full-time, or six year part-time degree. Alternately, learners can complete a four year full-time degree, with the successful completion of a diploma in Scientific Practice or 4 years full-time with Honours. This represents a fourth year and is required for full recognition to practice. Graduates with this qualification have professional recognition in overseas countries.

The UTS programme is not in an outcomes based format which makes it difficult to compare credit allocation. However, components of the course similar to those of the South African Qualification consist of Physiology, Pathophysiology, Immunology, Molecular Biology and clinical subjects such as Haematology and Microbiology. The overall credit points for this qualification is 144 credit points of which 24 credit points (cp) consist of electives that may be taken as a sub-major. This is a four year full-time study programme recognised by the Australian Institute of Medical Scientists (AIMS).

Course Programme:

- Statistical Design and Analysis: 6 cp.
- Chemistry 1A: 6 cp.
- Cells, Genetics and Evolution: 6 cp.

- Medical Science I: 6 cp.
- Chemistry 2A: 6 cp.
- Physical Aspects of Nature: 6 cp.
- Biomolecules: Structure and Function: 6 cp.
- Medical Science 2: 6 cp.
- General Microbiology: 6 cp.
- Metabolic Biochemistry: 6 cp.
- Anatomical Pathology: 6 cp.
- Immunology I: 3 cp.
- Haematology I: 3 cp.
- Molecular Biology I: 6 cp.
- Analytical Biochemistry: 6 cp.
- Epidemiology and Public Health Microbiology: 6 cp.

The above make up the core modules.

Learners need to select 6 credit points from one of the following in their second year:

- Biotechnology: 6 cp.
- Physiological Systems: 6 cp.

In their third year learners need to select 24 credit points (12 credit points from group 1 and 12 credit points from group 2, respectively) from one of the following electives.

Group 1:

- Cytopathology Part A.
- Clinical Bacteriology.
- Medical and Diagnostic Biochemistry.
- Haematology 2.
- Molecular Biology 2.
- Cytopathology.

Group 2:

- Transfusion Science.
- Cytopathology Part B.
- Biochemistry, Genes and Disease.
- Parasitology.
- Immunology 2.

These competencies compare favourably with the competencies outlined in the South African professional degree. In addition, the South African professional degree emphasises competencies such as laboratory management, quality assurance and ethical conduct, which are not explicitly stated in the competencies outlined in the Bachelor of Science in Biomedical Science as offered by UTS.

New Zealand:

The second qualification used for comparison is the Bachelor of Medical Laboratory Sciences (Level 7) 480 credits offered by Auckland University of Technology (AUT) which is also recognised in Australia by the Australian Institute of Medical Scientists (AIMS).

This is a four year full-time study programme with the following specialisations:

- Clinical Chemistry.
- Haematology.
- Histology.
- Immunology.
- Medical Cytology.
- Medical Microbiology.
- Transfusion Science.

The specialisations in the programme offered at Auckland University of Technology are similar to those of the South African Qualification. The South African Qualification includes the additional specialisations of Virology, Cytogenetics and Clinical Pathology. It also requires specialisation in the theory of four majors and intense specialised practical competence in one discipline in the fourth year.

The core competencies of the Bachelor of Medical Laboratory Science (Level 7) offered by Auckland University of Technology include:

- Scientific Communications.
- Statistical Models.
- Microbiology.
- Organic Chemistry.
- General Chemistry.
- Histological Techniques.
- Human Anatomy and Physiology.
- Biological Chemistry.
- Genetics.
- Clinical Chemistry.
- Haematology.
- Immunology and Virology.
- Transfusion Sciences.
- Molecular Genetics.
- Research.

Wales:

The University of Wales Institute, Cardiff offers the BSc. Honours programme in Biomedical Sciences (Applied Biomedical Sciences) that is recognised by the Welsh National Health Service. This is similar to the South African Qualification in that it is also designed to encourage, develop, integrate and apply scientific knowledge, understanding and skills into a multi-disciplinary investigation of human diseases and disorders. The core and fundamental competencies are similar to those of the South African Qualification.

In the first year learners cover Fundamental Biochemistry, Cell Biology and Genetics, Immunology, Microbiology and Human Physiology. Molecular Biology of the Cell, Epidemiology, Data Analysis, Research Methods, Medical Biochemistry, Disorders of Cells and Tissues, Public Health and Medical Microbiology are covered in the second year. The third year covers Biology and Laboratory Investigation, Molecular and Genetic Analyses and Molecular and Clinical Immunology. In addition, the third year contains a strong research component to encourage independent enquiry and critical analysis. Integrated work-based training is undertaken in the Welsh NHS accredited clinical laboratories. On successful completion of the integrated work-based professional training undertaken in a NHS accredited clinical laboratory, the learner is awarded a "certificate of competence" which assists eligibility of graduates successfully completing this course in applying to become registered with the New Zealand Health Professions Council.

Zimbabwe:

The University of Zimbabwe offers an internationally recognised degree namely, Bachelor of Medical Laboratory Sciences (Honours degree). The competencies required are equivalent to those of the proposed South African Qualification. The theory component of the course is covered in the first, second and fourth years of study (900 hours per year) while the third year is dedicated to working in accredited clinical laboratories. Within the first year 70% of the time is dedicated to lectures and tutorials, 15% to practicals and 15% to student-based learning i.e., assignments, projects, and self-study. For the second and fourth year the distribution is 75%:15%: 10% and 70%: 10%: 20%, respectively. The design of the Zimbabwe programme differs from the South African Qualification in terms of the intended practical work-based learning. The extra semester spent on developing practical competence in the South African Qualification is considered to give strength to the graduate as a potential practitioner.

Namibia:

Namibia offers a similar degree at the Polytechnic of Namibia. This qualification is called the Bachelor of Biomedical Sciences degree and is worth 500 credits at NQF Level 8.

Course Programme:

Year 1:

- Human Physiology (including Pathophysiology, Genetics and Cytology).
- Chemistry I.
- Biostatistics and Calculations.
- Medical Physics.
- Laboratory Principles I (including Computer Literacy).
- Communication Skills I.
- Basic Molecular Biology.
- Immunology.
- Biochemistry.
- Applied Laboratory Principles.

Year 2:

- Medical Microbiology I.
- Cellular Pathology I.
- Haematology I.
- Clinical Chemistry.
- Biology of diseases.
- Medical Microbiology II.
- Haematology II.
- Cellular Pathology II.
- Clinical Chemistry II.
- Immunohaematology I.

Year 3:

- Medical Microbiology III (Pathophysiology integrated).
- Haematology III (Pathophysiology integrated).
- Clinical Chemistry III (Pathophysiology integrated).
- Cellular Pathology III (Pathophysiology integrated).
- Research Methodology (including higher level of Biostatistics).
- Laboratory Management.
- Integrated Clinical Pathology.

- Integrated Cellular Pathology.

Year 4:

- Integrated Clinical Pathology (at workplace).
- Research Project.

In terms of the credits, the Namibian qualification equates to 50 credits at NQF Level 5, 75 credits at NQF Level 6, 235 credits at Level 7 and 140 credits at Level 8. The total number of credits is 500. In the South Africa Qualification the credit values are as follows: 76 credits at NQF Level 5, 114 credits at NQF Level 6, 158 credits at NQF Level 7 and 154 credits at NQF Level 8. The total number of credits is 502. There has been close collaboration between Namibian and South African professionals in the development of the Namibian qualification.

Conclusion:

The South African Qualification compares well with the Bachelor of Science in Biomedical Science as offered by the University of Technology: Sydney; Bachelor of Medical Laboratory Sciences (Level 7) 480 credits offered by Auckland University of Technology; the BSc. (Honours): Biomedical Sciences offered by University of Wales Institute, Cardiff's; the Bachelor of Medical Laboratory Sciences (Honours) offered by the University of Zimbabwe and the Bachelor of Biomedical Sciences degree offered by the Polytechnic of Namibia. The comparison is particularly strong with regard to the core operational areas of medical laboratory sciences. All the qualifications used for comparison are 4 year qualifications that require professional recognition before the graduates can practice.

In the qualifications selected for comparison a similarity of competencies is clearly identifiable, and in some instances, in order to meet the South African requirements in the field of medical laboratory sciences, the South African Qualification provides a broader scope of choice of specialisation. These requirements are catered for by the intended learning time in the work place, research competencies and the national standards set for the integrated exit level assessment.

In contrast to all international qualifications investigated, assessment in the South African Qualification is strengthened by incorporation of the professional body requirements into the final summative examination. In addition, the South African Qualification is further strengthened over all the international qualifications used for comparison through the incorporation of a substantial research project to be undertaken by learners.

It is clear from the comparison of qualifications that a similar approach is followed with different focus areas to provide for South Africa's unique requirements. The main areas of competence shared amongst the qualifications are certainly equal to international best practice.

ARTICULATION OPTIONS

This qualification articulates horizontally with:

- ID 72371: Bachelor of Technology: Biomedical Technology, New NQF Level 8.

This qualification articulates vertically with:

- ID 74039: Master in Biomedical Technology, New NQF Level 9.

MODERATION OPTIONS

- Anyone assessing or moderating assessment of a learner, against this Qualification must be registered as an assessor or moderator with the relevant ETQA, or with an ETQA that has a Memorandum of Understanding with the relevant ETQA.

- Assessment and moderation of assessments may be overseen by the relevant ETQA according to the policies and guidelines for assessment and moderation of that ETQA or relevant ETQA that has a Memorandum of Understanding with the ETQA.
- Any institution offering the Bachelor degree in Medical Laboratory Sciences must be accredited as a provider with the relevant ETQA, or with an ETQA that has a Memorandum of Understanding with the relevant ETQA and HPCSA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

- Assessors must be registered in terms of the requirements of the relevant ETQA.
- Assessors and moderators must be used in a manner that fits into the quality management system of the provider and in accordance with the institutional tuition and assessment policies. This must also apply to the appointment of outside assessors and/or moderators.

NOTES

On completion of this qualification, a graduate wanting to practice as a medical laboratory scientist will be required to register with the HPCSA. Unregistered medical laboratory scientists may only work in non-diagnostic laboratories.

The HPCSA requires a medical laboratory scientist to have an additional 2 years post-registration laboratory experience before full registration as a professional medical laboratory scientist with the HPCSA can be obtained.

UNIT STANDARDS

This qualification is not based on Unit Standards.

LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION

None