CALENDAR 2016

FACULTY OF ECONOMIC SCIENCES AND
INFORMATION TECHNOLOGY
UNDERGRADUATE
Vaal Triangle Campus

Address all correspondence to:

The Registrar
North-West University
Vaal Triangle Campus
P.O. Box 1174
Vanderbijlpark
1900

Tel: (016) 910 3290
Fax: (016) 910 3292
Internet: http://www.nwu.ac.za

PLEASE MENTION YOUR UNIVERSITY NUMBER IN ALL CORRESPONDENCE.

The Academic Rules of the University, to which all students have to subject themselves and which apply to all the qualifications offered by the University, appear in a separate publication and are available on the web page at: http://www.nwu.ac.za.

Please note: Although the information in this Calendar has been compiled with the utmost care and accuracy, the Council and the Senate of the University accept no responsibility whatsoever for errors that may occur. Before students finally decide on the selection of modules, they must consult the class timetable. If a clash occurs in the planned selection of a student, the relevant module combination is not permitted.

TABLE OF CONTENTS

OFFICE BEARERS

Executive Dean: Prof HJ van der Merwe

Director: **Research Development**: Prof J Surujlal

DIRECTORS OF SHOOLS AND SUBJECT CHAIRS:

SCHOOL OF ACCOUNTING SCIENCES

Director: Prof HH Janse van Vuuren

Accounting – Non CA:	Mr B van der Niet
Auditing	Ms J Volschenk
Chartered Accountancy (CA):	Ms A Mostert
Commercial Law:	Ms V Pelser-Carstens
Financial Accountancy (SAIPA):	Ms E Lubbe
Management Accountancy Training (CIMA):	Ms T de Jong
Taxation:	Prof M Delport

SCHOOL OF ECONOMIC SCIENCES

Director: Prof WCJ Grobler

Economics and International trade:	Dr DF Meyer
Entrepreneurship:	Mr J Landsberg
Risk Management:	Dr D Viljoen
Marketing:	Prof N de Klerk
Sport Sciences:	Dr A Lennox

SCHOOL OF INFORMATION TECHNOLOGY

Director: Ms D Gerber

Information Technology:	Dr S Gilliland
Mathematics & Business Mathematics and Informatics:	Ms L van der Merwe
Statistics and Operational Research:	Mr P Ntema

ADMINISTRATIVE MANAGER: Ms A van der Elst

PROGRAMME AND SUBJECT CHAIRS SITUATED IN THE FACULTY OF HUMANITIES

SCHOOL OF BASIC SCIENCES

Director: Prof TC Rabali

Law: Prof E Serfontein

SCHOOL OF BEHAVIOURAL SCIENCES

Director: Dr E Botha

Industrial Psychology: Mr FW Stander

Labour Relations Management: Dr L Moolman

Psychology: Dr HJ Walker-Williams

SCHOOL OF LANGUAGES

Director: Dr HG Butler

Academic Literacy: Ms AP Butler

Communication: Ms J Kloppers

SCHOOL OF EDUCATION SCIENCES

Director: Prof JE Fourie

Post Graduate Certificate in Education: Dr M Kloppers

FACULTY BOARD

Van der Merwe, HJ (Chair)

Surujlal, J

Barnard, E

Bevan-Dye, A

Blignaut, S

Davel, M

Delport, M

De Klerk, N

Goede, R

Gerber, D

Gilliland, S (Representative Library Committee)

Grobler, WCJ

Janse van Vuuren, HH

Jordaan, DB

Lucouw, P

Pretorius, PD

Zaaiman, H

SRC Academic

Van der Elst, A (ex officio)

Vermeulen, CW (ex officio)

Strydom, E (ex officio)

Mbijekana, W (Secretary/Scribe)

E.1 FACULTY RULES

E.1.1 AUTHORITY OF THE ACADEMIC RULES

The Faculty Rules valid for the different qualifications, programmes and curricula of this Faculty and contained in this Faculty Calendar are subject to the Academic Rules of the University, as determined from time to time by the Council of the University on recommendation by the Senate. The Faculty Rules should therefore be read in conjunction with the Academic Rules.

The *Academic Rules,* which is published in the webpages of the University, can be found at http://www.nwu.ac.za

E.1.2 EVALUATION OF ACADEMIC LITERACY LEVELS

a) All undergraduate students who register at the University for the first time, must report, at a time and place determined by the University, for compulsory proficiency tests in academic literacy in order to evaluate their ability to function in an academic environment. The purpose of the test is to identify students who, due to insufficient academic skills, run the risk of not completing their study programme successfully within the allowed period.

b) The test is conducted in the presentation language of the programme that the student has registered for (Afrikaans or English), and with the exception of students who are indicated as marginal cases by the test, each student will receive only one opportunity to write the test. Students considered marginal cases, will receive a second opportunity to write the test.

c) Students, who are identified as risk cases by the test, must register for the module AGLA 111 (Afrikaans) or AGLE111 (English). These modules will not be considered for credit purposes in curricula, but the credits awarded in these modules will count as additional credits.

d) For admission to the examination in AGLA111 / AGLE111, a participation mark of 35% is required. Students who do not obtain admission to the examination in AGLA111 / AGLE111, or who fail the examination, and who also fail two or more other modules, will have to have the continuation of their studies in the next semester re-evaluated by the Selection Committee. Lastly, AGLA111 / AGLE111 must be passed by the end of the second historic year of study in order to prevent the termination of studies.

e) AGLA121 / AGLE121 (depending on the student's preferred or working language) is a compulsory module for all students registering at the University for the first time. This module carries a weight of 12 credits and forms part of the curriculum that the student has registered for. A student who passed the compulsory test in academic literacy has admission to AGLA121 / AGLE121. A student who first had to complete AGLA111 / AGLE111 had to have obtained a final mark of at least 40% for AGLA111 / AGLE111 in order to obtain admission to AGLA121 / AGLE121.

f) Students who have failed the module AGLA111 / AGLE111, but who have been admitted to AGLA121 / AGLE 121 and have passed this examination, may have their results for AGLA111 / AGLE111 condoned into a passing grade by the relevant school director.

g) Students who have already successfully completed a module/course or modules/courses similar to AGLA111, 121 / AGLE111, 121, at another institution and can provide proof of this; can apply, in writing, to receive recognition for this from the Director of the School for Languages.

h) A subminimum applies to each of the three sections of AGLA/E121. Students must pass all three sections to complete the module successfully.

E.1.3 FACULTY-SPECIFIC RULES

E.1.3.1 Admission requirements

Requirements for admission to the University are given in Academic Rule 1.2. Specific requirements are stated in the rules of the different qualifications, programmes and curricula offered in the Faculty.

E.1.3.2 Class attendance requirements

a) A minimum class attendance of two-thirds (or as indicated in the study guide) is expected from students. This excludes assessment times.

b) Class exemption may only be granted in terms of Academic Rule 2.3.2.6. However, if class exemption is granted, students must still obtain a participation mark during the current year of registration.

c) The Faculty cannot guarantee that modules that have to be repeated together with current year modules will all fit into the class time table. Clashes that arise due to repeat modules will result in the student either having to take those modules in another year or not to register for the current year's modules.

E.1.3.3 Admission to the examination

a) Admission to the examination in any module takes place by obtaining a proof of participation (Academic Rule 2.4.2).

b) A proof of participation that grants admission to the examination will only be issued after a student has, to the satisfaction of the school director in consultation with the subject chair, complied with the requirements of the specific proof of participation as set out in the study guide of the relevant module.

c) In order to be admitted to the examination (the final assessment) in a module, a bona fide first year student must have obtained the minimum participation mark of 35% for a first semester first year module (including WISN123 and STTN122).

d) In order to be admitted to the examination for modules other than a first year module mentioned in c) above, a student must have obtained the minimum participation mark of 40%.

E.1.3.4 Pass requirements of a module and a curriculum

a) The provisions of Academic Rule 2.4.3 apply.

b) The sub-minimum for all examination papers is 40% (Academic Rule 2.4.3.3). There might be modules from other faculties where sub-minimums of 45% are required. Modules thus taken in another faculty will have to comply to the sub-minimums as set out in that relevant faculty rules. (i.e. e the Law modules in the Faculty of Humanities have a sub-minimum of 45%)

c) In order to pass a module, the final module mark of at least 50% must be attained (Academic Rule 2.4.3.1), but still subject to the sub-minimum for each examination paper as required in b) above.

d) Certain modules, as indicated in the relevant study guides, are excluded from the second examination opportunity.

e) A programme is passed if all the modules that form part of that programme are passed individually.

f) The requirements for a module/curriculum to be passed with distinction are 75%.

g) Any qualification will be conferred with distinction if the candidate obtains an average of 75% for all the core modules of the curriculum of the qualification at all levels in the minimum period of study (Academic Rule 2.5.2).

E.1.3.5 Access to marked examination scripts and requests for re-mark

Access

1) Within 48 hours after the marks of any examination opportunity has been published, a student may complete a student request to make an arrangement with the relevant lecturers to view his/her exam script.

Application for remark

2) A student may, within 48 hours after the marks of any exam opportunity has been published apply at the Administrative Officer/School Secretary for a remark or his/her script by completing a student request form and submitting it with proof of payment of the prescribed fee. The prescribed fee must be paid in at the cashier of the university.

a) Students are informed on the application form that the payment of the fee does not guarantee an adjustment of the marks.
b) The amount paid for the remark may be refunded under special circumstances, for example: casting errors, errors with multiple choice marking (such as incorrect processing), or if, per the judgement of the School Director, there were gross negligence (such as a complete question not marked or a large adjustment).
c) A student may only apply for a remark if he/she has personally viewed his/her paper.
d) When a paper is submitted for a remark, it should be remarked objectively without prejudice. Students should also be informed that there may be negative adjustments.
e) No further communication between the student, lecturer or moderator is allowed after a remark. The Faculty of Economic Sciences and IT does not guarantee that the remark process will be completed before the commencement of the second exam opportunity. In the event that the result is not available at the commencement of the second opportunity, the student should make use of the second opportunity.
f) If the time frame for submitting the application for remark ends before four o'clock in the afternoon, the period is accepted to end at four o'clock of the relevant working day. If the period ends on a Saturday, Sunday or Public Holiday, it is automatically extended until 16h00 of the following working day.

E.1.3.6 Progress in a curriculum

a) A module of any subject can only be registered for if the student has complied with the prescribed prerequisites as stipulated in the list of modules.

b) Academic Rule 2.3.4 stipulates the number of modules for which the student may register in addition to existing curriculum.

c) A student may not continue with exit level modules unless the prescribed first year modules were successfully completed.

d) Third year students may be registered for the first semester together with outstanding first year modules, provided these modules can also be enrolled for and passed in the first semester. However, third year students will not be allowed to register for any exit level modules in the second semester of the third year if they did not pass all their first year modules as per rule E1.1.4(c) above.

E.1.3.7 Termination of studies

The studies of a student may be terminated (Academic Rule 2.4.8).

a) A student who in any semester fails more than 50% of the modules he / she was registered for, shall receive a formal written warning from the Dean, and be referred for academic advice and study counselling (Academic Rule 2.4.7).

b) If a student's academic performance is unsatisfactory the studies of the student may be terminated in terms of Academic Rule 2.4.8.

E.1.3.8 Modules to complete a qualification

In order to reach the programme outcomes of a curriculum in this faculty all modules, (except where recognition or exemption of modules were obtained) must be completed at the North-West University.

E.1.4 WARNING AGAINST PLAGIARISM

Assignments are individual tasks and not group activities, unless expressly indicated as a group activity). For further details see: http://www.nwu.ac.za

E.1.5 CAPACITY STIPULATION

Please take cognizance of the fact that, owing to specific capacity constraints, the University reserves the right to select candidates for admission to certain fields of study. This means that prospective students who comply with the minimum requirements may not necessarily be admitted to the relevant field of study.

E.1.6 SCHOOLS AND RESEARCH ENTITIES IN THE FACULTY

The Faculty of Economic Sciences and Information Technology consists of three schools. A director manages each school. In each school, there are different programmes. The schools are especially responsible for the teaching of undergraduate and post-graduate programmes.

The different schools and undergraduate programmes are the following:

SCHOOL	PROGRAMMES
School of Accounting Sciences	Chartered Accountancy (CA) Financial Accountancy (SAIPA) Management Accountancy (CIMA) Accounting
School of Economic Sciences	Economics and International Trade Economics and Risk Management Economics, Risk and Investment Management Economics and Informatics Entrepreneurship and Business Management Marketing Management Sport and Recreation Management *Law **Industrial Psychology and Labour Relations Management **Human Resource Management
School of Information Technology	Computer and Mathematical Sciences Information Technology Business Analytics Financial Mathematics Quantitative Risk Management
Programme/subject group chair situated in the Faculty of Humanities *Subject Group: Law (with regards to Law modules only) **School of Behavioural Sciences (with regards to Behavioural Sciences modules only)	
School of Languages	With regards to modules; AGLE111 & 121, FREB and GERB only

Research in the Faculty is focused in the following areas:

Unit name abbreviation	Unit Name
UARM	Applied Risk Management
PoSER	Poverty&Social Economic Research
ProGenY	Profiling Generation Y
MUST	Multi Lingual Speech Technologies
Serious GamesInstitude-SA	Bridge the gap between learning and fun
ROBOTICS	Building and programming robots in IT
Bhive	Port of call for all entrepreneurs
AppsFactory	Mobile Application Factory

Research is also conducted together with other research units/focus areas (such as the Research Focus Area for Business Mathematics (BMI)

E.1.7 QUALIFICATIONS, PROGRAMMES AND CURRICULA

SCHOOL OF BEHAVIOURAL SCIENCES (B Com - 3 years)				
Method of Delivery	**Programme**	**NQF**	**APS**	**Admission Requirements**
Full-time and Part-time	Industrial Psychology and Labour Relations Management (500 153 - E360V)	7	24	Mathematics level 3
Full-time and Part-time	Human Resource Management (500 151 - E361V)	7	24	Mathematics level 3

E.1.7 QUALIFICATIONS, PROGRAMMES AND CURRICULA (CONTINUE)

SCHOOL OF ACCOUNTING SCIENCES (B Com - 3 years)				
Method of Delivery	**Programme**	**NQF**	**APS**	**Admission Requirements**
Note: Candidates without Accounting as school subject should start with ACCS111 (Special Financial Accounting) All candidates who achieved less than level 3 for school accounting are advised to also start with ACCS111 (Special Financial Accounting) If students achieve at least 65% in this module at the end of the first semester they will be allowed to continue with ACCF121 (Financial Accounting) in the second semester. If a student achieves an average of 65% in ACCF121 he/she can write the second opportunity examination in ACCC121 and if the result is at least 55% he/she will be admitted to the second year CA-accounting (ACCC271).				
Full-time	Chartered Accountancy (CA) (500 155 - E371V)	7	30	Mathematics level 5 and Accounting level 4
Full-time and Part-time	: Financial Accountancy (SAIPA) (500 156 - E372V)	7	28	Mathematics level 4
Full-time and Part-time	: Management Accountancy (CIMA) (500 158 - E373V)	7	30	Mathematics level 5
Full-time and Part-time	Accounting (500 160 - E334V)	7	24	Mathematics level 3
Full-time and Part-time	Accounting and Informatics (500 162 – E374V)	7	28	Mathematics level 4
EXTENDED PROGRAMMES (B Com - 4 years)				
Full-time	Chartered Accountancy (CA) (500 204 - E303V) *E302V phase out for pipeline students * E303V phase in from 2013 for 1st years	7	26	Mathematics level 3
Full-time	Programme: Financial Accountancy (SAIPA) (500 215 – E301V)	7	24	Mathematics level 3 or Mathematical Literacy level 7 (80%)

E.1.7 QUALIFICATIONS, PROGRAMMES AND CURRICULA (CONTINUE)

SCHOOL OF ECONOMIC SCIENCES (Diploma - 3 years)				
Method of Delivery	**Programme**	**NQF**	**APS**	**Admission Requirements**
Full-time	Qualification: Diploma in Sport Science (832 100 - G101V) **Programme is phasing out, no intake for 2016**	6	16	National Senior Certificate / Admission to Diploma studies
SCHOOL OF ECONOMIC SCIENCES (B Com - 3 years)				
Note: Candidates without Accounting as school subject should start with ACCS111 (Special Financial Accounting). All candidates who achieved less than level 3 for school accounting are advised to also start with ACCS111 (Special Financial Accounting) If students achieve at least 65% in this module at the end of the first semester they will be allowed to continue with ACCF121 (Financial Accounting) in the second semester.				
Full-time and Part-time	Economics and InternationalTrade (500 130 - E340V)	7	24	Mathematics level 4
Full-time and Part-time	Economics and Risk Management (500 132 - E341V)	7	28	Mathematics level 4
Full-time and Part-time	: Economics, Risk and Investment Management (500 134 - E342V)	7	28	Mathematics level 5
Full-time	: Economics and Informatics (500 135 - E343V)	7	28	Mathematics level 4
Full-time and Part-time	Entrepreneurship and Business Management (500 142 - E350V)	7	24	Mathematics level 3
Full-time	Law (500 183 –R302V)	7	30	Mathematics level 4
Full-time and Part-time	Marketing Management (500 203 - E354V)	7	24	Mathematics level 3
Full-time	Sport and Recreation Management (500 150 - E301V)	7	24	Mathematical Literacy level 5

E.1.7 QUALIFICATIONS, PROGRAMMES AND CURRICULA (CONTINUE)

SCHOOL OF ECONOMIC SCIENCES (CONTINUE)				
EXTENDED PROGRAMME (B Com - 4 years)				
Method of Delivery	**Programme**	**NQF**	**APS**	**Admission Requirements**
Full-time	Economics and Risk Management (500 214 - E302V)	7	24	Mathematical Literacy 70%
Full-time	Economics and International Trade (500 217 - E301V)	7	24	Mathematical Literacy 70%
Full-time	Marketing Management (500 206 - E301V)	7	24	Mathematical Literacy 70%
SCHOOL OF INFORMATION TECHNOLOGY (BSc - 3 years)				
Full-time	Quantitative Risk Management (200 166 - N134V)	7	32	Mathematics level 6
Full-time	Financial Mathematics (200 167 - N135V)	7	32	Mathematics level 6
Full-time	Business Analytics (200 168 - N136V)	7	32	Mathematics level 6
Full-time	Bachelor of Science in: Information Technology (264 100 – N150V)	7	24	Mathematics level 4 and one of the following on level 4: Physical Sciences, Life Sciences, Information Technology or Accounting.
Full-time	Computer and Mathematical Sciences:			
	Curriculum: Computer Science and Economics (200 191 - N175V)	7	24	Mathematics level 5
	Curriculum: Computer Science and Statistics (200 191 - N156V)	7	24	Mathematics level 5 and Physical Sciences level 4

E.1.7 QUALIFICATIONS, PROGRAMMES AND CURRICULA (CONTINUE)

SCHOOL OF INFORMATION TECHNOLOGY (CONTINUE)				
EXTENDED PROGRAMMES (BSc - 4 years)				
Method of Delivery	**Programme**	**NQF**	**APS**	**Admission Requirements**
Full-time	: Business Analytics (200 198 - N302V) **N301V–Data Mining, phase out for pipeline students and N302V–Business Analytics, phase in from 2013 for 1st years*	7	28	Mathematics level 4
Full-time	Information Technology (264 102 - N302V) **N301V phase out for pipeline students and N302V phase in from 2013 for 1st years*	7	24	Mathematics level 3
Full-time	Financial Mathematics (200 208 - N301V)	7	28	Mathematics level 4
Full-time	Quantitative Risk Management (200 207 - N301V)	7	28	Mathematics level 4

E. 2 RULES FOR DEGREES AND DIPLOMAS

E.2.1 RULES FOR THE DEGREE BACHELOR OF COMMERCE

E.2.1.1 Duration of study

The minimum duration of the study for a B Com qualification is three years and the maximum duration for the completion of the qualification is four years.

The minimum duration of the study for a B Com extended qualification is four years and the maximum duration for the completion of the qualification is five years.

E.2.1.2 Admission requirements

The B Com qualification requires a minimum APS-score of 24 and Mathematics on level 3 (40-49%).

The following exceptions apply:

a) Accounting (500160 : E334V) requires Mathematics on level 3 (40-49%) and an APS of 24.

b) Financial Accountancy (500156 : E372V) require Mathematics on level 4 (50-59%) and an APS of 28.

c) Management Accountancy (500158 : E373V), and Chartered Accountancy CA (500155 : E371V) require Mathematics on level 5 (60-69%) and an APS of 30.

d) Chartered Accountancy CA Extended Programme (500204 : E303V) requires Mathematics on level 3 (40-49%) and an APS of 26.

e) A student on the Chartered Accountancy CA Extended Programme (500204 : E303V) curriculum will not be allowed to change over to any other curriculum

f) Financial Accountancy (SAIPA) Extended Programme (500 215 : E301V) requires Mathematics on level 3 (40-49%) OR Mathematical Literacy on level 7 (80% or more) and an APS of 24.

g) A student on the Financial Accountancy (SAIPA) Extended Programme (500 215: E301V) who obtained 65% or more for WISS 112 and WISS 122 as well as 65% or more for ACFS 111 and ACFS 121 can change to the Chartered Accountancy (CA) Extended Programme (500 204: E303V) from their second year onwards.

h) Economics and International Trade (500 130 –E340V) requires Mathematics on level 4 (50-59%) and an APS of 24.

i) International Trade Extended Programme (500 217: E301V) requires Mathematical Literacy on level 6 (70-79%).

j) Economics, Risk- and Investment Management, (500134 : E342V) requires Mathematics on level 5 (60-69%) and an APS of 28.

k) Economics and Risk Management (500132 : E341V) requires Mathematics on level 4 (50-59%) and an APS of 28.

l) Economics and Risk Management Extended Programme (500214 : E302V) requires Mathematics Literacy 70% and an APS of 24.

m) B Com in Law Programme (500 183: R 302V) requires Mathematics level 4.

n) Sport and Recreation Management (500150 : E301V) requires Mathematics Literacy on level 5 (60-69%) and an APS of 24.

o) Diploma in Sport Science (832100 : G101V) requires a National Senior Certificate allowing diploma studies and an APS of 16.

p) Entrepreneurship and Business Management (500142 : E350V), Marketing Management (500203 : E354V), Industrial Psychology and Labour Relations Management (500153 : E360V) and Human Resource Management (500151 : E361V), require Mathematics on level 3 (40-49%) and an APS of 24.

q) Marketing Management Extended Programme (500 206: E301V) requires Mathematical Literacy on level 6 (70-79%).

r) The Accounting modules ACCC111 and ACCC121 require Accounting on level 4 (50-59%).

s) Students who did not have Accountancy as a subject at school, must do the Special Accounting modules ACCS111, 121 in the first year before starting with ACCF111. Students who achieved less than level 3 for school accounting are advised to also start with ACCS111 (Special Financial Accounting)

t) If a student achieves 65% at the end of the first semester in ACCS111, the student will be allowed to continue with ACCF121 in the second semester.

u) If a student achieves 65% at the end of the first semester in ACCF111, the student will be allowed to continue with ACCC121 in the second semester.

v) If a student achieves 65% in ACCF121, he/she can write the second opportunity examination in ACCC121 and if a mark of 55% is reached, he/she can be admitted to the second year CA-Accountancy (ACCC271).

E.2.1.3 Outcomes

The general outcomes of the B Com qualification are the following:

a) Empowering students with graduate knowledge of concepts, structures, models, theories, principles, skills, research methodologies and applied competence enabling them to pursue rewarding careers in the changing economic and business environment of the new millennium.

b) Providing South Africa with graduates who are competent in one or more of the following specialisations: Economics, International Trade and Marketing, Risk Management, Business Management, Entrepreneurship, Accounting, Computer Science and Information Technology, Human Resource Development, Labour Relations and Business Ethics.

c) Assisting and enabling the student to develop his/her intellectual and moral capacity to understand the economic and business environment, to think critically and innovatively and to lay the foundations for further specialisation.

In addition to the general outcomes of this qualification its contents is structured in such a way that specific exit levels (including the critical outcomes) can be attained. The B Com graduate will be able to:

a) demonstrate a thorough knowledge of and insight into economic and business environments and to solve problems that arise from these environments in the context of other disciplines;

b) identify and solve convergent and divergent economic and business related problems in a creative and critical manner on the strength of his/her multidisciplinary knowledge of concepts, structures, models, theories, principles and research methods;

c) identify and create opportunities and understand the entrepreneurial process.

d) act effectively both as an individual and in the context of a team and organisation in view of creating the opportunity to develop as a leader in a multidisciplinary environment;

e) organise and manage his/her activities with self-discipline, integrity and commitment in a responsible and effective manner in order to reach the required goals;

f) collect, analyse, organise, critically evaluate and apply economic and entrepreneurial management knowledge;

g) exploit and communicate economic and business information effectively by utilising appropriate information technology;

h) demonstrate responsibility towards the environment and the health of other people by the effective and critical use of science and technology;

i) practise lifelong learning by establishing an active interest in the dynamics of the economic and business environment;

j) demonstrate an understanding for the need to sustain competence and healthy practices in order to keep ahead of the changing economic environment of new methods, techniques and competing challenges;

k) critically evaluate views of life;

l) develop respect for the value system of this University;

m) act as a responsible citizen at a local, national and international level;

n) be sensitive to the socio-economic needs of our heterogenic and multicultural business communities and of the world in general;

o) exploit educational and career opportunities.

E.2.1.4 Articulation

a) Vertically the B Com qualification articulates a competency to apply for admission to NQF level 8 qualifications, specifically honours qualifications in the student's selected specialist discipline.

b) The B Com qualification prepares the graduate for a career in a local and international economic and business environment.

c) The B Com qualification may grant the student admission to related studies at other institutions for higher education.

d) Articulation at other tertiary institutions is possible on the strength of applicable exit levels attained.

E.2.1.5 List of modules

Module code	Descriptive name	Prerequisites	Credits
Chartered Accountancy			
ACCC111	Accounting: Framework, Foundations, Cycle and Financial Reporting	Mathematics level 5 (60-69%) and Accounting level 4 (50-59%)	16
ACCC121	Accounting: Accounting for Different Entities	ACCC111 or ACCF111 (65%)	16
ACCC271	Accounting: Corporate Accounting and introduction to IFRS and group statements	ACCC121 (55%) or ACCF111,121 (65%) and ACCC121 (55%) in the 2nd exam opportunity	32
ACCC371	Accounting: Complex Corporate Accounting (including group statements) and IFRS	ACCC271 (55%)	32
Financial Accounting			
ACCF111	Financial Accounting: Basic Concepts, Accounting Systems and Elementary Financial Reporting	Mathematics Grade 12 level 3 (40-49%)	16
ACCF121	Financial accounting: Elementary Financial Reporting, Partnerships, Closed Corporations and Companies	ACCF111 (40%) or ACCC111 (40%) or ACCS 111 (65%)	16
ACCF211	Financial Accounting: Financial Reporting	ACCF111 & 121 or ACCC111 & 121	16
ACCF221	Financial Accounting: Special Topics and Elementary Group Statements	ACCF211 (40%) or ACCC271 (40%)	16
ACCF311	Financial Accounting: Group Statements and Introduction to International Financial Reporting Standards (IFRS)	ACCF211 & 221 or ACCC271	16
ACCF321	Financial Accounting: International Financial Reporting Standards (IFRS)	ACCF311 (40%) or ACCC371 (40%)	16
Financial Accounting (Special)			
ACCS111	Financial Accounting (Special): Basic Concepts, Accounting Cycle and Accounting Systems		16
ACCS121	Financial Accounting (Special):Financial Reporting, Analyses and Interpretation of Financial Statements	ACCS111 (40%)	16
Academic Literacy			
AGLE111	Introduction to Academic Literacy	TALL test	
AGLE121	Academic Literacy	AGLA/E111 or TALL test	12

Module code	Descriptive name	Prerequisites	Credits
Accounting & Computers			
ACMP311	Computer applications in Accountancy		12
Auditing			
AUDT211	Auditing: The Auditor and the Audit Process	ACCC111,121	12
AUDT221	Auditing: Applications and Computer Auditing	AUDT211 (40%)	12
AUDT371	Auditing: Audit process- and Company Law Application	AUDT211 & 221	24
AUDF211	Financial Auditing-Introduction to the auditing process	ACCC111 &121 or ACCF111 & 121	12
AUDF221	Financial Auditing- Application of audit principles	AUDF211 (40%)	12
AUDF311	Financial Auditing – Corporate governance and ethical principles	AUDF211 & 221	12
AUDF 321	Financial Auditing – The audit process and the application of audit techniques	AUDF211 & 221	16
Business Management			
BMAN111	Introduction to Business Management		12
BMAN121	General Management		12
BMAN211	Introduction to Marketing Management		16
BMAN212	Entrepreneurial skills		16
BMAN221	Purchasing Management		16
BMAN222	Entrepreneurial Opportunities		16
BMAN311	Financial Management		16
BMAN312	Entrepreneurship		16
BMAN321	Strategic Management		16
Marketing			
BMAR211	Services Marketing		16
BMAR221	Consumer Behaviour		16
BMAR311	Product Decisions		16
BMAR312	Price and Distribution Decisions		16
BMAR321	Marketing Research		16
BMAR322	Integrated Marketing Communications		16
Economics			
ECON111	Introduction to Economics		12
ECON121	Basic Micro- and Macro-economics		12

Module code	Descriptive name	Prerequisites	Credits
Economics (continue)			
ECON211	Macro-economics	ECON121 & WISN/111/112/123 (40%)	16
ECON221	Micro-economics	ECON121 & WISN111/112/ 123 (40%)	16
ECON311	Fiscal and Monetary Policy		16
ECON321	Economic Analysis		16
ECON322	Development Economics		16
EKIP211	International Trade		16
EKIP221	International Financing		16
EKIP311	International Trade Geography		16
EKIP321	International Business Communication		16
EKRP211	Introduction to Risk Management		16
EKRP221	Investment Management		16
EKRP311	Bank Risk Management		16
EKRP321	Financial Markets	WISN111/112/123	16
Law			
IURI111	Law of Persons		12
IURI121	Indigenous Law		12
IURI171	Introduction to Law		16
IURI172	History of South African Law		16
IURI173	Family Law		16
IURI174	Language Skills and Legal Context I		16
IURI211	Criminal Law		12
IURI213	Legal Interpretation		12
IURI221	Criminal Law (Specific Crimes)		12
IURI222	Labour Law		12
IURI223	Fundamental Rights		12
IURI272	Law of Property		16
IURI273	Law of Delict		16
IURI274	Language Skills and Legal Context II	IURI174	16
IURI311	Entrepreneurial Law		12
IURI373	Law of Contract		16
IURI321	Administrative Law		

Module code	Descriptive name	Prerequisites	Credits
IURI412	Introduction to Jurisprudence		12
Business French			
FREB111	Elementary Business French 1		12
FREB121	Elementary Business French 2		12
Business German			
GERB111	Elementary Business German 1		12
GERB121	Elementary Business German 2	GERB111	12
Management Accounting			
FINM221	Financial Management: Introduction	ACCC121 (40%) / ACCF121 & WISN112 / 123	16
FINM321	Financial Management: Decision Making and Valuations	FINM221	16
MACC211	Management Accounting: Cost terms, -elements and -systems.	ACCS111 & 121 or ACCC111 & 121 or ACCF111 & 121	16
MACC221	Management Accounting: Cost Behaviour Patterns and Decision-making Techniques	MACC211 (40%)	16
MACC311	Management Accounting: Planning and Control	MACC211 & 221	16
Industrial Psychology			
IOPS111	Introduction to Industrial Psychology		12
IOPS121	Occupational Health and Ergonomics		12
IOPS211	Personnel Psychology		16
IOPS221	Career Psychology		16
IOPS311	Organisational Behaviour		16
IOPS321	Psychometrics and Research Methodology		16
Labour Relations Management			
LARM111	Introduction to Labour Relations		12
LARM211	Occupational Management		16
LARM221	Group Dynamics		16
LARM311	Theory and Practice of Labour Relations		16
LARM321	Management of Labour Relations		16
LARM322	Conflict Resolution		16
HRMA122	Functions of Human Resource Management		12

Module code	Descriptive name	Prerequisites	Credits
Computer Science and Information Systems			
ITRW112	Introduction to Programming		12
ITRW123	Graphic Interface Programming I	ITRW112 or ITSP113	12
ITRW211	Graphic Interface Programming II	ITRW123	8
ITRW213	Systems Analysis and Design I	ITRW123	16
ITRW225	System Analysis and Design II	ITRW213	16
ITRW311	Databases I	ITRW225 (IT) ITRW222 (BWI)	16
ITRW321	Databases II	ITRW311	16
Communication Studies			
KCOM226	Business Communication Skills		12
Human Resource Management (Business Psychology and Business Sociology)			
PSDT111	Professional Skills Development		12
Commercial Law			
MLAW111	Introduction to Contracts and Business Law		12
MLAW121	Mercantile Law: Business Forms		12
MLAW211	Mercantile Law: Advanced Company Law	MLAW121	12
Professional Ethics			
PETH211	Professional Ethics for Accountants		12
Psychology			
PSYC121	Social and Community Psychology		12
PSYC211	Developmental Psychology		16
PSYC212	Personality Psychology		16
PSYC311	Psychopathology		16
Recreation Management			
MBXR217	Sport Organization and Development		8
MBXR218	Sport Commercialisation, Sport Development and Sport Law		16
MBXR219	Sport Organisation and Administration		8
RKKX113	Introduction to Recreation Science		12
RKKX123	Introduction to Outdoor Recreation		12
RKKX214	Recreation Leadership		16
RKKX314	Professional Issues in Recreation		16
RKKX325	Recreation Management		16

Module code	Descriptive name	Prerequisites	Credits
Statistics			
STTN111	Descriptive Statistics		12
STTN115	Descriptive Statistics and Inference		12
STTN122	Introductory Statistics		12
STTN124	Practical Statistics		12
STTN125	Introductory Probability Theory	STTN115 & WISN111	12
STTN215	Probability and SamplingTheory	WISN121 & STTN125	16
Strategy, Risk Management and Control			
STRA321	Strategy, Risk Management and Control	ACCC271 or ACCF211 & 221	12
Taxation			
TAXC211	Introduction to Income Tax of Companies and Vat	ACCC111,121	12
TAXC221	Introduction to Income Tax of Individuals and Estate Administration	TAXC211 (40%)	12
TAXC371	Tax Applications	ACCC271 & TAXC221 (40%)	32
TAXF211	Introduction to Income Tax of Companies	ACCF111, 121 or ACCC111 &121	12
TAXF221	Introduction to Income Tax of Individuals	TAXF211 (40%)	12
TAXF311	Taxation of individuals and businesses	TAXF221 or TAXC221 & ACCF211,221 or ACCC271	16
TAXF321	Company taxes , Trusts and other	TAXF311 (40%) or TAXC371 (40%)	16
Mathematics			
WISN111	Introductory Algebra and Analysis I	Mathematics Grade 12 level 5 (60-69%)	12
WISN112	Mathematical Techniques	Mathematics level 4 (50-59%)	12
WISN121	Introductory Algebra and Analysis II	WISN111	12
WISN123	Mathematical Techniques	Mathematics Grade 12 level 4 (50-59%)	12
Know and Understand the World			
WVES221	Understanding the Economic World		12
WVES311	Applied Ethics		12

Extended Programme Modules			
Module Code	Descriptive Name	Prerequisites	Credits
ACFS111	Accounting Special		16
ACFS112	Accounting Special (CA)		16
ACFS121	Accounting Special	ACFS 111 (40%)	16
ACFS122	Accounting Special (CA)	ACFS112 (40%)	16
BRSF121	Analytical Thinking		8
CTSS111	Critical Thinking Skills		8
STTF111	Foundation Statistics I		12
STTF121	Foundation Statistics II	STTF111	12
WISS112	Foundation Mathematics I	Grade 12 Mathematics level 3 (40-49%) or Mathematical Literacy (70%)	12
WISS122	Foundation Mathematics II	WISS112	12

E.2.2 RULES FOR THE DEGREE BACHELOR OF SCIENCE

E.2.2.1 Duration of study

The minimum period of study for this qualification is three years for full-time students only. The minimum period of study for the extended programmes is four years for full-time students. The maximum period of study is equal to the minimum period of study plus one year. A student may apply for extension of this period.

E.2.2.2 Admission requirements

Admission to all the programmes in this qualification is governed by Academic Rule 2.2 of the University.

- A student who wishes to enrol for WISN111 must have obtained at least 60% (level 5) for Mathematics in the grade 12 examination or at least 70% (level 6) in another examination in Mathematics regarded by the Senate as equivalent to the above.

  Students who do not meet these requirements, but have obtained at least 50% (level 4) in the grade 12 examination or at least 60% (level 5) in another examination in Mathematics deemed by the Senate as equivalent to the above, are permitted to a refresher course in Mathematics that will be offered in January by the School of Information Technology. If such students perform adequately in the tests that are written during this course, they may be considered for admission to studies in Mathematics modules for the BSc qualification.

- A student who wishes to enrol for Mathematical Techniques (WISN112, WISN123) / Basic Mathematical Techniques (WISN113) must have obtained at least 50% (level 4) for Mathematics in the grade 12 examination or at least 60% (level 5) in another examination in Mathematics deemed by the Senate as equivalent to the above.

Remarks:

Prospective students who do not meet the grade 12 requirements to enrol for WISN111, and who also have not attended the refresher course, may obtain permission to WISN111 in the second study year by passing the appropriate module in Mathematical Techniques (WISN112 , WISN123) in the first study year, on condition that students who acquire permission along this route to programmes that would have been otherwise inaccessible, have to take into consideration that they might not be able to complete their studies in the minimum period.

E.2.2.3 Outcomes

a) General:

At the end of the studies, the student will have the ability to integrate the basic knowledge and techniques of the core subjects in the curriculum he/she completed with a view to investigating phenomena in nature relevant to the core subjects of the curriculum and solving relevant problems.

b) Knowledge:

The student will: have a thorough knowledge of the core subjects of the curriculum he/she completed in order to be able to apply his/her knowledge; understand the physical reality in terms of this knowledge; be ready to continue with postgraduate studies in one of the core subjects.

c) Skills:

The student will have acquired the following skills:

- the ability to retrieve knowledge and information electronically and otherwise in preparation of lifelong learning;
- the ability to perform mathematical-analytical and mathematical- numerical data processing, problem solving and modelling;
- the ability to process, evaluate and report on scientific information;
- where applicable, the basic laboratory skills;
- the ability to work in groups and where necessary to exercise the necessary leadership.

d) Values:

The student ought to have acquired the following values:

- the ability to understand and strive after the normative aspects of practising science and in this way demonstrate a sense of responsibility towards fellow human beings and the environment in scientific investigations;
- scientific honesty and integrity;
- commitment;
- accountability (ICARUS).

E.2.2.4 Articulation

a) On successfully completing a curriculum the student who has performed adequately will have direct access to honours studies in one of the core subjects of the curriculum, and in the case of some core subjects, thereafter access to master studies.

b) Credits will be awarded for modules that have been passed in other faculties or at other universities, provided such modules contribute to the outcomes and total credit requirements of the curriculum concerned.

c) With the basic and applied skills that the student has acquired by this qualification in the mathematical, computer and natural science disciplines he/she will be prepared to continue further learning in several specialised subject areas at other institutions.

E.2.2.5 List of modules

Module code	Descriptive name	Prerequisites	Credits
Accountancy			
ACCC111	Accounting: Framework, Foundations, Cycle and Financial Reporting	Mathematics level 5 (60-69%) and Accounting level 4 (50-59%)	16
ACCC121	Accounting: Accounting for Different Entities	ACCC111 or ACCF111 (65%)	16
ACCF111	Financial Accounting: Basic Concepts, Accounting Systems and Elementary Financial Reporting	Mathematics level 3 (40-49%)	16
ACCF121	Financial accounting: Elementary Financial Reporting, Partnerships, Closed Corporations and Companies	ACCF111 (40%) or ACCC111 (40%) or ACCS111 (65%)	16
ACCF211	Financial Accounting: Financial Reporting	ACCF111, 121 or ACCC111, 121	16
ACCF221	Financial Accounting: Special Topics and Elementary Group Statements	ACCF211 (40%) or ACCC271 (40%)	16
Financial Accounting Special			
ACCS111	Financial Accounting (Special): Basic Concepts, Accounting Cycle and Accounting Systems		16
ACCS121	Financial Accounting (Special): Financial Reporting, Analyses and Interpretation of Financial Statements	ACCS111 (40%)	16
Academic Literacy			
AGLA/E111	Academic Literacy	TALL test	12
AGLA/E121	Academic Literacy	AGLA/E111 or TALL test	12
Business Management			
BMAN111	Introduction to Business Management		12
BMAN222	Entrepreneurial Opportunities		16

Module code	Descriptive name	Prerequisites	Credits
Business Mathematics			
BWIA111	Introduction to Financial Mathematics		12
BWIA121	Introduction to Actuarial Sciences	BWIA111 & WISN111	12
BWIA271	Financial Mathematics	BWIA121 & WISN121	32
BWIA313	Actuarial Statistical Models	BWIA271	24
BWIN321	BMI project: Capital Markets Modelling and Analysis	BWIA313 & STTN315	16
Economics			
ECON111	Introduction to Economics		12
ECON121	Basic Micro-and Macro Economics		12
ECON211	Macro-economics	ECON121 and WISN111/113	16
ECON221	Micro-economics		16
ECON311	Fiscal and Monetary Policy		16
ECON321	Economic Analysis	ECON211	16
Risk Management			
EKRP211	Introduction to Risk Management		16
EKRP221	Investment Management		16
EKRP311	Bank Risk Management		16
EKRP321	Financial Markets	WISN111/112/123	16
Financial Management			
FINM221	Financial Management Introduction	ACCC121 or ACCF121 (40%) and WISN112/123/111	16

Module code	Descriptive name	Prerequisites	Credits
Information Technology and Computer Science			
ITRW112	Introduction to Programming		12
ITRW123	Graphic Interface Programming I	ITRW112 or ITSP113	12
ITRW124	Programming I	ITRW112 or ITSP114	12
ITRW211	Graphic Interface Programming II	ITRW123	8
ITRW212	Programming II	ITRW124	16
ITRW213	Systems Analysis and Design I	ITRW123 or ITRW124	16
ITRW214	Decision Support Systems I	WISN111 or WISN113	16
ITRW222	Data Structures and Algorithms	ITRW212	16
ITRW225	System Analysis and Design II	ITRW213	16
ITRW311	Databases I	ITRW225 (IT) ITRW222 (BWI)	16
ITRW313	Expert Systems	ITRW211 or ITRW212	8
ITRW315	Communication Skills	Must be registered for any other IT-module on level 3	8
ITRW316	Operating Systems	ITRW222	16
ITRW317	Artificial Intelligence	Must be registered for any other IT-module on level 3	16
ITRW321	Databases II	ITRW311	16
ITRW322	Computer Networks	ITRW316	16
ITRW324	IT Developments	Must be registered for any other IT-module on level 3	16
ITRW325	Decision Support Systems II	ITRW214	16

Module code	Descriptive name	Prerequisites	Credits
Statistics			
STTN111	Descriptive Statistics		12
STTN115	Descriptive Statistics and Inference		12
STTN125	Introductory Probability Theory	STTN115 & WISN111	12
STTN215	Probability Theory	WISN121 &STTN125/STTF225	16
STTN225	Statistical Inference and Data Analysis	STTN215	16
STTN315	Statistical Inference and time series analysis	STTN215 & STTN225	32
STTK321	Linear Models	STTN315	24
STTK322	Statistics Project	STTN315	8
Applied Mathematics			
TGWN223	Numerical Analysis	WISN121	8
Mathematics			
WISN111	Introductory Algebra and Analysis I	Mathematics level 5 (60-69%)	12
WISN113	Basic Mathematical Techniques	Mathematics level 4 (50-59%)	12
WISN121	Introductory Algebra and Analysis II	WISN111	12
WISN211	Analysis III	WISN121	8
WISN212	Linear Algebra I	WISN121	8
WISN224	Analysis IV	WISN211	8
WISN226	Linear Algebra II	WISN212	8
WISN223	Discrete Mathematics	WISN111 or WISN113	8
WISN313	Complex Analysis	WISN224 (WISN221 for pipeline students)	16
WISN323	Real Analysis	WISN224 (WISN221 for pipeline students)	16

Module code	Descriptive name	Prerequisites	Credits
Compulsory Modules			
WVNS211	Understanding the Natural World		12
WVNS221	Science and Society		12
WVES221	Understanding the Economic World		12
WVES311	Applied Ethics		12

Extended Programme Modules			
Module code	**Descriptive name**	**Prerequisites**	**Credits**
ACFS111	Accounting Special		16
ACFS121	Accounting Special	ACFS111 (40%)	16
CTSS111	Critical Thinking Skills		8
ITSP111	Introduction to Problem Solving		12
ITSP121	Introductory Programming Principles		12
ITSP113	Introduction to Graphical Interface Programming		16
ITSP114	Introduction to Object Oriented Programming		16
STTF 115	Descriptive Statistics		12
STTF 125	Introductory Statistical Inference	STTF 115	16
STTF215	Practical Statistics	STTF 125	16
STTF225	Introduction to Probability	STTF215&WISN111	16
WISS111	Introduction to Mathematics I	Mathematics level 3 (40-49%)	12
WISS121	Introduction to Mathematics II	WISS111	12
WISS113	Introduction to Mathematical Techniques I	Mathematics level 3 (40-49%)	12
WISS123	Introduction to Mathematical Techniques II	WISS113	12

E.2.3 RULES FOR THE DIPLOMA IN SPORT SCIENCE

(Programme is phasing out – no intake from 2016)

E.2.3.1 Duration of study

The diploma is presented on a full-time basis.

The duration of study for this qualification is a minimum of three (3) years and a maximum of four (4) years.

Extension of the period of study can take place in accordance with the regulations of Academic Rule 2.4.6.

E.2.3.2 Admission requirements

In addition to the general admission requirements (Academic Rule 2.2) the following entrance requirements apply:

a) The student must be in possession of a National Senior Certificate issued by the South African Certification Authority,

b) An APS score of 16 is required for the diploma. In cases of merit, where the APS score was not obtained, the School of Economic Sciences may, after subjecting to testing, allow entrance.

c) Recognition of prior learning will, where applicable, be granted by the faculty of prior learning in accordance with the university's relevant policy.

d) Entrance to the programme is subject to prior selection, which is managed academically by the School of Economic Sciences.

e) A student who wishes to register for the Diploma in Sport Science must determine his medical competence beforehand.

E.2.3.3 Outcomes

After completion of the Sport Science Programme the student should be able to demonstrate knowledge, skill, value and applied competence in various aspects of one specific sport, by solving a well-defined and outlined problem, and in exemplary practice targeted scenario's or case studies, and to found these at the hand of the necessary theories and literature research.

E.2.3.4 List of modules

Module code	Descriptive name	Prerequisites	Credits
Prescribed modules			
AGLA/E 111	Introduction to Academic Literacy	See Rule 1.2	-
AGLA/E 121	Academic Literacy	AGLA/E 111(40%)	12
WVGW221	Know and Understand the World of Health		12
Psychology			
PSYC121	Social and Community Psychology		12
Sport Sciences			
MBWK112	Motor Learning		12
MBWK216	Biomechanics		8
MBWK218	Introduction to Sport Injuries	MBXR114	8
MBWK223	Ki anthropometry	MBXR114	8
MBWK226	Sport and Exercise Psychology		8
MBXC124	Game Skills Development in Cricket		12
MBXC225	Game Skills Applications in Cricket		16
MBXG114	Coaching Science of Golf		8
MBXH221	Coaching Science of Hockey		8
MBXK124	Generic Coaching Science		12
MBXR112	Supplementation and Ergogenic Aids		12
MBXR114	Basic Anatomy and Energy Systems		12
MBXR214	Sport Physiology in Practice	MBXR114	8
MBXR216	Game Notational Analyses and Preparation		16
MBXR217	Sport Management		8
MBXR218	Sport Commercialisation, Sport Development and Sport Law		16
MBXR219	Sport Organization and Administration		8
MBXC324	Practical Coaching in Cricket		32
MBXT211	Coaching Science of Tennis		8

E.3 CURRICULA OF PROGRAMMES IN THE SCHOOLS

NOTE: Core modules ("Main subjects") are indicated by an (H) next to it.

E.3.1 SCHOOL OF ACCOUNTING SCIENCES

E.3.1.1 Curriculum: Chartered Accountancy (CA) Extended Programme (500 204 – E303V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS112	16	ACCC111 (H)	16	AUDT211 (H)	12	MACC311 (H)	16
WISS112	12	PSDT111	12	MLAW211	12	ACMP311	12
CTSS111	8	MLAW111	12	MACC211 (H)	16		
BMAN111	12	STTF111	12	PETH211	12		
ECON111	12	WISN112	12	TAXC211 (H)	12		
Total 1st semester	**60**	**Total 1st semester**	**64**	**Total 1st semester**	**64**	**Total 1st semester**	**28**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
AGLA/E 121	12	ACCC121 (H)	16	AUDT221 (H)	12	FINM321 (H)	16
ACFS122	16	STTF121	12	MACC221 (H)	16	STRA321	12
WISS122	12	MLAW121	12	FINM221 (H)	16		
BMAN121	12	BRSF121	8	TAXC221 (H)	12		
ECON121	12						
STTN122	12						
Total 2nd semester	**76**	**Total 2nd semester**	**48**	**Total 2nd semester**	**56**	**Total 2nd semester**	**28**
YEAR MODULES:							
				ACCC271 (H)	32	ACCC371 (H)	32
						TAXC371 (H)	32
						AUDT371 (H)	24
				Total Year module	32	Total Year module	88
Total Year level 1	**136**	**Total Year level 2**	**112**	**Total Year level 3**	**152**	**Total Year level 4**	**144**
Total credits for the curriculum							**544**

E.3.1.2 Curriculum: Chartered Accountancy (CA) (500 155 - E371V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCC111 (H)	16	MACC211 (H)	16	MACC311 (H)	16
BMAN111	12	AUDT211 (H)	12	ACMP311	12
ECON111	12	MLAW211	12		
PSDT111	12	PETH211	12		
MLAW111	12	TAXC211 (H)	12		
WISN112	12				
Total first semester	**76**	**Total first semester**	**64**	**Total first semester**	**28**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCC121 (H)	16	AUDT221 (H)	12	FINM321 (H)	16
AGLA/E 121	12	MACC221 (H)	16	STRA321	12
BMAN121	12	FINM221 (H)	16		
ECON121	12	TAXC221 (H)	12		
MLAW121	12				
STTN122	12				
Total second semester	**76**	**Total second semester**	**56**	**Total second semester**	**28**
		YEAR MODULES:			
		ACCC271 (H)	32	ACCC371 (H)	32
				TAXC371 (H)	32
				AUDT371 (H)	24
		Total Year module	**32**	**Total Year module**	**88**
Total Year level 1	**152**	**Total Year level 2**	**152**	**Total Year level 3**	**144**
Total credits for the curriculum					**448**

E.3.1.3 Curriculum: Financial Accountancy (SAIPA) (500 156 - E372V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCF111 (H)	16	ACCF211 (H)	16	MACC311 (H)	16
BMAN111	12	AUDF211(H)	12	ACMP311	12
ECON111	12	MACC211 (H)	16	ACCF311 (H)	16
PSDT111	12	MLAW211	12	TAXF311 (H)	16
MLAW111	12	TAXF211 (H)	12	AUDF311 (H)	12
WISN112	12				
Total first semester	**76**	**Total first semester**	**68**	**Total first semester**	**72**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCF121 (H)	16	ACCF221 (H)	16	FINM321 (H)	16
AGLA/E 121	12	AUDF221 (H)	12	TAXF321 (H)	16
BMAN121	12	TAXF221 (H)	12	ACCF321 (H)	16
ECON121	12	MACC221 (H)	16	AUDF321 (H)	16
STTN122	12	FINM221 (H)	16		
MLAW121	12	WVES221	12		
Total second semester	**76**	**Total second semester**	**84**	**Total second semester**	**64**
Total year level 1	**152**	**Total year level 2**	**152**	**Total year level 3**	**136**
Total credits for the curriculum					**440**

E.3.1.4 Curriculum: Financial Accountancy (SAIPA) Extended Programme (500 215 - E301V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS111	16	ACCF111 (H)	16	ACCF211 (H)	16	MACC311 (H)	16
WISS112	12	PSDT111	12	AUDF211(H)	12	ACMP311	12
CTSS111	8	MLAW111	12	MACC211 (H)	16	ACCF311 (H)	16
BMAN111	12	STTF111	12	MLAW211	12	TAXF311 (H)	16
ECON111	12	WISN112	12	TAXF211 (H)	12	AUDF311 (H)	12
Total 1st semester	**60**	**Total 1st semester**	**64**	**Total 1st semester**	**68**	**Total 1st semester**	**72**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
AGLA/E 121	12	ACCF121 (H)	16	ACCF221 (H)	16	FINM321 (H)	16
ACFS121	16	STTF121	12	AUDF221(H)	12	TAXF321 (H)	16
WISS122	12	MLAW121	12	TAXF221 (H)	12	ACCF321 (H)	16
BMAN121	12	BRSF121	8	MACC221 (H)	16	AUDF321 (H)	16
ECON121	12			FINM221 (H)	16		
STTN122	12			WVES221	12		
Total second semester	**76**	**Total second semester**	**48**	**Total second semester**	**84**	**Total second semester**	**64**
Total Year level 1	**136**	**Total Year level 2**	**112**	**Total Year level 3**	**152**	**Total Year level 4**	**136**
Total credits for the curriculum							**536**

E.3.1.5 Curriculum: Management Accountancy (CIMA) (500 158 - E373V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCC/ACCF111 (H)	16	ACCF211 (H)	16	MACC311 (H)	16
BMAN111	12	AUDF211(H)	12	ACMP311	12
ECON111	12	MACC211 (H)	16	ACCF311 (H)	16
PSDT111	12	MLAW211	12	TAXF311 (H)	16
MLAW111	12	TAXF211 (H)	12	AUDF311 (H)	12
WISN112	12				
Total first semester	**76**	**Total first semester**	**68**	**Total first semester**	**72**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCC/ACCF121(H)	16	ACCF221 (H)	16	FINM321 (H)	16
AGLA/E 121	12	AUDF221(H)	12	TAXF321 (H)	16
BMAN121	12	TAXF221 (H)	12	ACCF321 (H)	16
ECON121	12	MACC221 (H)	16	AUDF321(H)	16
STTN122	12	FINM221 (H)	16	STRA321	12
MLAW121	12	WVES221	12		
Total second semester	**76**	**Total second semester**	**84**	**Total second semester**	**76**
Total Year level 1	**152**	**Total Year level 2**	**152**	**Total Year level 3**	**148**
Total credits for the curriculum					**452**

E.3.1.6 Curriculum: Accounting (500 160 - E334V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCF111 (H)	16	ACCF211 (H)	16	MACC311 (H)	16
BMAN111	12	BMAN211 (H)	16	BMAN311 (H)	16
ECON111	12	MACC211 (H)	16	ACCF311 (H)	16
PSDT111	12	TAXF211 (H)	12	TAXF311 (H)	16
MLAW111	12			WVES311	12
Total first semester	**64**	**Total first semester**	**60**	**Total first semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCF121 (H)	16	ACCF221 (H)	16	FINM321 (H)	16
AGLA/E 121	12	BMAN221 (H)	16	TAXF321 (H)	16
BMAN121	12	TAXF221 (H)	12	ACCF321 (H)	16
ECON121	12	MACC221 (H)	16	BMAN321 (H)	16
STTN122	12	FINM221 (H)	16		
WISN123	12	WVES221	12		
Total second semester	**76**	**Total second semester**	**88**	**Total second semester**	**64**
Total year level 1	**140**	**Total year level 2**	**148**	**Total year level 3**	**140**
Total credits for the curriculum					**428**

E.3.2 SCHOOL OF ECONOMIC SCIENCES

E.3.2.1 Curriculum: Economics and International Trade (500 130 - E340V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS/ACCF111	16	BMAN211 (H)	16	BMAN311 (H)	16
BMAN111 (H)	12	BMAR211	16	ECON311 (H)	16
ECON111 (H)	12	ECON211 (H)	16	EKIP311 (H)	16
PSDT111	12	EKIP211(H)	16	EKRP211 or	16
ITRW112	12			FREB111 or	12
				GERB111	12
				WVES311	12
Total first semester	**64**	**Total first semester**	**64**	**Total first semester**	**72/ 76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS/ACCF121	16	BMAN221 (H)	16	ECON321 (H)	16
AGLA/E121	12	ECON221 (H)	16	ECON322/ BMAN321 (H)	16
BMAN121 (H)	12	EKIP221 (H)	16	EKIP321 (H)	16
ECON121 (H)	12	BMAR221	16	EKRP221 or FREB121 or GERB121	16 12 12
STTN122	12	WVES221	12		
WISN123	12				
Total second semester	**76**	**Total second semester**	**76**	**Total second semester**	**60/ 64**
Total Year level 1	**140**	**Total Year level 2**	**140**	**Total Year level 3**	**132/ 140**
Total credits for the curriculum					**412/ 420**

E.3.2.2 Curriculum: Economics and International Trade Extended Programme (500 217 - E301V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS 111	16	BMAN211(H)	16	EKIP311(H)	16	BMAN311(H)	16
WISS112	12	PSDT111	12	BMAR211	16	ECON311(H)	16
CTSS111	8	ITRW112	12	EKRP211	16	WVES311	12
BMAN111(H)	12	STTF111	12	ECON211(H)	16		
ECON111(H)	12	EKIP211(H)	16				
AGLA/E 111	12						
Total 1st semester	**72**	**Total 1st semester**	**68**	**Total 1st semester**	**64**	**Total 1st semester**	**44**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS121	16	BMAN221(H)	16	ECON221(H)	16	ECON321(H)	16
WISS122	12	STTF121	12	EKRP221	16	ECON322/ BMAN321(H)	16
BMAN121(H)	12	WISN123	12	BMAR221	16	EKIP321(H)	16
ECON121(H)	12	EKIP221(H)	16	WVES221	12		
AGLA/E121	12	BRSF121	8				
STTN122	12						
Total 2nd semester	**76**	**Total 2nd semester**	**64**	**Total 2nd semester**	**60**	**Total 2nd semester**	**48**
Total Year level 1	**148**	**Total Year level 2**	**132**	**Total Year level 3**	**124**	**Total Year level 4**	**92**
Total credits for the curriculum							**496**

E.3.2.3 Curriculum: Economics and Risk Management Extended Programme (500 214 – E302V)

Year level 1		Year level 2		Year level 3		Year level 4	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS111	16	ACCF111	16	ACCF211	16	ECON311(H)	16
BMAN111	12	BMAN211	16	ECON211(H)	16	EKIP311(H)	16
CTSS111	8	WISN112	12	EKIP211(H)	16	EKRP311(H)	16
ECON111(H)	12	PSDT111	12	EKRP211 (H)	16	WVES311	12
WISS112	12	STTF111	12			BMAN311	16
Total 1st semester	**60**	**Total 1st semester**	**68**	**Total 1st semester**	**64**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
AGLA/E 121	12	ACCF121	16	ACCF221	16	EKIP321(H)	16
ACFS121	16	ECON221(H)	16	EKIP221(H)	16	ECON321(H)	16
BMAN121	12	BRSF121	8	EKRP221(H)	16	ECON322	16
ECON121(H)	12	STTF121	12	BMAR221	16	EKRP321(H)	16
STTN122	12	WVES221	12			BMAN321	16
WISS122	12						
Total 2nd semester	**76**	**Total 2nd semester**	**64**	**Total 2nd semester**	**64**	**Total 2nd semester**	**80**
Total year level 1	**136**	**Total year level 2**	**132**	**Total year level 3**	**128**	**Total year level 4**	**156**
Total credits for the curriculum							**552**

E.3.2.4 Curriculum: Economics and Risk Management (500 132 - E341V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS*/ACCF111	16	ACCF211	16	ECON311 (H)	16
BMAN111	12	BMAN211	16	EKIP311 (H)	16
ECON111 (H)	12	ECON211 (H)	16	EKRP311 (H)	16
PSDT111	12	EKIP211 (H)	16	BMAN311	16
WISN112	12	EKRP211 (H)	16	WVES311	12
Total 1st semester	**64**	**Total 1st semester**	**80**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS*/ACCF121	16	ACCF221	16	ECON321 (H)	16
AGLA/E 121	12	ECON221 (H)	16	ECON322	16
BMAN121	12	EKIP221 (H)	16	EKIP321 (H)	16
ECON121 (H)	12	EKRP221 (H)	16	EKRP321 (H)	16
STTN122	12	BMAR221	16	BMAN321	16
		WVES221	12		
Total 2nd semester	**64**	**Total 2nd semester**	**92**	**Total 2nd semester**	**80**
Total Year level 1	**128**	**Total Year level 2**	**172**	**Total Year level 3**	**156**
Total credits for the curriculum					**456**

* Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121 (additional) in the first year, and for ACCF 111 & 121, and ACCF 211 & 221, in the second and third years, respectively. There should be no time table clashes.

E.3.2.5 Curriculum: Economics, Risk- and Investment Management (500 134 – E342V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS*/ACCF111	16	ACCF211	16	EKIP311(H)	16
BMAN111	12	ECON211 (H)	16	ECON311 (H)	16
ECON111 (H)	12	EKIP211 (H)	16	EKRP311 (H)	16
PSDT111	12	EKRP211 (H)	16	BMAN311	16
STTN115	12	STTN215	16	WVES311	12
WISN111	12				
Total 1st semester	**76**	**Total 1st semester**	**80**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS*/ACCF121	16	ACCF221	16	EKIP321 (H)	16
AGLA/E 121	12	ECON221 (H)	16	ECON321 (H)	16
BMAN121	12	EKIP221 (H)	16	ECON322	16
ECON121 (H)	12	EKRP221 (H)	16	EKRP321 (H)	16
STTN125	12	BMAR221	16	BMAN321	16
WISN121	12	WVES221	12		
Total 2nd semester	**76**	**Total 2nd semester**	**92**	**Total 2nd semester**	**80**
Total Year level 1	**152**	**Total Year level 2**	**172**	**Total Year level 3**	**156**
Total credits for the curriculum					**480**

If an honours degree in International Trade is your aim, you must register for EKIP311 &321.

* Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121 (additional) in the first year, and for ACCF 111 & 121, and ACCF 211 & 221, in the second and third years, respectively. There should be no time table clashes.

E.3.2.6 Curriculum: Economics and Informatics (500 135 - E343V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
*ACCS/ACCF111	16	ECON211 (H)	16	ECON311 (H)	16
BMAN111	12	EKRP211 (H)	16	EKRP311 (H)	16
ECON111 (H)	12	ITRW211 (H)	8	ITRW214 (H)	16
ITRW112 (H)	12	ITRW213 (H)	16	ITRW311 (H)	16
PSDT111	12	MACC211	16	WVES311	12
WISN112	12				
Total 1st semester	**76**	**Total 1st semester**	**72**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
*ACCS/ACCF121	16	ECON221 (H)	16	ECON321 (H)	16
AGLA/E 121	12	EKRP221 (H)	16	ECON322 (H)	16
BMAN121	12	ITRW 225 (H)	16	EKRP321 (H)	16
ECON121 (H)	12	MACC221	16	ITRW321 (H)	16
ITRW123 (H)	12	WVES221	12	ITRW325 (H)	16
STTN122	12				
Total 2nd semester	**76**	**Total 2nd semester**	**76**	**Total 2nd semester**	**80**
Total Year level 1	**152**	**Total Year level 2**	**148**	**Total Year level 3**	**156**
Total credits for the curriculum					**456**

* Students who do not have Grade 12 Accounting will have to register for ACCS111 & 121

E.3.2.7 Curriculum: Entrepreneurship and Business Management (500 142 - E350V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111	16	BMAN211 (H)	16	BMAN311 (H)	16
BMAN111 (H)	12	BMAN212 (H)		BMAN312 (H)	16
ECON111	12	LARM211 (H)	16	BMAR311	16
ITRW112	12	ECON211	16	LARM311 (H)	16
PSDT111	12			WVES311	12
Total 1st semester	**64**	**Total 1st semester**	**64**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS121	16	BMAN221 (H)	16	BMAN321 (H)	16
AGLA/E 121	12	BMAN222 (H)	16	BMAR321	16
BMAN121 (H)	12	BMAR221	16	BMAR322	16
ECON121	12	LARM221 (H)	16	LARM321 (H)	16
STTN122	12	ECON221	16		
WISN123	12	WVES221	12		
Total 2nd semester	**76**	**Total 2nd semester**	**92**	**Total 2nd semester**	**64**
Total Year level 1	**140**	**Total Year level 2**	**156**	**Total Year level 3**	**140**
Total credits for the curriculum					**436**

E.3.2.8 Curriculum: Marketing Management (500 203 - E354V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111	16	BMAN211 (H)	16	BMAN311 (H)	16
BMAN111 (H)	12	BMAN212	16	BMAR311 (H)	16
ECON111	12	BMAR211 (H)	16	BMAR312 (H)	16
ITRW112	12	ECON211	16	EKIP311 (H)	16
PSDT111	12	EKIP211 (H)	16	WVES311	12
Total 1st semester	**64**	**Total 1st semester**	**80**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS121	16	BMAN221 (H)	16	BMAN321 (H)	16
AGLA/E 121	12	BMAR221 (H)	16	BMAR321 (H)	16
BMAN121 (H)	12	ECON221	16	BMAR322 (H)	16
ECON121	12	EKIP221 (H)	16	EKIP321 (H)	16
STTN122	12	WVES221	12		
WISN123	12				
Total 2nd semester	**76**	**Total 2nd semester**	**76**	**Total 2nd semester**	**64**
Total Year level 1	**140**	**Total Year level 2**	**156**	**Total Year level 3**	**140**
Total credits for the curriculum					**436**

E.3.2.9 Curriculum: Marketing Management Extended Programme (500 206 – E301V)

Year level 1		Year level 2		Year level 3		Year level 4	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS111	16	BMAN211(H)	16	EKIP311(H)	16	BMAN311(H)	16
WISS112	12	STTF111	12	BMAR211(H)	16	BMAR311(H)	16
CTSS111	8	ITRW112	12	BMAN212	16	BMAR312(H)	16
BMAN111(H)	12	EKIP211(H)	16	ECON211	16	WVES311	12
ECON111	12	PSDT111	12				
AGLA/E111	12						
Total 1st semester	**72**	**Total 1st semester**	**68**	**Total 1st semester**	**64**	**Total 1st semester**	**60**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
AGLA/E 121	12	BMAN221(H)	16	ECON221	16	BMAN321(H)	16
ACFS121	16	STTF121	12	EKIP321(H)	16	BMAR321(H)	16
WISS122	12	WISN123	12	BMAR221(H)	16	BMAR322(H)	16
BMAN121(H)	12	EKIP221(H)	16	WVES221	12		
ECON121	12	BRSF121	8				
STTN122	12						
Total 2nd semester	**76**	**Total 2nd semester**	**64**	**Total 2nd semester**	**60**	**Total 2nd semester**	**48**
Total Year level 1	**148**	**Total Year level 2**	**132**	**Total Year level 3**	**124**	**Total Year level 4**	**108**
Total credits for the curriculum							**512**

E.3.2.10 Curriculum: Sport and Recreation Management (500 150 - E301V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111	16	BMAN211 (H)	16	BMAN311 (H)	16
BMAN111 (H)	12	BMAR211 (H)	16	BMAR311 (H)	16
ECON111	12	MBXR217	8	RKKX314 (H)	16
MBXR218	16	RKKX214 (H)	16	BMAR312 (H)	16
RKKX113 (H)	12	MBXR219	8	WVES311	8
Total 1st semester	**68**	**Total 1st semester**	**64**	**Total 1st semester**	**72**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
STTN122	8	BMAN221 (H)	16	BMAR321 (H)	16
AGLA/E 121	12	BMAN222 (H)	16	BMAR322 (H)	16
BMAN121 (H)	12	BMAR221 (H)	16	BMAN321 (H)	16
ECON121	12	WVES221	12	RKKX325 (H)	16
RKKX123 (H)	12				
Total 2nd semester	**56**	**Total 2nd semester**	**60**	**Total 2nd semester**	**64**
Total Year level 1	**124**	**Total Year level 2**	**124**	**Total Year level 3**	**136**
Total credits for the curriculum					**384**

E.3.2.11 Curriculum: Law (500 183 - R302V)

*Owing to specific capacity constraints, this programme is not presented part-time.

Year level 1 (2013)		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111*/ACCF111 (H)	16	IURI211 (H)	12	IURI213 (H)	12
BMAN111 (H)	12			IURI311 (H)	12
ECON111 (H)	12			IURI412 (H)	12
IURI111 (H)	12	CHOOSE two from: BMAN211 or ECON211 or ACCF211 (H)	32	*CHOOSE one from::* BMAN311 or ECON311 or ACCF311 (H)	16
Total 1st semester	**52**	**Total 1st semester**	**44**	**Total 1st semester**	**52**
Year level 1 (2013)		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	Cr	**Module code**	Cr	**Module code**	Cr
ACCS121*/ACCF121 (H)	16	IURI121 (H)	12	IURI222 (H)	12
AGLA/AGLE121	12	IURI221 (H)	12	IURI223 (H)	12
BMAN121 (H)	12	*CHOOSE Iwo from:* BMAN221 or ECON221 or ACCF221 (H)	32	*CHOOSE one from:* BMAN321 or ECON321 or ACCF321 (H)	16
ECON121 (H)	12				
WISN123/STTN122	12				
Total 2nd semester	**64**	**Total 2nd semester**	**56**	**Total 2nd semester**	**40**
Year Modules					
IURI171 (H)	16	IURI172 (H)	16	IURI273 (H)	16
IURI173 (H)	16	IURI174 (H)	16	IURI274 (H)	16
		IURI272 (H)	16	IURI373 (H)	16
Total year modules	**32**	**Total year modules**	**48**	**Total year modules**	**48**
Total year level 1	**148**	**Total year level 2**	**148**	**Total year level 3**	**140**
Total credits for the curriculum					**436**

* Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121 (additional) in the first year, and for ACCF 111 & 121, and ACCF 211 & 221, in the second and third years, respectively

Students who will choose ECON as a core module must take WISN123 on first year level.

** If an honours in Economics is considered then ECON322 must be taken additional.

** Students who take ACCF211 should have passed ACCF111 &121.

** Students who take ACCF221 should have at least 40% for ACCF211

** Students who take ACCF311 should have passed ACCF211&221

** Students who take ACCF321 should have at least 40% for ACCF311

E.3.2.12 Curriculum: Sport Science (832 100 - G101V)

*** Programme is phasing out, no intake for 2016**

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
MBXR114	12	MBXT211	8	MBWK218	8
MBXR112	12	MBWK216	8	MBXR219	8
MBWK112	12	MBXG114	8	MBXR217	8
		MBXR216	16	MBXR218	16
		MBXR214	8		
Total 1st semester	**36**	**Total 1st semester**	**48**	**Total 1st semester**	**40**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
PSYC121	12	MBWK223	8	MBWK226	**8**
MBXK124	12	MBXH221	8	MBXC324	32
MBXC124	12	WVGW221	12		
AGLA E 121	12	MBXC225	16		
Total 2nd semester	**48**	**Total 2nd semester**	**44**	**Total 2nd semester**	**40**
Total year level 1	**84**	**Total year level 2**	**92**	**Total year level 3**	**80**
Total credits for the curriculum					**256**

E.3.3 SCHOOL OF BEHAVIOURAL SCIENCES

E.3.3.1 Curriculum: Industrial Psychology and Labour Relations Management (500153 E360V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111	16	IOPS211(H)	16	BMAN211	16
BMAN111	12	LARM211(H)	16	IOPS311(H)	16
ECON 111	12	PSYC211	16	LARM311(H)	16
IOPS 111(H)	12	PSYC212	16	PSYC311	16
LARM111(H)	12	STTN111	12	WVES311	12
Total 1st semester	**64**	**Total 1st semester**	**76**	**Total 1st semester**	**76**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS121	16	IOPS221(H)	16	BMAR221	16
AGLA/E 121	12	LARM221(H)	16	IOPS321(H)	16
BMAN121	12	PSYC221	16	LARM321(H)	16
ECON121	12	STTN124	12	*LARM322	16
IOPS121(H)	12	WVES221	12	PSYC321	16
PSYC121	12				
Total 2nd semester	**76**	**Total 2nd semester**	**72**	**Total 2nd semester**	**64/ 80**
Total year level 1	**140**	**Total year level 2**	**148**	**Total year level 3**	**140/ 156**
Total credits for the curriculum					**428/ 444**

*Students who want to continue with Honours B Com in Labour Relations Management must register and pass LARM322.

E.3.3.2 Curriculum: Human Resource Management (500 151 - E361V)

Year level 1		**Year level 2**		**Year level 3**	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
IOPS111(H)	12	IOPS211(H)	16	IOPS311(H)	16
LARM111(H)	12	BMAN211	16	BMAN311	16
BMAN111	12	LARM211(H)	16	LARM311(H)	16
ECON111	12	STTN111	12	WVES311	12
ACCS111	16				
Total 1st semester	**64**	**Total 1st semester**	**60**	**Total 1st semester**	**60**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
IOPS121(H)	12	IOPS221(H)	16	IOPS321(H)	16
HRMA122	12	STTN124	12	LARM321(H)	16
BMAN121	12	LARM221(H)	16	LARM322	16
ECON121	12	WVES221	12	BMAN321	16
ACCS121	16	BMAN221	16		
AGLA/E 121	12				
Total 2nd semester	**76**	**Total 2nd semester**	**72**	**Total 2nd semester**	**64**
Total year level 1	**140**	**Total year level 2**	**132**	**Total year level 3**	**124**
Total credits for the curriculum					**396**

E.3.4 SCHOOL OF INFORMATION TECHNOLOGY

The School of Information Technology presents the following programmes on a full-time basis:

Programme: Information Technology

Programme: Computer and Mathematical Sciences

Programme: Quantitative Risk Management

Programme: Financial Mathematics

Programme: Data Mining/Business Analytics

E.3.4.1 Language medium for teaching-learning

The full-time undergraduate programme in Information Technology is presented in English and in Afrikaans, both with the aid of interpreting services. Examinations, assessments and correspondence may be conducted in English or Afrikaans, according to the preference of the student.

The full-time undergraduate programmes in Computer and Mathematical Sciences, Quantitative Risk Management, Financial Mathematics and Data Mining/Business Analytics are presented in English. Examinations, assessments and correspondence will be conducted only in English.

Students may only with the consent of the school directors concerned change from one programme to another, or change the curriculum within the programme for which they are registered.

E.3.4.2 Curriculums

The curriculums of all the programmes are composed from the list of modules in 2.2.5.

In the case where students have to repeat one or more modules at a specific year level of a curriculum, the following apply:

- The total number of credits of the modules taken by a student in any semester at any year level, also by the student who has to repeat modules, is limited in accordance with the Academic Rules.
- The Faculty cannot undertake that modules that have to be repeated and the other modules that must be taken will all fit in the class schedule. Clashes that arise because of modules that have to be repeated will result in the student having to take those modules in a future year.
- If a student has not completed the modules of a specific year level of the curriculum for which he/she enrolled in the minimum prescribed period of study, and the modules of the specific year level of the curriculum have since been changed, the Dean may decide that the student must complete the relevant year level as published in the latest edition of the Calendar. This means that if a student must repeat a module that has since been replaced by another module, the Dean may decide that the student must take the latter module.

E.3.4.3 Information Technology (264 100 - N150V)

This curriculum provides a good basic training in Information Technology. In the composition of the curriculum, consideration was given to career opportunities and the human resource needs of our country. This curriculum furthermore prepares the student

for postgraduate study (Hons BSc and MSc), and is recommended in view of registration with the South African Council for Scientific Professions (SACSP).

E.3.4.4 Outcomes

On completion of this curriculum students should:

a) be able to integrate the basic knowledge and techniques of the curriculum they have completed to investigate situations pertaining to the curriculum and to solve related problems;

b) contribute in a professional manner and according to modern, acceptable methodologies to the design, development and delivery of computer systems in accordance with business needs and principles;

c) contribute meaningful to the management of information and information sources on the basis of his knowledge and understanding of appropriate concepts, structures, models, theories, principles and research methods;

d) solve Information Technology (IT) relevant problems in the context of approaches and techniques of other appropriate disciplines by means of a thorough, practice-directed knowledge of and insight into the field of IT;

e) realise the necessity to ensure continuing competency and to remain at the forefront of the latest technology and techniques, and as a lifelong student to stay involved with these by means of established and well-developed learning skills;

f) understand the process of entrepreneurship and to identify, create and make opportunities materialise in practice;

g) be in a position to continue with postgraduate study.

E.3.4.5 Articulation

a) On successful completion of the curriculum, graduates who performed satisfactorily will immediately have access to honours study.

b) Credit will be given for modules passed in other faculties or at other universities, on condition that such modules contribute to the outcomes and total credit requirements of the relevant curriculum.

c) With the basic and practical skills in information technology that have been acquired through this curriculum, the student will be equipped to continue with further learning at other institutions

Other rules

a) ACCS111 must be taken by students who did not take Accountancy up to grade 12 level. ACCF111 must be taken by students who did have Accountancy up to grade 12 level. Students who achieved less than level3 for school accounting are advised to also take ACCS111.

b) ACCS121 must be taken by students who did not take Accountancy up to grade 12 level. ACCF121 must be taken by students who did have Accountancy up to grade 12 level. Students who achieved less than level3 for school accounting are advised to also take ACCS111.

E.3.4.6 Curriculum Information Technology (264 100 - N150V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111*/ACCF111	16	ITRW211 (H)	8	ITRW311 (H)	16
BMAN111	12	ITRW212 (H)	16	ITRW313 (H)	8
ITRW112 (H)	12	ITRW213 (H)	16	ITRW315 (H)	8
STTN111	12	ITRW214 (H)	16	ITRW316 (H)	16
WISN111 or WISN113	12	WVNS211	12	ITRW317 (H)	16
Total 1st semester	**64**	**Total 1st semester**	**68**	**Total 1st semester**	**64**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS121 or ACCF121	16	BMAN222	16	ITRW321 (H)	16
AGLA/E 121	12	ITRW222 (H)	16	ITRW322 (H)	16
ITRW123 (H)	12	ITRW225 (H)	16	ITRW324 (H)	16
ITRW124 (H)	12	WISN223	8	ITRW325 (H)	16
STTN121	12	WVNS221	12		
Total 2nd semester	**64**	**Total 2nd semester**	**68**	**Total 2nd semester**	**64**
Total year level 1	**128**	**Total year level 2**	**136**	**Total year level 3**	**128**
Total credits for the curriculum					**392**

* Students who did not have Grade 12 Accounting, will have to register for ACCS111 & ACCS121

E.3.4.7 Curriculum: Information Technology Extended Programme (264 102 - N302V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
BMAN111	12	ACFS111	16	ITRW211 (H)	8	ITRW311 (H)	16
ITSP111	12	ITSP113	16	ITRW212 (H)	16	ITRW313 (H)	8
STTN111	12	ITSP114	16	ITRW213 (H)	16	ITRW315 (H)	8
WISS113	12	WISN113	12	ITRW214 (H)	16	ITRW316 (H)	16
				WVNS211	12	ITRW317 (H)	16
Total 1st semester	**48**	**Total 1st semester**	**60**	**Total 1st semester**	**68**	**Total 1st semester**	**64**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**		**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
AGLA/E121	12	ACFS121	16	ITRW222 (H)	16	ITRW321 (H)	16
ITSP121	12	BMAN222	16	ITRW225 (H)	16	ITRW322 (H)	16
STTN121	12	ITRW123 (H)	12	WISN223	8	ITRW324 (H)	16
WISS123	12	ITRW124 (H)	12	WVNS221	12	ITRW325 (H)	16
Total 2nd semester	**48**	**Total 2nd semester**	**56**	**Total 2nd semester**	**52**	**Total 2nd semester**	**64**
Total Year level 1	**96**	**Total Year level 2**	**116**	**Total Year level 3**	**120**	**Total Year level 4**	**128**
Total credits for the curriculum							**460**

E.3.4.8 Computer Science and Statistics (200 191 - N156V)

This is the first curriculum of the programme Computer and Mathematical Sciences.

Programme outcomes

The goal of the programme Computer and Mathematical Sciences is to deliver graduates in an outcomes-based programme in the subjects Computer Science, Statistics and Economics. Graduates who have completed this programme will be able to serve nationally as programmers, systems analysts and database administrators. The qualification will equip graduates with degree level expertise and appropriate skills in the field of computer science. A worldwide shortage, especially in South Africa, of well-qualified and equipped human resources exists, especially in the field of mathematics. The programme delivers graduates who have the ability to apply their proficiency in the economic sector of the country.

The graduates who have completed this programme will be able to serve in the financial sector, IT business, industry and education. Depending on their focus within this program, they will be ready to continue postgraduate studies in computer, mathematical and economic sciences.

See paragraph 1.3.1 for admission requirements.

E.3.4.9 Curriculum: Computer Science and Statistics (200 191 - N156V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ECON111	12	ITRW212 (H)	16	ITRW311 (H)	16
ITRW112 (H)	12	STTN215 (H)	16	ITRW316 (H)	16
STTN115 (H)	12	WISN211	8	STTN315 (H)	32
WISN111	12	WISN212	8		
AGLA/E111	12	WVNS211	12		
Total 1^{s} semester	**60**	**Total 1^{s} semester**	**60**	**Total 1^{s} semester**	**64**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
AGLA/E 121	12	ITRW222 (H)	16	ITRW321 (H)	16
ITRW124 (H)	12	STTN225 (H)	16	ITRW322 (H)	16
STTN125 (H)	12	WISN224	8	STTK321 (H)	24
ECON121	12	WISN226	8	STTK322 (H)	8
WISN121	12	WVNS221	12		
Total 2nd semester	**60**	**Total 2nd semester**	**60**	**Total 2nd semester**	**64**
Total year level 1	**120**	**Total year level 2**	**120**	**Total year level 3**	**128**
Total credits for the curriculum					**368**

E.3.4.10 Computer Science and Economics (200 191 - N175V)

This is the second curriculum of the programme Computer and Mathematical Sciences.

Programme outcomes

The goal of the programme Computer and Mathematical Sciences is to deliver graduates in an outcomes-based programme in the subjects Computer Science, Statistics and Economics. Graduates who have completed this programme will be able to serve nationally as programmers, systems analysts and database administrators. The qualification will equip graduates with degree level expertise and appropriate skills in the field of computer science. A worldwide shortage, especially in South Africa, of well-qualified and equipped human resources exists, especially in the field of mathematics. The programme delivers graduates who have the ability to apply their proficiency in the economic sector of the country.

The graduates who have completed this programme will be able to serve in the financial sector, IT business, industry and education. Depending on their focus within this program, they will be ready to continue postgraduate studies in computer, mathematical and economic sciences.

See paragraph 1.3.1 for admission requirements.

E.3.4.11 Curriculum: Computer Science and Economics (200 191 - N175V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111* or ACCF111	16	ECON211 (H)	16	ECON311 (H)	16
ECON111 (H)	12	ITRW212 (H)	16	EKRP311 (H)	16
ITRW112 (H)	12	WISN211	8	ITRW311 (H)	16
WISN111	12	WISN212	8	ITRW316 (H)	16
AGLA/E111	12	WVNS211	12		
Total 1^{s} semester	**64**	**Total 1^{s} semester**	**60**	**Total 1^{s} semester**	**64**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS121* or ACCF121	16	ECON221 (H)	16	ECON321 (H)	16
AGLA/E 121	12	ITRW222 (H)	16	EKRP321 (H)	16
ECON121 (H)	12	WISN224	8	ITRW321 (H)	16
ITRW124 (H)	12	WISN226	8	ITRW322 (H)	16
WISN121	12	WVNS221	12		
Total 2nd semester	**64**	**Total 2nd semester**	**60**	**Total 2nd semester**	**64**
Total year level 1	**128**	**Total year level 2**	**120**	**Total year level 3**	**128**
Total credits for the curriculum					**376**

*Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121

E.3.4.12 Quantitative Risk Management (200 166 - N134V)

This is the curriculum of the programme Quantitative Risk Management.

Curriculum outcomes

In addition to the outcomes discussed for the BSc qualification in paragraph 2.2.3 the student will, on successful completion of the curriculum, also have the following specific knowledge and skills:

Knowledge

- Functioning of an economy, introductory micro- and macroeconomics, determining the national income and the influence of different policy measures on it, national accountancy concepts and the macro-equilibrium equation, economic conjuncture and stabilisation, transferring funds between countries, exchange rate systems, balance of payment and international monetary system; monetary policy in South Africa.
- The impact of the asset and liability management of banks on the national economy. Risk, liquidity policy, lending policy, liability management and the apportionment of capital by banks, the South African futures market. Functioning of derivative instruments and their application to risk hedging.
- The nature, aim and basic theory of accountancy. Financial statements, fixed assets and depreciation. Control, departmental and manufacturing accounts. Partnerships, close corporations and appropriate GAAP viewpoints.
- Probability theory, sampling theory and techniques, and statistical inference.
- Theory and topology of real numbers and finite dimensional vector spaces, algebraic and measurable spaces, integrals of measurable functions and monotone convergence, linear transformations between general vector spaces, complex functions, ordinary and partial linear differential equations, optimisation.
- Basic computer literacy, object-directed programming language, artificial intelligence, data structures and algorithms, and modern IT developments.

Skills

- The ability to identify and solve convergent and divergent quantitative risk management problems in a creative and pro-active manner.
- In-depth knowledge of and insight into the financial markets and financial risk instruments and related problems, together with the ability to solve problems in interaction with other disciplines.
- The ability to identify and develop quantitative financial risk, computer and data analysis techniques and/or approaches on an entrepreneurial basis with a view to managing financial risks.
- The ability to work efficiently as an individual or in a team in an organisation in order to address quantitative financial risk management problems.
- The ability to organise and manage own activities in a responsible and efficient manner to attain desired aims.
- The ability to handle questionnaires, meaningful data collecting methods, data presentation methods and exploratory data evaluation by using amongst others statistical computer software (e.g. Statistica, S-Plus and SAS), as well as standard executive inference methods over wide range.

- The ability to prepare and present written an oral reports and presentations professionally.
- Mathematical modelling of practical problems by using partial differential equations, combinatory mathematics, linear programmes and optimisation methods, together with computerised implementation where applicable.
- Programming in a modern high-level language, together with the ability to analyse and design computer systems and algorithms.
- The ability to handle database management systems with ease.

Articulation possibilities

The programme grants admission to postgraduate studies in Hons BSc Business Mathematics and Informatics (BMI) programmes and may grant admission to honours studies in Economics, Statistics or Computer Science.

See paragraph 1.3.1 for admission requirements.

E.3.4.13 Curriculum: Quantitative Risk Management (200 166 - N134V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCC111*/ ACCF111	16	ECON211 (H)	16	BWIA313 (H)	24
BWIA111 (H)	12	EKRP211 (H)	16	EKRP311 (H)	16
ECON111 (H)	12	STTN215 (H)	16	STTN315 (H)	32
ITRW112	12	WISN211	8		
STTN115 (H)	12	WISN212	8		
WISN111	12	WVES311	12		
Total 1s semester	**76**	**Total first1s semester**	**76**	**Total 1s semester**	**72**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCC121*/ ACCF121	16	EKRP221 (H)	16	BWIN321 (H)	16
AGLA/E 121	12	STTN225 (H)	16	EKRP321 (H)	16
BWIA121 (H)	12	TGWN223	8	FINM221	16
ECON121 (H)	12	WISN226	8	STTK321 (H)	24
ITRW123	12	WVES221	12	STTK322 (H)	8
STTN125 (H)	12				
WISN121	12				
Total 2nd semester	**88**	**Total 2nd semester**	**60**	**Total 2nd semester**	**80**
		Year module			
		BWIA271 (H)	32		
Total year level 1	**164**	**Total year level 2**	**168**	**Total year level 3**	**152**
Total credits for the curriculum					**484**

*Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121

E.3.4.14 Curriculum: Quantitative Risk Management Extended Programme (200 207- N301V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS111	16	ACCF111	16	ECON211 (H)	16	BWIA313 (H)	24
ECON111 (H)	12	BWIA111 (H)	12	STTN215 (H)	16	EKRP311 (H)	16
ITRW112	12	EKRP211 (H)	16	WISN211	8	STTN315 (H)	32
STTF115	12	STTF215	16	WISN212	8		
WISS111	12	WISN111	12	WVES311	12		
Total 1^{s} semester	**64**	**Total1 semester**	**72**	**Total 1^{s} semester**	**60**	**Total 1^{s} semester**	**72**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS121	16	ACCF121	16	FINM221	16	BWIN321 (H)	16
AGLA/E121	12	BWIA121 (H)	12	STTN225 (H)	16	EKRP321 (H)	16
ECON121 (H)	12	EKRP221 (H)	16	TGWN223	8	STTK321 (H)	24
ITRW123	12	STTF225	16	WISN226	8	STTK322	8
STTF125	12	WISN121	12				
WISS121	12	WVES221	12				
Total 2nd semester	**76**	**Total 2nd semester**	**84**	**Total 2nd semester**	**48**	**Total 2nd semester**	**64**
				Year module			
				BWIA271 (H)	32		
Total Year level 1	**140**	**Total Year level 2**	**156**	**Total Year level 3**	**140**	**Total Year level 4**	**136**
Total credits for the curriculum							**572**

E.3.4.15 Curriculum: Financial Mathematics (200 167 - N135V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
*ACCS111/ ACCF111	16	ECON211	16	BWIA313 (H)	24
BWIA111 (H)	12	EKRP211	16	STTN315 (H)	32
ECON111	12	STTN215 (H)	16	WISN313 (H)	16
ITRW112	12	WISN211 H)	8		
STTN115 (H)	12	WISN212 (H)	8		
WISN111 (H)	12	WVES311	12		
Total 1^{s} semester	**76**	**Total 1^{s} semester**	**76**	**Total 1^{s} semester**	**72**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS121*/ ACCF121	16	EKRP221	16	BWIN321 (H)	16
AGLA/E 121	12	STTN225 (H)	16	STTK321 (H)	24
BWIA121 (H)	12	TGWN223	8	STTK322 (H)	8
ECON121	12	WISN224 (H)	8	WISN323 (H)	16
ITRW123	12	WISN226 (H)	8		
STTN125 (H)	12	WVES221	12		
WISN121 (H)	12				
Total 2nd semester	**88**	**Total 2nd semester**	**68**	**Total 2nd semester**	**64**
		Year module			
		BWIA271 (H)	32		
Total year level 1	**164**	**Total year level 2**	**176**	**Total year level 3**	**136**
Total credits for the curriculum					**476**
*Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121					

E.3.4.16 Curriculum: Financial Mathematics Extended Programme (200 208 – N301V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS111	16	BWIA111(H)	12	STTN215(H)	16	BWIA313(H)	24
ECON111	12	ECON211	16	WISN211(H)	8	STTN315(H)	32
ITRW112	12	EKRP211	16	WISN212(H)	8	WISN313(H)	16
STTF115	12	STTF215	16	WVES311	12		
WISS111	12	WISN111(H)	12				
Total 1^{s} semester	**64**	**Total 1^{s} semester**	**72**	**Total 1^{s} semester**	**44**	**Total 1^{s} semester**	**72**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS121	16	BWIA121(H)	12	STTN225(H)	16	BWIN321(H)	16
AGLA/E121	12	EKRP221	16	TGWN223	8	STTK321(H)	24
ECON121	12	STTF225	16	WISN224(H)	8	STTK322(H)	8
ITRW123	12	WISN121(H)	12	WISN226(H)	8	WISN323(H)	16
STTF125	12	WVES221	12				
WISS121	12						
Total 2nd semester	**76**	**Total 2nd semester**	**68**	**Total 2nd semester**	**40**	**Total 2nd semester**	**64**
				Year module			
				BWIA271(H)	32		
Total Year level 1	**140**	**Total Year level 2**	**140**	**Total Year level 3**	**116**	**Total Year level 4**	**136**
Total credits for the curriculum							**532**

E.3.4.17 Curriculum: Data Mining/Business Analytics (200 168 - N136V)

Year level 1		Year level 2		Year level 3	
First semester		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACCS111*/ACCF111	16	ITRW212 (H)	16	ITRW317 (H)	16
		ITRW213 (H)	16	ITRW311 (H)	16
BWIA111 (H)	12	ITRW214 (H)	16	STTN315 (H)	32
ECON111	12	STTN215 (H)	16		
ITRW112 (H)	12	WISN211	8		
STTN115 (H)	12	WISN212	8		
WISN111	12	WVES311	12		
Total 1^{s} semester	**76**	**Total 1^{s} semester**	**92**	**Total 1^{s} semester**	**64**
Year level 1		**Year level 2**		**Year level 3**	
Second semester		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS121*/ ACCF121	16	ITRW222 (H)	16	ITRW325 (H)	16
AGLA/E121	12	STTN225 (H)	16	ITRW321 (H)	16
BWIA121 (H)	12	TGWN223	8	STTK321 (H)	24
ECON121	12	WISN226	8	STTK322 (H)	8
ITRW124 (H)	12	WVES221	12		
STTN125 (H)	12	ITRW123 (H)	12		
WISN121	12				
Total 2nd semester	**88**	**Total 2nd semester**	**72**	**Total 2nd semester**	**64**
Total year level 1	**164**	**Total year level 2**	**164**	**Total year level 3**	**128**
Total credits for the curriculum					**452**
*Students who did not have Grade 12 Accounting, will have to register for ACCS111 & 121					

E.3.4.18 Curriculum: Data Mining/Business Analytics Extended Programme (200 198-N302V)

Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
First semester		**First semester**		**First semester**		**First semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS111	16	BWIA111(H)	12	ITRW214(H)	16	ITRW311(H)	16
ECON111	12	ITRW212(H)	16	STTN215(H)	16	ITRW317(H)	16
ITRW112(H)	12	ITRW213(H)	16	WISN211	8	STTN315(H)	32
STTF115	12	STTF215	16	WISN212	8		
WISS111	12	WISN111	12	WVES311	12		
Total 1^{s} semester	**64**	**Total 1^{s} semester**	**72**	**Total 1^{s} semester**	**60**	**Total 1^{s} semester**	**64**
Year level 1		**Year level 2**		**Year level 3**		**Year level 4**	
Second semester		**Second semester**		**Second semester**		**Second semester**	
Module code	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**	**Module code**	**Cr**
ACFS121	16	BWIA121(H)	12	ITRW325(H)	16	ITRW321(H)	16
AGLA/E121	12	ECON121	12	STTN225(H)	16	STTK321(H)	24
ITRW123(H)	12	ITRW222(H)	16	TGWN223	8	STTK322(H)	8
ITRW124(H)	12	STTF225	16	WISN226	8		
STTF125	12	WISN121	12	WVES221	12		
WISS121	12						
Total 2nd semester	**76**	**Total 2nd semester**	**68**	**Total 2nd semester**	**60**	**Total 2nd semester**	**48**
Total year level 1	**140**	**Total year level 2**	**140**	**Total year level 3**	**120**	**Total year level 4**	**112**
Total credits for the curriculum							**512**

E.4 MODULE OUTCOMES

E.4.1 MODULE OUTCOMES: BACHELOR OF COMMERCE

Module code: ACCC111	**Semester 1**	**NQF level: 5**
Title: Framework, Foundations, Cycle and Financial Reporting		
Module outcomes: On completion of the module the student should be able to: • demonstrate a basic knowledge of the principles of the accounting cycle, including the recording of transactions and adjustments, from source documents in the subsidiary journals/ledgers and general ledger of an entity; • understand the accounting Framework and the basic elements of financial statements, including their recognition and measurement criteria; • prepare a set of basic financial statements, in the correct format, based on the information in a trial balance or general ledger, including basic disclosure in the notes to the financial statements; • calculate and account for insurance gains/losses; and • prepare financial statements when a set of incomplete accounting records is received;		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCC121	**Semester 2**	**NQF level: 5**
Title: Accounting for Different Entities		
Module outcomes: On completion of the module the student should be able to: • apply the definitions, recognition and measurement criteria of the different elements of financial statements, as well as the principles regarding the presentation of financial statements to a given situation; • distinguish between different entity forms, including sole proprietors, partnerships, companies and close corporations, and account for transactions in records of each of these entity forms; • use information technology effectively in the recording of transactions in records of an entity; • work effectively together with others as part of a team or group.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCC271	**Year module**	**NQF level: 6**
Title: Accounting: Corporate Accounting and Introduction to IFRS and Group Statements		
Module outcomes: On completion of the module the student should be able to: • understand and interpret basic principles of different International Financial Reporting Standards (IFRS) and the interaction between them; • perform a very basic consolidation of a parent and one subsidiary; • utilise spread sheets and accounting software to perform calculations and in the preparation of financial statements; • organise and manage activities in a responsible and effective manner.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCC371	**Year module**	**NQF level: 7**
Title: Accounting: Complex Corporate Accounting (including group statements) and IFRS		
Module outcomes: On completion of the module the student should be able to: • perform a complex consolidation of a parent and one or more subsidiaries; • account for an investment in an associated entity or a joint venture; • prepare a set of financial statements that fully comply with International Financial Reporting Standards (IFRS), including the discussion of the correct accounting treatment of transactions and the recording of transactions; • utilise information technology in the accounting/auditing profession effectively; • identify and solve problems where the response provides evidence of critical and creative thinking; • collect, analyse, organise and evaluate information.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		

Module code: ACCF111	Semester 1	NQF level: 5
Title: Financial Accounting: Basic concepts, Accounting Systems and Elementary Financial Reporting		
Module outcomes: On completion of the module the student should be able to: • explain the purpose and function of accounting; • demonstrate a clear understanding of the accounting equation; • create journals, ledgers, subsidiary ledgers and control accounts; • prepare bank reconciliations; • calculate claims against insurers for inventory losses; • record transactions and compile financial statements for sole traders.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCF121	**Semester 2**	**NQF: 5**
Title: Financial Accounting: Elementary Financial Reporting, Partnerships and Companies		
Module outcomes: On completion of the module the student should be able to: • record transactions and compile the Statement of receipts and payments, Statement of comprehensive income (income statement) and Statement of financial position (balance sheet) for non-trading enterprises; • compile annual financial statements for partnerships; • compile annual financial statements for close corporations in conformity with International Financial Reporting Standards (IFRS); • demonstrate a clear understanding of the different types of company shares, record transactions for the issue and redemption of shares and compile elementary financial statements for companies; • prepare a statement of cash flows		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCF211	**Semester 1**	**NQF level: 6**
Title: Financial Accounting: Financial Reporting		
Module outcomes: On completion of the module the student should demonstrate his/her knowledge of: • The Conceptual Framework; • International Accounting Standard (IAS) 1 Presentation of financial statements; • IAS 7 Statements of cash flows; • IAS 16 Property, plant and equipment; • IAS 40 Investment property; and • Convert incomplete records to proper financial records based on the double entry system; reconstruct the annual financial statements of the business from the information obtained from incomplete records.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCF221	**Semester 2**	**NQF level: 6**
Title: Financial Accounting: Special Topics and Elementary Group Statements		
Module outcomes: On completion of the module the student should demonstrate his/her knowledge of: IAS 2 Inventories; • IFRS 15 Revenue from contracts with customers; • IAS 37 Provision, contingent liabilities and contingent assets; • IAS 17 Leases; and • Basic consolidation transactions and reporting		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester .		

Module code: ACCF 311	Semester 1	NQF level: 7
Title: Financial Accounting: Group statements and Introduction to International Financial Reporting Standards (IFRS)		
Module outcomes: After completion of this module, the student should demonstrate his/her knowledge of: • applicable consolidation accounting entries relating to a parent company and a single subsidiary; • consolidated financial statements and notes thereto; • demonstrate his/her knowledge of the IASB's mission and objectives, the scope of International Financial Reporting Standards (IFRS), due process for developing IFRS and Interpretations, and policies on effective dates, format, and language for IFRS; • IAS 1 Presentation of financial statements; • IAS 8 Changes in accounting estimates, accounting policies and errors; • IAS 10 Events after the reporting period • IAS 12 Income tax; and • IAS 37 Provisions, contingent liabilities and contingent assets		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCF321	**Semester 2**	**NQF-level: 7**
Title: Financial Accounting: International Financial Reporting Standards (IFRS)		
Module outcomes: After completion of this module, the student should demonstrate his/her knowledge of: • IFRS 15 Revenue from contracts with customers; • IAS 23 Borrowing cost; • IAS 16 Property, plant and equipment; • IAS 36 Impairment of assets; • IAS 38 Intangible assets; • IAS 40 Investment property; • IAS 17 Leases; and • Basic financial instruments		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCS111	**Semester 1**	**NQF level: 5**
Title: Financial Accounting(special): Basic Concepts, Accounting Cycle and Accounting Systems		
Module outcomes: On completion of the module the student should be able to: • explain the purpose and function of accounting; • demonstrate a clear understanding of the accounting equation; • create journals, ledgers subsidiary ledgers and control accounts; • design an accounting system that will meet the requirements of a specific entity; • record transactions and prepare financial statements of sole traders.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCS121	**Semester 2**	**NQF level: 5**
Title: Financial Accounting(special): Bank Reconciliation, Elementary Financial Reporting and Analysis and Interpretation of Elementary Financial Statements		
Module outcomes: On completion of the module the student should be able to: • draw up a cash receipts- and payment journal and to prepare a bank reconciliation statement; • prepare a statement of comprehensive income (income statement), statement of financial position (balance sheet) and a statement of changes in equity for sole traders on a generally acceptable format; • identify and explain financial ratios; explain their purpose and use in the analyses of the liquidity, profitability and solvency of a sole trader.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		

Module code: ACMP311	Semester 1	NQF level: 7
Title: Computer Applications in Accountancy		
Module outcomes: On completion of the module the student should be able to: • understand the need for access to information; • establish or enhance financial reporting using IT; • understand how IT impacts an accountant's daily functions and routines; • apply appropriate IT systems / tools to business accounting problems (including spread sheets, CAATS, internet, research); • demonstrate an understanding of business and accounting systems (including accounting packages, LAN's and e-commerce).		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: AGLE111	**Semester 1**	**NQF level: None**
Title: Introduction to Academic Literacy		
Module outcomes: On completion of the module the student should be able to: • demonstrate basic knowledge of learning strategies, academic vocabulary and register as well as the ability to read and write academic texts to function effectively in the academic environment; • communicate effectively both orally and in writing in an appropriate manner in an academic environment; • understand, interpret, and evaluate basic academic texts and write appropriate academic genres in a coherent manner by making use of accurate and appropriate academic conventions; • listen, speak, read and write accurately, fluently and appropriately in an ethical framework.		
Method of delivery: Full-time and part-time		
Assessment modes: This is a guideline and can change.		
Module code: AGLE121	**Semester 2**	**NQF level: 5**
Title: Academic Literacy		
Module outcomes: On completion of the module the student should be able to: • demonstrate fundamental knowledge of appropriate computer programmes, and also the ability to apply learning, listening, reading and writing strategies, to use academic language register and to read and write academic texts, in order to function effectively in the academic environment; • communicate effectively both in oral and in written format in an ethically responsible and acceptable manner in an academic environment, both as individual and a member of a group; • both as an individual and a member of a group, find and collect scientific knowledge in a variety of study fields, analyse, interpret, and evaluate texts, and coherently synthesise and propose solutions in appropriate academic genres by making use of linguistic conventions used in formal language registers.		
Method of delivery: Full-time and part-time		
Assessment modes: This is a guideline and can change. • Tests and assignments – weight 60% • Semester test 1x2 hour- weight 40%		
Module code: AUDF211	**Semester 1**	**NQF level: 6**
Title: Financial Auditing- Introduction to the auditing process		
Module outcomes: After completion of this module the student will demonstrate knowledge, understanding and the ability to apply in practice: • the objectives and general principles governing the audit of financial statements • the framework for assurance engagements • the planning of an audit: • a framework for internal control, control activities and risk assessment procedures and • substantive audit procedures and audit evidence • responsibilities in respect of fraud and error and • the consideration of laws and regulations in an audit environment.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		

Module code:AUDF221	Semester 2	NQF level: 6
Title: Financial Auditing- Application of audit principles		
Module outcomes: After completion of this module the student will demonstrate knowledge, understanding and the ability to apply in practice: • the flow of information and the transaction cycles • internal control considerations applicable to the auditor • the audit of specific items and financial statement assertions and • reporting in the audit environment		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: AUDF311	**Semester 1**	**NQF level: 7**
Title: Financial Auditing – Corporate governance and ethical principles		
Module outcomes: After completion of this module the student will demonstrate knowledge, understanding and the ability to apply in practice: • the statutory and corporate governance requirements applicable to audit engagements • the professional and ethical responsibilities applicable to the auditor.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester .		
Module code: AUDF 321	**Semester 2**	**NQF level:7**
Title: Financial Auditing – The audit process and the application of audit techniques		
Module outcomes: After completion of this module the student will demonstrate knowledge, understanding and the ability to apply in practice: • overall audit planning and risk assessment • the process of obtaining audit evidence and applying sampling techniques • the influence of subsequent events • going concern consideration and • the finalisation of the audit		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: AUDT211	**Semester 1**	**NQF level: 6**
Title: Auditing: The Auditor and the Audit Process		
Module outcomes: Regarding the audit profession in South Africa: • explain the need for an audit; • distinguish between the different types of audits and auditors; • understand the difference between the professional and regulatory bodies with regards to the audit profession, as well as the purpose and duties respectively of each body; • discuss the purpose of an audit, general principles relating to the performance of an audit, as well as the degree of assurance that an audit offers to the users of audited information; • discuss the quality control procedures relating to the performance of an audit; • discuss the purpose, structure, content and scope of audit documentation with reference to ISA 230R. Regarding the audit process: • know and discuss the different steps that the audit process consists of; • know and discuss the requirements that each step of the audit process must consist of, as illustrated by the international audit standards; and • apply the principles relating to each step of the audit process to a practical case study. Regarding fraud and error: • know the responsibilities of the auditor, specific audit procedures to be performed, as well as the reactions of the auditor with regards to fraud and error as illustrated by ISA 240 ; • know and apply the definition of a reportable irregularity to a case study according to the Auditing Profession Act; and • know and apply the duties of the auditor with regards to reporting on reportable irregularities according to the requirements of the Auditing Profession Act.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		

Module code:AUDT221	Semester 2	NQF level: 6
Title: Auditing		

Module outcomes:

On completion of the module the student should be able to:

Understand the functioning of the different operating systems in a business, with specific reference to:

- the organisational structure and responsibilities of staff members;
- source documents used;
- flow of information to record transactions;
- supervising and control procedures which must be performed.

Apply the procedures which should be performed by the auditor in the verification of the different financial statements items, with specific reference to:

- the audit objectives;
- identification of audit risks;
- design of an audit programme;
- interpretation of results;
- making a conclusion.

Formulate an appropriate audit opinion in the audit report for the users of financial statements.

Know and apply the responsibilities of auditors regarding material irregularities with clients.

Method of delivery: Full-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester .

Module code: AUDT371	Year Module	NQF level: 7
Title: Auditing: Audit process- and Company Law Applications		

Module outcomes:

On completion of the module the student should be able to:

- Understand & implement the steps of the audit process in a manual and information technology (IT) environment as well as those regarding the requirements of the Companies Act, 2008;
- Discuss management's internal controls in an IT environment, specifically regarding general and application controls;
- Make written recommendations to management/provide advice based on completion of audit findings; illustrating report writing skills, using technical auditing terms and complying with the International Standards on Auditing (ISA's);
- Interpret and analyse factual auditing situations in financial statements, IT environments and case studies;
- Understand and apply the Companies Act and selected South African Auditing Statements, in all communications;
- apply and interpret the knowledge of the technical terms and demonstrate the acquisition of professional communication skills;
- Write appropriate audit reports for the situations in those case studies; and
- Work in groups, because team work is applied in practical auditing engagements

Method of delivery: Full-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: BMAN111	Semester 1	NQF level: 5
Title: Introduction to Business Management		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete and systematic knowledge of the nature of business management, establishment issues of a new business, the different business functions and the basic elements of a business plan;
- demonstrate skills, based upon an informed comprehension of theories and concepts, to identify established issues of new businesses, identify the different business functions and to draw up a basic SWOT analysis and business plan;
- undertake a literature and environmental review, prepare a basic report as an individual or as a member of a team and communicate the report in writing and verbally to an audience.

Method of delivery: Full-time and part-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: BMAN121	Semester 2	NQF level: 5
Title: General Management		
Module outcomes: On completion of the module the student should be able to: • use management in different contexts; • show a management mind-set; • report on management and managers in a changing environment; • understand and use the underlying principles of planning; • do organisational design and understand the human resource process; • understand how to lead and remunerate employees; • apply the principles of control in a business situation; • apply his/her knowledge in decision-making; • be familiar with management of change, stress and innovation, motivation, leadership and trust; • participate as part of a team; • evaluate and apply management by objectives; • demonstrate an ethical approach in all operations; • communicate effective as an individual and in groups; • do at least half of his/her assignments in English – the language of the business world.		
Method of delivery: Full-time and part-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: BMAN211	**Semester 1**	**NQF level: 6**
Title: Introduction to Marketing Management		
Module outcomes: On completion of the module the student should be able to: • understand the nature of marketing management; • demonstrate an ability to provide an adequate overview of a business's marketing environment; • explain the role of marketing information in the marketing process; • define the concept 'marketing research' accurately; • comment in detail on marketing research as a tool to collect information in order to solve marketing management problems; • discuss consumer behaviour and consumer decision-making adequately; • understand the processes of market segmentation, targeting and positioning; • explain the components of the marketing mix.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: BMAN212	**Semester 1**	**NQF level: 6**
Title: Entrepreneurial Skills		
Module outcomes: On completion of the module the student should be able to: • know how to get access to the resources required for a successful management / entrepreneurship career; • discover opportunities in different industries and fields of study; • discover his/her interests, personality, talents and values and bring in connection with the chosen industry and field of study; • develop a personal development plan with a vision and goals; • plan income and expenses wisely and improve the use of numbers in everyday life; • implement his/her own personal development plan by communicating with various audiences what has been learned, improve functional numeric, receive and give relevant feedback, understand and express himself/herself better, understand his/her emotions, apply self-control, demonstrate good interpersonal skills and effectively use functional business language.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		

Module code: BMAN221	Semester 2	NQF level: 6
Title: Purchasing Management		
Module outcomes: On completion of the module the student should be able to: • provide an overview of purchasing management; • understand how to manage the supply base with special emphasis on the selection of suppliers; • determine the key performance areas of purchasing and supply in terms of cost analysis, inventory management and materials management; • identify the instruments used in managing purchasing and supply and electronic information; and understand the areas of application in purchasing and supply.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: BMAN222	**Semester 2**	**NQF level: 6**
Title: Entrepreneurial Opportunities		
Module outcomes: On completion of the module the student should be able to: • use the term entrepreneurship in different contexts; • display an entrepreneurial mind-set; • report on the elements of entrepreneurship; • understand the functioning of the brain, brain preferences and thinking skills; • manage his/her thoughts and self-talk; • identify stumbling blocks and know how to overcome them; • evaluate environments and identify opportunities for creative application in all walks of life; • understand and utilise the characteristics for entrepreneurial success; • use applicable creative techniques to generate ideas and solve problems; • function in idea-generating teams; • demonstrate the use of entrepreneurial language; • display skills imperative to creative entrepreneurial thinking; • plan and execute the initial steps in implementing a solution or project in practice; • demonstrate an ethical approach in all operations; • communicate effectively on a one-to-one basis and in groups.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 2 - 3 class tests; weight – 35 1 - 2 assignments; weight – 20 1 - 2 other assignments; weight – 15 Summative: 1 x 2 hour examination; weight – 30 This is a guideline and can change.		
Module code: BMAN311	**Semester 1**	**NQF level: 7**
Title: Financial Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a complete and systematic knowledge of financial statements and cash management, fixed assets, analysis of financial management and working capital, time value of money, valuation and the required rate of return, financial decisions and dividend policy; • demonstrate skills, based upon an informed comprehension of theories and concepts, evaluating and analysing financial statements, calculating all calculations on the time value of money, financial aspects and making decisions based on these results; • demonstrate the ability to undertake a literature and an environmental review, prepare a basic report on financial issues as an individual or as a member of a team and communicate the report in writing and verbally to an audience.		
Method of delivery: Full-time and part-time		
Assessment methods: Formative: 3 class tests; weight – 35 1 integrated assignment; weight – 10 2 class assignments; weight – 5 Summative: 1 x 3 hour examination; weight – 50. This is a guideline, and can change.		

Module code: BMAN312	Semester 1	NQF level: 7
Title: Entrepreneurship		

Module outcomes:

On completion of the module the student should be able to:

- understand what entrepreneurs and entrepreneurship entail;
- utilise the context of entrepreneurship;
- report on how to go about looking for sustainable ideas;
- understand and utilise the underlying principles of planning a new business;
- apply competitive advantage as a key success factor;
- know how to organise a new business;
- conduct the launch of a new business;
- apply the principles of management in business situations;
- apply his/her knowledge in decision-making;
- be familiar with the management of human resources within a new business;
- function as part of a team in a meaningful manner;
- apply some of the most important event factors of entrepreneurship;
- learn more about establishment of new businesses by means of the given case studies;
- demonstrate an ethical approach in all activities;
- communicate effectively on an individual basis and in group context;
- carry out at least half of your assignments in English – the language of the world of work and business.

Method of delivery: Full-time and part-time

Assessment modes:		
	Formative:	2 - 3 class tests; weight – 30 1 - 2 assignments; weight – 15 1 - 2 other assignments; weight – 5
	Summative:	1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: BMAN321	Semester 2	NQF level: 7
Title: Strategic Management		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate systematic and theoretical knowledge of the elements that forms part of a strategic plan;
- demonstrate the skills to identify appropriate business strategies and threats, and opportunities that will contribute to a financial sound business venture;
- compile and facilitate a strategic business plan.

Method of delivery: Full-time and part-time

Assessment modes:		
	Formative:	3 class tests; weight – 25 3 assignments, weight –25
	Summative:	1 x 3 hour examination; weight - 50

This is a guideline and can change

Module code: BMAR211	Semester 1	NQF level: 6
Title: Services Marketing		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete and systematic knowledge of marketing within a service environment, including service quality, the service delivery process, insights into service customers and their decision-making, an understanding of the different available pricing strategies, as well as integrated service-marketing communications;
- demonstrate skills, based on an informed comprehension of theories and concepts, to design and develop a proper service offering, to analyse and identify a pricing strategy relevant to a specific service market, to suggest ways on how to build customer relationships and loyalty, and to recover service failure;
- demonstrate the ability to undertake a literature and environmental review of the service environment and prepare a report as individual or as a member of a team and to communicate these results in writing and verbally.

Method of delivery: Full-time and part-time

Module code: BMAR221	Semester 2	NQF level: 6

Title: Consumer Behaviour

Module outcomes:

On completion of the module the student should be able to:

- demonstrate sound knowledge of consumer behaviour, the consumer as an individual, consumers in their social and cultural settings and the consumer decision-making process;
- demonstrate skills, based on the understanding of concepts and theories, to identify the role of the consumer research and market segmentation in consumer behaviour as well as how consumer behaviour influences the marketing environment.

Method of delivery: Full-time and part-time

Assessment modes: Formative : 3 class tests; weight – 35
2 assignments / homework assignments; weight – 15
Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: BMAR311	Semester 1	NQF level: 7

Title: Product Decisions

Module outcomes:

On completion of the module the student should be able to:

- demonstrate complete and systematic knowledge of product decisions, the classification of products, new product development, individual and multiple product decisions, product positioning and the product life cycle concept – as an element of the marketing mix;
- demonstrate skills, based on informed comprehension of theories and concepts, to identify and analyse product related issues in a given case study and to suggest a suitable product strategy to address the product issues a component of the marketing mix;
- demonstrate the ability to apply and evaluate the relevant theory and concepts as well as the ability to use the knowledge gained to suggest product strategies as part of the marketing mix decisions to business as an individual or member of a team and to communicate the strategy verbally and in writing.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 3 class tests; weight – 35
1 integrated assignment; weight – 15
Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: BMAR312	Semester 1	NQF level: 7

Title: Price and Distribution Decisions

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete and systematic knowledge of the importance of price, steps in setting price, determining the final price, designing distribution channels, selecting channels members, logistics management, managing the distribution channel and the behavioural processes in the distribution channels;
- demonstrate skills, based upon an informed comprehension of theories and concepts, to price setting, determining a final price and distribution channel design and management;
- demonstrate the ability to undertake a literature and environmental review to identify and analyse problems in price setting and distribution management and to come up with solutions to solve the problems by writing reports and use applicable computer software.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 3 class tests; weight – 35
1 integrated assignment; weight – 15
Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: BMAR321	Semester 2	NQF level: 7

Title: Marketing Research

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete and systematic knowledge of marketing research problem definition, research design, measurement and scaling, questionnaire design, sampling design, fieldwork and data preparation, analysis and report writing;
- demonstrate skill, based upon an informed comprehension of theories and concepts, to identify and analyse marketing management problems and suggest solutions to these marketing management problems by designing suitable marketing research projects and successfully reporting on the results of these projects;

- demonstrate the ability to undertake a literature and an environmental review, plan research project and prepare a research report as individual or as a member of a team and to communicate the research proposal and the research report in writing and verbally to a professional audience.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 3 class tests; weight – 35
1 integrated assignment; weight – 15
Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: BMAR322	**Semester 2**	**NQF level: 7**

Title: Integrated Marketing Communications

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete and systematic knowledge of integrated marketing communications (IMC), IMC advertising tools, promotional tools and integration tools;
- demonstrate skills, based on the understanding of theories and concepts, to identify and analyse which IMC components will be best suited to different situations by compiling a suitable IMC plan campaign;
- demonstrate the ability to undertake a situational review, plan an IMC campaign and prepare a research report as an individual or as a member of a team, as well as to communicate the plan and campaign in writing and verbally to an audience.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 3 class tests; weight – 35
1 integrated assignment; weight – 15
Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: ECON111	**Semester 1**	**NQF level: 5**

Title: Introduction to Economics

Module outcomes:

On completion of the module the student should be able to:

- know how to get access to the resources required for a successful management / entrepreneurship career;
- discover opportunities in different industries and fields of study;
- discover his/her interests, personality, talents and values and bring in connection with the chosen industry and field of study;
- develop a personal development plan with a vision and goals;
- plan income and expenses wisely and improve the use of numbers in everyday life;
- implement his/her own personal development plan by communicating with various audiences what has been learned, improve functional numeric, receive and give relevant feedback, understand and express himself/herself better, understand his/her emotions, apply self-control, demonstrate good interpersonal skills and effectively use functional business language.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 2 - 3 class tests; weight – 35
1 - 2 assignments; weight – 20
1 - 2 other assignments; weight – 15
Summative: 1 x 2 hour examination; weight – 30

This is a guideline and can change.

Module code: ECON121	**Semester 2**	**NQF level: 5**

Title: Basic Micro- and Macro-economics

Module outcomes:

On completion of the module the student should be able to:

- demonstrate fundamental knowledge and insight into the principles and theories on which microeconomics, macroeconomics and the Simple Macroeconomic Model are based and also to apply concepts and terminology in answering well-defined problems and case-studies;
- demonstrate fundamental knowledge of the interaction between and interdependence of economic participants and economic indicators;
- demonstrate skills to analyse and evaluate case studies, examples and problems on certain macro- and micro-economic phenomena, with reference to demand, supply, equilibrium, consumption, production, price elasticity and various forms of competition;
- demonstrate a fundamental understanding of the causes of inflation, unemployment and economic growth and knowledge to recommend policies with regard to these;
- demonstrate skills to apply the Simple Macroeconomic Model in economic analyses and predictions;

- demonstrate information-gathering and processing skills for writing assignments within the context of micro- and macroeconomics, individually and in groups.

Method of delivery: Full-time and part-time

Assessment modes: Formative: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ECON211	**Semester 1**	**NQF level: 6**

Title: Macro-economics

Module outcomes:
On completion of the module the student should be able to:
- analyse the interrelationship relationship between different economic variables in an open economy;
- evaluate the effects of various policy steps on the functioning of the economy in the long- and short term;
- identify and apply different policy measures to address macro-economic problems.

Method of delivery: Full-time and part-time

Assessment modes: Formative: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ECON221	**Semester 2**	**NQF level: 6**

Title: Micro-economics

Module outcomes:
On completion of the module the student should be able to:
- demonstrate a sound knowledge and understanding of relevant terms, rules, concepts, principles and theories to describe microeconomics and its application in the 'real world';
- use theory-driven arguments and Information Technology skills to collect, organise, analyse and interpret as an individual and/or a group, information regarding microeconomic issues;
- demonstrate problem solving abilities regarding consumer demand and choices, market structures and the behaviour of competitors, equilibrium analyses, micro-policy, and government intervention in the economy in the form of taxation/subsidisation;
- effectively communicate findings and/or solutions, coherently and reliably to an audience of peers and academics, using individual and/or group methods.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: ECON311	**Semester 1**	**NQF level: 7**

Title: Fiscal and Monetary Policy

Module outcomes:
On completion of the module the student should be able to:
- demonstrate well-rounded and systematic knowledge of market failure and the role of government in the economy;
- demonstrate as an individual and/or part of a group, the practical skills to identify instances of market failure in case studies and to recommend the appropriate forms of government intervention; and
- demonstrate the competence to evaluate different forms of government intervention in the economy and to communicate recommendations to policymakers and stakeholders in written reports and oral presentations using the appropriate IT.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: ECON321	**Semester 2**	**NQF level: 7**

Title: Economic Analysis

Module outcomes:
On completion of the module the student should be able to:
- demonstrate well-rounded and systematic knowledge of classical linear regression models and specification testing of regression results;
- demonstrate as an individual and/or part of a group, the practical skills to estimate and test a regression model with Eviews software, undertake specification testing, including testing for stationary, structural breaks, multicollinearity, heteroscedasticity and autocorrelation, and to formulate solutions for practical problems in the field of Economic analyses;
- demonstrate the competence to identify a research question in the fields of Economics, Risk Management or International Trade, retrieve relevant information, apply basic statistics and

econometric methods to analyse and interpret the research results, and then communicate the findings in an ethically-sound oral presentation using the appropriate Information Technology as well as in a mini-dissertation of 20 pages.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: ECON322	**Semester 2**	**NQF level: 7**

Title: Development Economics

Module outcomes:

On completion of the module the student should be able to:

- demonstrate well-rounded and systematic knowledge of economic conditions in low- and middle-income economies and the structural characteristics of Least Developed Countries' economies;
- apply critical understanding of terms, rules, principles and theories to analyse, interpret and evaluate, as an individual or in groups, economic performance, in low- and middle-income economies, and other economic development issues in order to take part in norm-based arguments;
- demonstrate well-developed information retrieval skills, analyse, interpret and evaluate the information to ethically deal with unfamiliar concrete and abstract problems in Development economics;
- communicate information in well-structured arguments in written assignments and oral presentations following prescribed formats while using appropriate technology.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: EKIP211	**Semester 1**	**NQF level: 6**

Title: International Trade Relations

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a sound knowledge and understanding of concepts, ideas, theories, principles and rules of the following: international trade relations, the effect of government interference in international trade policies, the different types of trade limitations and enhancements, the impact of trade blocs on world trade, the effect of international trade institutions on world trade, and how businesses can benefit from international trade transactions;
- demonstrate the skills to retrieve information identified in order to analyse the composition/classification of countries in terms of world trade as well as their international trade policies;
- determine, analyse and apply financing of international trade with regard to exchange rates and a country's balance of payments with a focus on the South African situation;
- evaluate South Africa's position in the international trade environment in terms of openness, international trade status, international trade relationships and contribution from the different sectors to international trade;
- use knowledge of South Africa's international trade structure and priorities to solve real-world problems and justify findings and proposals with theory-driven arguments;
- communicate reports and presentations to lay- and professional audiences individually and/or in groups, by using IT.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: EKIP221	Semester 2	NQF level: 6

Title: International Trade Finance and Payment

Module outcomes:

On completion of the module the student should be able to:

- distinguish between the different dimensions of financial risk in international trade;
- distinguish between the different options to international payment methods and terms;
- choose the appropriate payment method and term;
- discuss the purpose of export credit insurance and the nature of the industry;
- explain the principles underlying export credit insurance, the types of export credit insurance available, the practical aspects surrounding export credit insurance policies, the following up of overdue payments and claiming under export credit insurance;
- analyse the cost component of an export quotation and explain export pricing considerations;
- describe how to work with foreign currencies and the impact of South African exchange control regulations on international trade transactions;
- define and analyse the broad categories of international finance and the finance facilities offered by banks and confirming houses;

- discuss the finance facilities offered by Business Partners, Industrial Development Corporations (IDC) and by the South African government.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: EKIP311	**Semester 1**	**NQF level: 7**

Title: International Trade Geography

Module outcomes:

After completion of this module, you should be able to:

- demonstrate a thorough knowledge and insight of the basic principles of economic geography; the distribution of economic activity, population, resources and income throughout the world; the historic development of capitalism and technological development in different continents; the development of transport and communication systems throughout the world and the flows of foreign investment throughout the world;
- analyse the inter-relationship between economic geography, development, international business and the global economy;
- analyse the causes and effects of the distribution of the world population on economic and trade geography;
- analyse the agricultural, manufacturing and services sectors of the most important international role-players;
- investigate the relationship between transport, economic development and geography;
- analyse the social and economic impact of the Internet, as well as the possible future impact of technological development of telecommunications on geography;
- analyse the influence of geography on trade patterns;
- analyse the causes of poverty in modern-day world and evaluate different development strategies.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on eFundi.

Module code: EKIP321	**Semester 2**	**NQF level: 7**

Title: International Business Communication

Module outcomes:

On completion of the module the student should be able to:

- discuss the many circumstances giving rise to the need to communicate with other parties when transacting business at an international level;
- name, and provide practical examples of, the different types of communication (both verbal and non-verbal);
- give a detailed description of the components of culture, and illustrate with the help of examples, how cultural differences present one of the key hurdles to effective communication in an international business context;
- provide practical guidelines on how best to communicate and, where necessary, negotiate (both verbally and non-verbally) with business people from North America, South America, Asia, Europe and other parts of Africa;
- give practical cases involving a breakdown in communication between a South African and a foreign business partner (e.g. importer, agent, licensee, etc.), identify the source of the problem and recommend an appropriate means of getting the business relationship back on track.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on EFundi.

Module code: EKRP211	Semester 1	NQF level: 6
Title: Introduction to Risk Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a clear understanding of what risk entails and how to manage risk strategically in a corporate environment in South Africa; • explain why risk management plays an important role in the business environment; • identify and distinguish between various types of risks; • demonstrate both theoretical knowledge and practical application of the risk management process, i.e. the identification, evaluation and control of risk in a variety of scenarios; • demonstrate a clear understanding of the various forms of risk financing strategies, the cost associated with the different strategies and the appropriateness thereof for different risks.		
Method of delivery: Full-time and part-time		
Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on EFundi.		
Module code: EKRP221	**Semester 2**	**NQF level: 6**
Title: Investment Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a solid knowledge of the general principles of Investment management; • explain the required rate of return as an investment criterion; • discuss fundamental principles of investment in terms of risk/return and time value of money; • explain diversification; • discuss and analyse the investment management process; • discuss the organisation and functioning of security markets; • distinguish between and evaluate the different investment theories; • discuss valuation principles and practices in investment management; • explain and discuss fundamental analysis; • explain and discuss technical analysis; • discuss portfolio management and portfolio evaluation from the perspective of the investment manager.		
Method of delivery: Full-time and part-time		
Assessment modes: assessment methods and -weights will be made available .		
Module code: EKRP311	**Semester 1**	**NQF level: 7**
Title: Bank Risk Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a sound and systematic knowledge and understanding of how the Assets and Liabilities Committee (ALCO) manages their assets and liabilities to address banking risks, the role that the management of these financial assets and liabilities plays in the South African economy, as well as the financial and other related risks in a financial institution; • -demonstrate well-developed skills to solve problems by strategically managing the process of minimising financial risks, maximising the interest income and equity of financial institutions, and exhibiting a thorough understanding of the regulatory environment in which banks operate; • use individual and group methods to effectively communicate information with regard to bank risk management coherently and reliably in appropriate formats.		
Method of delivery: Full-time and part-time		
Assessment modes: Methods and -weights will be made available in the study guides and on EFundi.		
Module code: EKRP321	**Semester 2**	**NQF level: 7**
Title: Financial Markets		
Module outcomes: On completion of the module the student should be able to: • demonstrate a well-rounded and systematic knowledge and understanding of the mechanics of the South African Money and Capital Markets, including SAFEX and the Bond Exchange (the Johannesburg Stock Exchange and shares were covered in EKRP211), and understand and use the mechanics of the products and instruments, including derivatives, used in these markets and the regulatory environment; • demonstrate the ability to work as an analyst, a market dealer, stock broker and back office official in the banking and treasury environment; • in unfamiliar concrete and abstract scenarios, apply basic portfolio management using the products and instruments of the above-mentioned markets;		

- work in groups and/or as an individual and effectively communicate information in an ethically-sound manner, using the appropriate IT.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on EFundi.

Module code: FINM221	**Semester 2**	**NQF level: 6**

Title: Financial Management: Introduction

Module outcomes:

On completion of the module the student should be able to:

- understand the role of financial management and the financial manager in a business organisation and identify the primary goal of financial management;
- understand the concept of the time value of money and perform calculations;
- understand the relationship between risk and return and evaluate the risk and return of organisations based on the necessary calculations;
- understand the basic accounting statements and concepts and perform an evaluation of financial performance, using financial statement analysis to assess the current financial condition of the firm;
- demonstrate a knowledge of the characteristics of the principle forms of finance used by companies and the ways in which they may be issued;
- demonstrate a basic knowledge of the characteristics of financial instruments and how they can be applied by companies to hedge against risk;
- demonstrate a complete and systematic knowledge of the factors to be considered by a company when deciding on its capital structure;
- demonstrate the skills to calculate the cost of the different sources of finance and the weighted average cost of capital of a company;
- understand and apply the various techniques in evaluating capital investment projects.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester by means of a working schedule.

Module code: FINM321	**Semester 2**	**NQF level: 7**

Title: Financial Management: Decision Making and Valuations

Module outcomes:

On completion of the module the student should be able to:

- demonstrate an understanding of the primary goal of financial management and the concept of time value of money and the skills to apply time value of money principles to real world problems;
- demonstrate an understanding of the weighted average cost of capital (WACC) and the ability to calculate the WACC of a company;
- understand and apply the various techniques in evaluating capital investment projects;
- evaluate capital investment projects under conditions of inflation and capital rationing;
- demonstrate a knowledge of the different sources of finance for capital investment projects and make a recommendation based on the discounted cash flow technique;
- demonstrate an understanding of working capital management including the working capital cycle, working capital policies and working capital financing policies;
- demonstrate the skills to evaluate accounts receivable management as well as inventory management systems of companies;
- demonstrate the basic skills to perform a valuation of a company;
- demonstrate an understanding of the dividend policy of a company.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be provided by means of a working schedule.

Module code: FREB111	**Semester 1**	**NQF level: 7**

Title: Elementary Business French 1

Module outcomes:

On completion of the module the student should be able to:

- read, write, and understand French in general and particularly in business contexts;
- communicate orally and express himself/herself taking into consideration the relevant cultural norms which apply in French-speaking business world;
- read important articles relevant to field of expertise and write elementary notes, memoranda and letters.

Method of delivery: Full-time

Assessment modes Summative: 1 x 3 hour examination; weight – 50

Module code: FREB121	Semester 2	NQF level: 7
Title: Elementary Business French 2		
Module outcomes: On completion of the module the student should be able to: • read, write and understand French in general and particularly in busine4ss contexts; • communicate orally and express himself/herself taking into consideration the relevant cultural norms which apply in the French-speaking business world; • read important articles relevant to field of expertise and write elementary notes, memoranda and letters.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: GERB111	**Semester 1**	**NQF level: 7**
Title: Elementary Business German 1		
Module outcomes: On completion of the module the student should be able to: • follow general everyday conversations; • use basic communicative phrases; • apply basic grammar rules; • use relevant vocabulary; • read, understand and translate elementary texts; • write elementary texts (e.g. a CV); • compare the South African and the German societies with reference to housing, transport, economics, society and culture; • handle communication situations with the necessary sensitivity.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: GERB121	**Semester 2**	**NQF level: 7**
Title: Elementary Business German 2		
Module outcomes: On completion of the module the student should be able to: • understand and participate in general communication in an office and business environment; • use basic communicative phrases (e.g. to order or buy something, to make travel arrangements, or to make enquiries); • use relevant vocabulary; • read, understand and translate elementary business texts (e.g. agendas, programmes, advertisements, newspaper and journal articles); • write elementary texts (e.g. situation descriptions, informal letters, e-mails to friends); • compare South African and German society in terms of themes such as education, work opportunities, history and political systems.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: HRMA122	**Semester 2**	**NQF level: 7**
Title: The function of Human resource management		
Module outcomes: On completion of the module the student should be able to: • know and understand the nature, value and functions of, as well as the challenges to human resource management • demonstrate knowledge of and insight into job analysis, human resource planning, recruitment, selection, compensation, induction, training and development, performance management and the application of skills in utilising programmes in all these aspects in organisations • apply knowledge and skills to compile and evaluate programmes in human resource management.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 3 Large scheduled tests: weight – 100 Summative: 1 x 2-hour Exam: weight – 50		

Module code: IOPS111	Semester 1	NQF level: 5
Title: Introduction to Industrial Psychology		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge of, and insight into the core areas of Industrial Psychology, including career prospects, roles, functions and competencies of registered counsellors and psychometrists and psychologists; • define and describe the role and the use of the principles of Industrial Psychology; • analyse the biological bases of behaviour, which include cognitive abilities, memory, learning and motivation; • analyse the social bases of behaviour, which includes interpersonal interaction like attitude, emotions, values and leadership.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 3 large scheduled tests; weight – 100 Summative: 1 x 2 hour examination; weight – 50		
Module code: IOPS121	**Semester 2**	**NQF level: 5**
Title: Career Health and Ergonomics		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge of the nature and importance of a safe and healthy work environment that enhances the quality of the work life of employees; • show insight into the problems that workers experience regarding safety, health, quality of work life and the human-technology interaction; • demonstrate knowledge of the application of ergonomics by designing models to fit body posture, the office/work environment, designing for special populations and the practical application of the models by means of the ergonomics checklist; • demonstrate knowledge of the connection between work and psychological wellbeing (e.g. Psychological adjustment); • know the determinants and causes of work maladjustment and implications thereof for safety; • demonstrate knowledge of the types of work dysfunctions and other work-related and organisational maladjustments; • demonstrate knowledge of the ways in which organisations should go about to ensure a safe and healthy work environment conducive to improving the quality of work life; • demonstrate knowledge of the most important provisions of the Occupational Health and Safety Act (Act 85 of 1993) in maintaining safe and healthy work environments.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 3 large scheduled tests; weight – 100 Summative: 1 x 3 hour examination; weight – 50		
Module code: IOPS211	**Semester 1**	**NQF level: 6**
Title: Personnel Psychology		
Module outcomes: On completion of the module the student should be able to: • show knowledge of the changing nature of work and how this will affect the application of psychological principles in decision-making; • analyse and apply different types of criteria/standards as it pertains to decision-making for people at work in a fair and equitable way; • evaluate/assess the quality of and applicability of different psychological predictors; • apply the correct problem solving method such as the development, appraisal and motivation of people at work.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 3 large scheduled tests; weight – 100 Summative: 1 x 2 hour examination; weight – 50		

Module code: IOPS221	Semester 2	NQF level: 6
Title: Career Psychology		
Module outcomes: On completion of the module the student should be able to: • evaluate the implications of the changing organisation for careers using various theories of career choice/development and counselling in solving career related problems; • identify different life/career stages and the methods that can be used in dealing with career issues; • assess different effects of career experiences on employees and all aspects of career management support.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 3 large scheduled tests; weight – 100 Summative: 1 x 2 hour examination; weight – 50		

Module code: IOPS311	Semester 1	NQF level: 7
Title: Organisational Psychology		
Module outcomes: On completion of the module the student should be able to: • explain the research, theories and approaches regarding organisational behaviour, stress, motivation, job satisfaction, leadership, group behaviour, organisation politics, conflict, decision-making, communication and organisation architecture; • show sensitivity for individual, group and organisational problems at national and international level; • demonstrate skills to diagnose individual, group and organisation problems and identify opportunities to intervene or refer to other professionals; • advise relevant parties on solutions and to facilitate such solutions; • explain the competencies of an organisation development consultant; • diagnose the changes that have an influence on individuals, groups and organisations • explain the management of change; • use skills to make an organisation diagnoses; • show an understanding of elementary organisation development interventions.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 3 large scheduled tests; weight – 10 Summative: 1 x 3 hour examination; weight – 50		

Module code: IOPS321	Semester 2	NQF level: 7
Title: Psychometry and Research Methodology		
Module outcomes: On completion of the module the student should be able to: • show an understanding of psychological measurement, its ethics and requirements; • apply psychometrical techniques; • evaluate different psychometrical techniques and select techniques that can be used in all fairness in a given situation; • show an understanding of the nature and measurement of intelligence, interest and personality; • interpret psychological protocols; • show an understanding of the nature of research, quantitative and qualitative approaches as well as the research process (i.e. literature review, data collection methods, sampling techniques, hypotheses, research objectives, reliability and validity) • demonstrate knowledge to plan an elementary research project; • apply knowledge of the use of the American Psychological Association (APA) referencing technique.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative: 4 large scheduled tests; weight – 60 4 assignments; weight – 40 Summative: 1 x 3 hour examination; weight – 50		

Module code: ITRW112	Semester 1	NQF level: 5
Title: Introduction to Programming		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge of the different components of the computer, an information system and programming languages and their uses. The student will also have acquired knowledge of the utilization and use of spread sheets. The student will have knowledge of spread sheets, which includes tables, computations, transfer of data between different applications and application environments, functions and graphs to process and present data; • demonstrate the ability to solve problems by analysing and implementing structured programming		

techniques, data manipulation and data representation, event-driven applications in the spread sheet developments environment;
- proof insight into the ethical issues of the broader IT-world and be aware of the risks and dangers that challenge the IT-world;
- demonstrate a communication skill in writing a report after a project is completed.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW123	**Semester 2**	**NQF level: 5**

Title: Graphical Interface Programming I

Module outcomes:
On completion of the module the student should be able to:
- demonstrate knowledge to write a computer program that requires theoretical foreknowledge;
- solve problems by applying theoretical foreknowledge;
- demonstrate that he/she has sufficient foreknowledge and insight into the graphical interface environment to develop computerized systems in an object-oriented computer language;
- demonstrate an understanding and the ability to implement the repeat, conditional and sequential structures;
- aspects like graphical interface design, event-driven programming procedures and object oriented programming as a basis have been established.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW211	**Semester 1**	**NQF level: 6**

Title: Graphical Interface Programming II

Module outcomes:
On completion of the module the student should be able to:
- demonstrate a solid knowledge of multi-threading, string processing, databases, data structures and sets and show intelligent insight into the theory of graphical programming interfaces;
- design systems that is directed to industry and is user friendly and apply professional and ethical codes;
- identify problems, critically analyse them and suggest solutions by designing and developing computer applications with the emphasis on user friendly interfaces;
- demonstrate the ability to communicate/demonstrate solutions/programmes as individual or in a group by using applicable academic/professional oral or written reasoning.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW213	**Semester 1**	**NQF level: 6**

Title: Systems Analysis and Design I

Module outcomes:
On completion of the module the student should be able to:
- demonstrate sufficient knowledge and insight into project management techniques and apply the phases and techniques of the system development life cycle when the system is planned, analysed and developed;
- demonstrate that he/she can correctly apply and use the phases and techniques of a project as individual or in a group, manage a practical project by applying project management techniques, think and behave in an innovative and creative way when a computerized system is designed and developed;
- successfully write reports of projects and present it orally;
- apply a professional attitude towards clients and use computer resources ethically and responsible when they create, complete and deliver IT projects.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW225	Semester 2	NQF level: 6
Title: Systems Analysis and Design II		
Module outcomes: On completion of the module the student should be able to: • demonstrate sufficient knowledge and insight into project management techniques and the phases of the system life cycle to apply when a system is designed and implemented; • demonstrate that he/she can correctly apply and use the phases and techniques of a project as individual or in a group, manage a practical project by applying project management techniques, will think and behave in an innovative and creative way when a computerized system is designed and developed; • successfully write reports of projects and present it orally; • apply a professional attitude towards clients and use computer resources ethically and responsible when they create, complete and deliver IT projects.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW311	**Semester 1**	**NQF level: 7**
Title: Data Bases I		
Module outcomes: On completion of the module the student should be able to: • apply a rounded and systematically knowledge and insight of entity relation modelling; normalization of database tables; write SQL and PL/SQL statements; apply procedures to design databases and retrieve information to solve known and abstract computer problems within the database environment.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: ITRW321	**Semester 2**	**NQF level: 7**
Title: Data Bases II		
Module outcomes: On completion of the module the student should be able to: • apply a rounded and systematically knowledge and insight of transaction management, management of simultaneous use, distributed databases management systems and database administration as an individual or in a group, applied on the administration of databases to solve known and abstract computer problems within the database environment.		
Method of delivery: Full-time		
Module code: IURI111	**Semester 1**	**NQF level: 5**
Title: Law of Persons		

Module outcomes:
On completion of the module the student should be able to demonstrate:
• fundamental knowledge and informed understanding of the law of persons, with special reference to:
  • the legal subjectivity of natural and juristic persons;
  • the important terms, rules, concepts general principles and theories;
  • constitutional provisions, objectives and values in terms of which the traditional law of person must be evaluated, developed and transformed;
  • the most recent and modern developments with regard to the law of persons;
  • relationship between law of persons and other areas of legal study.
• an ability to apply the knowledge to the analysis of given set of facts and the formulation of solutions or adaptations to solutions, individually or in groups;
• an ability to locate, identify and extract the concepts, principles and rules of the law of persons from a diverse range of sources in particular: law reports, statutes, textbooks and journal articles and apply these in relevant contexts,;
• an ability to present written and/or oral arguments, either individually or in a group, on the concepts, principles and rules of the law of persons so as to demonstrate an understanding of the relevant concepts, principles and rules of the current legal debates involving the family and children;
• responsibility for monitoring of own learning progress and application of relevant learning strategies and management of resources to successfully realize all outcomes of this module.		

Method of delivery: Full-time		

Module code: IURI121	Semester 2	NQF level: 5
Title: Indigenous Law		

Module outcomes:

On completion of the module the student should be able to demonstrate:

- Knowledge and informed understanding of the terms, concepts, principles, aspects and theory relevant to the field of the Indigenous Law, with special reference to:
  - The introduction and background to legal pluralism and African customary law
  - General principles of law of persons and law of the family
  - General principles of law of succession
  - General principles of law of property and law of contract
  - Law of delict;
- Understanding of the origin and development of knowledge within the field of Indigenous Law with a view to compare African indigenous legal rules with rules in other legal systems.;
- Ability to select, plan, implement and manage standard methods of basic research by gathering, interpreting and synthesizing legal material, to solve problems relating to an aspect identified from the field of Indigenous Law ;
- Ability to distinguish, evaluate and solve routine and new problems related to indigenous law in familiar contexts and to apply the solutions to support progress in the practice of practical legal problems;
- Ability to operate as part of a group/team and make appropriate contributions to successfully demonstrate an understanding of the relevant legal debates regarding indigenous legal rules, taking co-responsibility for learning progress and outcomes realization of the group in order to contribute valuable and appropriate information towards the successful completion of the task ;
- Professional and ethical behavior within an academic and discipline-related environment, with sensitivity towards societal and cultural considerations as the module deals with diverse cultures.

Method of delivery: Full-time

Module code: IURI171	Year module	NQF level: 5
Title: Introduction to Law		

Module outcomes:

On completion of the module the student should be able to demonstrate:

- knowledge and informed understanding of the concept of the law in general; perspectives on law legal terminology; legal processes; sources of South African law; classification of South African law; court structures; constitutional developments; the solving of legal problems; as well as the retrieval and utilization of legal sources during basic research activities;
- the range of skills necessary to be able to study and practice law in the South African, regional and international contexts;
- ability to select, implement and manage standard legal information, sources, processes and principles, as well as a hybrid of legal skills, to solve basic integrated real-life and/or hypothetical legal problems in the South African context with specific reference to social justice, human rights, citizenship and professional conduct, through the use of effective study, reading, writing, verbal communication, numeracy and critical thinking skills
- Basic research skills such as gathering, verifying, analyzing and summarizing legal information from various sources of law; as well as the ability to communicate research findings, verbally and in writing, via different technologies and media, in an accurate and coherent manner, with understanding of copyright protection and rules on plagiarism;
- ability to operate as part of a group and make appropriate contributions through the use of multiple standard legal skills to successfully complete tasks and projects, taking co-responsibility for learning progress and realization of collective objectives; and
- monitor and reflect on own learning progress and implement relevant learning strategies to improve learning and to lay the foundation for further study of law and lifelong application and development of skills.

Method of delivery: Full-time

Assessment methods:

Module code: IURI172	Year module	NQF level: 5
Title: History of South African Law		

Module outcomes:

On completion of the module the student should be able to demonstrate:

- knowledge and informed understanding of a) the external and internal foundations of South African Law b) the different sources of knowledge relevant to the field of South African Law and c) the manner in which knowledge developed and evolved in this field;
- ability to select, plan, implement and manage standard rules and methods to solve relevant problems within the field of the internal foundations of South African Law;

- ability to distinguish and solve routine discipline-related problems in familiar contexts;
- basic research skills such as gathering and verifying information from various sources, analysis and summary of key legal aspects; as well as the ability to communicate findings, verbally or in writing, via different technologies and media, in an accurate and coherent manner, with understanding of copyright and rules on plagiarism;
- the ability to operate as part of a group and make appropriate contributions to successfully complete a task, taking co-responsibility for learning progress and outcome realization of the group; and
- monitor own learning progress, implement relevant learning strategies to improve learning, and manage resources effectively to successfully realize task outcomes.

Method of delivery: Full-time

Module code: IURI173	**Year module**	**NQF level: 5**

Title: Family Law

Module outcomes:

On completion of the module the student should be able to demonstrate:

- informed and systematic knowledge and coherent understanding of, as well as an ability to correctly apply the principles of family law, with special reference to:
  - the legal requirements for marriage
  - the invariable consequences of marriage
  - the variable consequences of marriage
  - legal prescripts relating to divorce and the personal and patrimonial consequences of divorce
  - the parent-child relationship
- an ability to apply knowledge to the analysis of given sets of facts and the formulation of solutions or adaptations to solutions, individually or in groups.
- an ability to select, evaluate and formulate legal arguments and apply acquired knowledge to practical family-law problems;
- an ability to analyze any selected set of facts, extract the concepts and critically evaluate legal material (the Constitution, legislation, case law and academic opinion) relating to family law; and
- an ability to present written and/or oral arguments, either individually or in a group, on the concepts, and principles of family law so as to demonstrate an understanding of the relevant legal debates involving the family and children.

Method of delivery: Full-time

Module code: IURI174	**Year module 2**	**NQF level: 5**

Title: Language Skills and Legal Context I

Module outcomes:

On completion of the module the student should be able to demonstrate:

- knowledge and informed understanding of, and the ability to apply: grammatical structures in English and Afrikaans or Tswana, within legal context; an extensive English and Afrikaans or Tswana vocabulary pertaining to the legal environment, and different writing styles and reading skills applicable to the legal profession;
- ability to select and apply a hybrid of reading comprehension skills (including translation skills) in distinguishing, analyzing, interpreting and critically evaluating different texts;
- ability to clearly and logically communicate about and/or critically argue a legal issue, question or problem in writing in accordance with the Law Faculty's style requirements in an accurate, effective and coherent manner, with understanding of the rules on plagiarism;
- ability to operate as part of a group and make appropriate contributions through the use of multiple legal and language skills to successfully complete writing and other communication tasks and projects, taking co-responsibility for the acquisition of language skills and realization of collective objectives; and
- an ability to monitor and reflect on own learning progress, acquisition of different language skills and use of relevant learning strategies and reading to improve the ability to communicate verbally and in writing and to lay the foundation for the practice of the law and lifelong application and development of language skills

Method of delivery: Full-time

Module code: IURI211	Semester 1	NQF level: 6
Title: Criminal Law		

Module outcomes:

On completion of the module the student should be able to demonstrate:

- detailed knowledge and understanding of the general principles of Criminal Law with specific reference to:
- the place of Criminal Law in the legal system;
- the history and sources of Criminal Law;
- theories of punishment;
- the general elements of a crime;
- participation in crime;
- attempt, conspiracy and incitement; as well as understanding of how this knowledge is relevant within the different fields of Criminal Law.
- understanding of the origin and development of knowledge and critical understanding of schools of thought and forms of explanations used in the fields of Criminal Law;
- problem solving skills through critical analysis, information retrieval, evaluation of gathered information and the formulation and presentation of possible solutions of well-defined but unfamiliar law-related problems;
- ability to communicate information in written and verbal format, in a coherent manner, befitting this level of study and the acceptable in-house writing style, by means of appropriate technologies, in an ethically sound and value-driven manner; the ability to act as a group member and a group leader and contribute appropriate information/skills to successfully complete a project, measuring the success of the task completion against given criteria, taking co-responsibility for learning progress and outcome realization of the group in the different fields of Criminal Law.

Method of delivery: Full-time

Module code: IURI213	Semester 1	NQF level: 6
Title: Legal Interpretation		

Module outcomes:

On completion of the module the student should be able to demonstrate:

- detailed knowledge and understanding of the place, role, authority and status of legislation, common law and customary law as sources of law under a supreme constitution;
- detailed knowledge and understanding of the concepts, theories, methods, strategies and approaches relevant to the field of statutory interpretation and constitutional interpretation;
- understanding of the ethical implications of judicial approaches to legal interpretation;
- discipline-specific methods and techniques of scientific enquiry and information gathering on legal interpretation from legislation, case law, policy documents and other relevant discipline-related sources, analyze, evaluate and synthesize the information and apply your conclusions/research to a given context in the field of legal interpretation;
- accurate and coherent written and verbal communication of assignments related to the mastering of interpretative legal skills, either individually or within group context, with understanding of and respect for intellectual property conventions, copyright and rules on plagiarism; and
- an ability to monitor own mastery of legal interpretation skills and use of appropriate resources to ensure successful realization of the outcomes of this module.

Method of delivery: Full-time

Module code: IURI221	Semester 2	NQF level: 6
Title: Criminal Law		

Module outcomes:

On completion of the module the student should be able to demonstrate:

- detailed knowledge and understanding of Criminal law with special reference to the principles governing a selection of specific crimes against the state, personal and bodily freedom or integrity, and crimes against property;
- correct application of terminology specific to Criminal law and the in-house style of communication, in written and verbal presentations by means of appropriate technologies, incorporating ethically sound and value-based arguments;
- skill in the analysis of crimes, in terms of common or statutory Criminal law. and selection and application of the relevant statutory and common law rules and principles in which the state may convict and punish perpetrators for the unlawful, blameworthy acts or omissions that constitute specific crimes in context, in sets of fact;
- problem solving skills by analyzing sets of facts and formulating solutions with reference to applicable case law and legislative provisions in the practice of Criminal Law; and
- participation in group discussions or projects to solve pertinent problems pertaining to the field of specific

crimes, taking into account ethics and sound values.

Method of delivery: Full-time

Module code: IURI222	Semester 2	NQF level: 6

Title: Labour Law

Module outcomes:

On completion of the module the student should be able to demonstrate:

- a detailed knowledge and understanding of the principles of Labour Law and related concepts or rules/principles pertaining to governing the contract of employment, procedures required by legislative provisions, the individual and collective labour relationships and influence of the Constitution on this field of study;
- an understanding of the origin and historical development of knowledge within the field of Labour Law, and critical understanding of different schools of thought and concepts within the field of Labour Law and its relevance to the practice of Labour Law today;
- ability to select, evaluate and apply legal principles to solve fundamental problems in a defined environment in the field of Labour Law;
- ability to distinguish and solve labour-related problems in unfamiliar contexts and to provide solutions to support progress in the practice of Labour Law, understanding the ethical implications of decisions, actions and practices specifically relevant to this field of practice;
- discipline-specific methods and techniques of scientific enquiry from relevant sources, leading to evaluation and synthesis of relevant information and logical conclusions and recommendations in a given context in the field of Labour Law; and
- individually or as member of a group and via applicable media, present information and legal arguments in an accurate and coherent written and verbal format with understanding of and respect for intellectual property conventions, copyright and rules on plagiarism.

Method of delivery: Full-time

Module code: IURI223	Semester 2	NQF level: 6

Title: Fundamental Rights

Module outcomes:

On completion of the module the student should be able to demonstrate:

- detailed knowledge and an understanding of key terms, concepts, principles, rules and theories relevant to the fields of international human rights and South African fundamental rights respectively, and an understanding of how that knowledge and different theories regarding fundamental rights have evolved over time to inform legal practice as we know it today;
- the ability to distinguish, analyze and solve South African fundamental rights related problems in unfamiliar contexts and to apply those solutions to support the development of a South African fundamental rights culture while understanding the ethical implications related to the implementation of those solutions in practice;
- individually and as leader of a group and via applicable technologies, communication of researched and correctly interpreted information in written and verbal format with an understanding of and respect for intellectual property conventions, copyright and rules on plagiarism , the ability to apply effective learning and self-monitoring strategies to manage resources in order to complete assignments pertaining to the field of Fundamental Rights in South African context.

Method of delivery: Full-time

Module code: IURI272	Year module	NQF level: 6

Title: Law of Property

Module outcomes:

On completion of the module the student should be able to demonstrate:

- detailed knowledge and understanding of the relationship between a person and his/her assets in relation to the nature of the assets and the origin, consequences, constitutional implications and termination of the relationship, and understanding of how that knowledge relates within the different fields in the same disciplines;
- ability to select, evaluate and apply with discernment those standard rules and methods relating to the acquisition and protection of ownership, possession, holder ship and limited real rights to solve fundamental problems in a defined environment in die field of property law ;
- ability to distinguish and solve property-related problems in unfamiliar contexts and to apply the solutions to support progress in the practice of property law;
- discipline-specific methods and techniques of scientific enquiry and information gathering on property law and related disciplines of this study year from relevant discipline-related sources, analyze, evaluate and synthesize the information and apply your conclusions/research to a given context in the field of property law;
- accurate and coherent written and verbal communication of individual and group tasks and projects with

understanding of and respect for intellectual property conventions, copyright and rules on plagiarism

Method of delivery: Full-time

Module code: IURI273	Year module	NQF level: 6

Title: Law of Delict

Module outcomes:

After completion of the module the student should be able to demonstrate:

- a detailed knowledge and understanding of the principles of the Law of Delict, circumstances under which delicts and delictual actions arise, the requirements for liability and termination of delictual liability, specific delicts, assessment and quantification of damages and the different legal remedies available within the private law and new constitutional dispensation and understanding of how that knowledge relates within the different fields in the same disciplines;
- an understanding of the origin and historical development of knowledge within the field of Law of Delict, and critical understanding of schools of thought and forms of explanations typical within the field of Law of Delict and how these relate to practice;
- ability to select, evaluate and apply with discernment those standard methods to distinguish and solve fundamental delictual problems in a defined environment and in unfamiliar contexts, and to provide solutions to support progress in the practice of Law of Delict;
- an understanding of the ethical implications of decisions, actions and practices specifically relevant to Law of Delict, with reference to the nature of a delict and its place in the legal system; the distinction between delict, breach of contract and criminal actions; the historical development of delictual liability; and the influence of the constitutional Bill of Rights on the Law of Delict;
- discipline-specific methods and techniques of scientific enquiry and information gathering on subject-related topics from relevant discipline-related sources, analyse, evaluate and synthesize the information and apply conclusions/research to a given context in the field of Law of Delict;

Method of delivery: Full-time and **Part-time*: Owing to specific capacity constraints, this module may not be offered part-time

Module code: IURI274	Year module	NQF level: 6

Title: Language and Legal Communication

Module outcomes:

On completion of the module the student should be able to demonstrate:

- detailed knowledge and understanding of the theory of effective communication and communication models as applicable in the legal profession;
- an ability to conduct research according to selected methodologies and draft (write) logically flowing and coherent legal texts (including essays and legal opinions), meeting professional language (spelling, grammar) and formatting standards;
- understanding of the practice of clear and logical verbal communication;
- ability to clearly and logically communicate in writing about and/or critically argue a legal issue, question or problem in accordance with the Law Faculty's style requirements via different technologies and media in an accurate, effective and coherent manner, with understanding of the rules on plagiarism;
- ability to operate as part of a group and make appropriate contributions through the use of multiple legal and language skills to successfully complete writing and other communication tasks and projects, taking co-responsibility for the mastering of language skills and realization of collective objectives;
- the ability to monitor and reflect on own learning progress, acquisition of different language skills and use of relevant learning strategies and reading to improve the ability to communicate orally and in writing and to lay the foundation for the practice of the law and lifelong application and development of language skills; and
- knowledge of and the ability to effectively and correctly use an extensive vocabulary in English and Afrikaans or Sesotho (as applicable).

Method of delivery: Full-time

Module code: IURI373	Year module	NQF level: 7

Title: Law of Contract

Module outcomes:

After completion of the module the student should be able to demonstrate

- integrated knowledge and understanding of, as well as an ability to correctly evaluate and apply the legal principles relating to the Law of Contract, different areas of specialization within the field of Law of Contract, and understanding of how that knowledge relates to other fields or practices within other disciplines especially the Law of Specific Contracts , but also other fields within the Law of Obligations namely the Law of Delict and the Law of Unjustified Enrichment;
- understanding of contested knowledge within the field of Law of Contract, and critical evaluation of suppositions and those explanations typical within the field of Law of Contract and use well-founded reasoning to integrate information into coherent and well-argued reports;

- ability to select, evaluate and apply a range of different but appropriate methods and scientific methods of enquiry to do focused research and resolve problems that will effect change within practice including the drafting of contracts;
- ability to identify, analyse, critically reflect on and address complex contractual problems relating to the conclusion of the contract or the breach thereof and apply evidence-based solutions with theory-driven arguments;
- reflection of all values, ethical conduct and justifiable decision making appropriate to the practice of the general principles of the Law of Contract with reference to the nature and grounds for contracts; the coming into existence of a contract ; the requirements for a valid contract; the contents and effects of contracts; breach of contracts and the applicable remedies; transfer and termination of rights and obligations; and the drafting of contracts;
- the ability to monitor own learning progress and apply relevant learning strategies individually or in a group, and management of resources to successfully realize all learning outcomes of this module.:

Method of delivery: Full-time

Module code: IURI412	**Semester 1**	**NQF level: 8**

Title: Introduction to Jurisprudence

Module outcomes:

On completion of the module the student should be able to demonstrate:

- integrated knowledge of and engagement in law and jurisprudence and critical understanding and application of the historical development, fundamental principles, skills and theories relevant to the subject;
- an ability to critically interrogate multiple sources of knowledge within the field and critically evaluate and review the knowledge and the manner in which the knowledge was produced;
- ability to select, evaluate and apply a range of different but appropriate research skills and methodologies of enquiry to reflect on and then address complex or abstract problems and contribute to positive change within legal scholarship and practice;
- the ability to use the acquired knowledge and skills to critically judge the ethical conduct of others within different cultural and social environs, and to effect change in conduct where necessary;
- accurate, coherent, appropriate and creative presentation and communication of innovative and new professional ideas/texts/methods/paradigms to a range of relevant audiences;
- operate effectively within a team/system and/or manage a team/group/system in any given discipline-related context and demonstrate logical and critical understanding of the roles of all players/ persons/ elements of this system in order to solve legal and ethical problems, monitoring the progress of the team/group/process and taking responsibility for task outcomes and application of appropriate resources; and
- Self-regulated learning skills.

Method of delivery: Full-time

Module code: KCOM226	**Semester 2**	**NQF level: 6**

Title: Effective Communication

Module outcomes:

On completion of the module, the student should be able to:

- communicate audibly (voice and speech), understandably (language use, organisation and audience adapting) and with conviction (non-verbal communication);
- know the theoretical guidelines for effective spoken communication and reproduce these clearly and explicitly during presentations;
- know and reproduce the theoretical guidelines for the successful writing of reports and memo's so well (choice of words, sentences, format, medium, expression) that he/she will be able to apply these in practice in his/her specific field.

Method of delivery: Full-time and part-time

Assessment methods: Formative 50% Summative 50%

Module code: LARM111	**Semester 1**	**NQF level: 5**

Title: Introduction to Workplace Relations

Module outcomes:

The student should be able to:

- demonstrate knowledge of, insight into the terminology, core principles and theories, and background of Industrial Sociology as it is applied in business;
- demonstrate a fundamental knowledge and insight of the study field of Industrial Sociology;
- describe the role of the worker and organisations as part of the broader society;
- show an understanding of the inter-relationship between business and the community and;
- demonstrate the ability to collect information regarding the responsibility of people and the community.

Method of delivery: Full-time and part-time

Module code: LARM211	Semester 1	NQF level: 6
Title: Occupational Management		
Module outcomes: The student should be able to: • demonstrate an informed comprehension of the challenges in occupations, motivation to work, conflict between occupations and role theory; • display a fundamental knowledge of how an organisation structure can influence a business; • analyse, interpret and relay unknown problems related to mobility; • understand stratification and the working of the organisation on different levels and; • evaluate socio-demographic and economic trends which can affect work wellness.		
Method of delivery: Full-time and part-time		
Assessment method: See study guide		
Module code: LARM221	**Semester 2**	**NQF level: 6**
Title: Group Dynamics		
Module outcomes: The student should be able to: • demonstrate knowledge of, and insight into the terminology, core principles and theories, and background of work-group dynamics as it is applied in groups within the workplace; • display an in-depth knowledge and understanding of the structure, significance and functions of different groups as sub-systems in interaction within the workplace; • work in groups - addressing and analysing problems in well-defined group situations and reporting the findings in an assignment conforming to the prescribed Labour Relations Management format		
Method of delivery: Full-time and part-time		
Assessment modes: See study guide		
Module code: LARM311	**Semester 1**	**NQF level: 7**
Title: Theory and Practice of Labour Relations		
Module outcomes: The student should be able to: • show insight into and knowledge of the theory and practice of labour relations. earners will be assessed on their ability to replicate information regarding employment relations, modalities that influence the regulation of labour relations, tripartite relationships, industrial democracy, participation and representation, and the development of labour relations in South Africa. This will be assessed by means of knowledge based evaluations, including class tests and an examination. Knowledge based assessment will be associated with the evaluation of this objective and recalling of knowledge will be the main assessment ("define", 'name', identify", etc.). • display an in-depth knowledge and understanding of various aspects. Learners will be assessed on the interpretation and understanding of legislation, labour unions, collective bargaining and the way all of these aspects influence the labour environment, the interpretation and understanding of labour economics, South African labour market, and some future patterns and predictions – Labour relations in South Africa Comprehension comprises that study material must be understood in order to enable the learner to produce, summarise, explain or interpret in his/her own words without necessarily having to apply it. Therefore assignments and class tests will be successful assessment methods. • Know and understand the dynamics of labour relations. Their combination of the abilities to apply, analyse and synthesise the aspects of labour relation management that need to be implemented in workplaces will be the assessment criteria of this outcome. Apply ethical principles in labour relations; to reveal knowledge on managing labour relations effectively in the business / organization and ethics in labour relations. Therefore, assignments and class tests will be successful assessment methods.		
Method of delivery: Full-time and part-time		
Assessment method: See study guide		

Module code: LARM321	Semester 2	NQF level: 7
Title: Management of Labour Relations		
Module outcomes: The student should be able to: • demonstrate a sound and systematic knowledge of labour relations management; • display comprehension of the various aspects of the law of contract that applies to the contract of employment; • demonstrate knowledge of labour legislation and the enforcement thereof; • master the implementation and management of labour relations in the workplace; • relay and criticise the South African mechanism for the settlement of labour disputes • function effectively in groups; • apply ethical principles in labour relations.		
Method of delivery: Full-time and part-time		
Assessment method: See study guide		
Module code: LARM322	**Semester 2**	**NQF level: 7**
Title: Conflict Management		
Module outcomes: The student should be able to: • demonstrate knowledge of, and insight into the terminology, core principles and theories, and background of Conflict as it is applicable to groups within the workplace; • display an in-depth knowledge and understanding the importance of utilising appropriate management skills to deal with conflict within the workplace; • evaluate conflict participants, address and analyse conflict in well-defined situations and report the findings and suggest ways of solving/managing the conflict in an assignment conforming to Labour Relations Management formats.		
Method of delivery: Full-time and part-time		
Assessment method: See study guide		
Module code: MACC211	**Semester 1**	**NQF level: 6**
Title: Management accounting: Cost terms, -elements and –systems.		
Module outcomes: On completion of the module the student should be able to: • demonstrate a sound knowledge and understanding of the subject management or management accounting and to become familiar with the cost terms and concepts which are applicable to managerial accounting; • demonstrate your ability to deal with material and labour costs in manufacturing organisations as well as overhead cost; • demonstrate a sound knowledge and understanding of how to deal with overhead cost, as part of product cost (manufacturing cost) and as period cost (non-manufacturing costs); • demonstrate a sound knowledge and understanding of cost and income statements in organisations and how to determine the net income for a period after determining the cost of goods manufactured and cost of goods sold; • demonstrate a sound knowledge and understanding, and your ability to design a job-order costing system for an organisation and to apply as to the organisation's needs; • demonstrate a sound knowledge and understanding of a process costing system. You should also be able to determine the cost price per unit completed, based on the three cost elements namely direct material, direct labour and manufacturing overhead on an individual base, as well as a preparation of a cost and production report by making use of the weighted-average- and the first-in-first-out (FIFO) method where normal and abnormal spoilage occur.		
Method of delivery: Full-time and Part-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		
Module code: MACC221	**Semester 2**	**NQF level: 6**
Title: Management Accounting: Cost Behaviour Patterns and Decision-making Techniques		
Module outcomes: On completion of the module the student should be able to: • do a cost estimation by using a cost equation, and to prepare an income statement by using the contribution format; • understand the relationship between cost, volume and profit and the application of this relationship in decision-making; • become aware of the cost-volume-profit relationships when multiple products are dealt with in organisations, and the relevant information to take note of when decision-making occurs;		

- allocate joint costs to products, account for by-products, and make decisions as to whether a product should be further processed or terminated;
- allocate service department costs by using the most appropriate allocation bases and allocation method for the service department cost;
- apply linear programming as a technique for decision-making in organisations.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: MACC311	**Semester 1**	**NQF level: 6**

Title: Management Accounting: Planning and Control

Module outcomes:

On completion of the module the student should be able to:

- demonstrate knowledge and insight of the ethics of the management accountant in exercising his / her responsibility in an organisation;
- demonstrate knowledge and insight of the planning process and to prepare short term and long term budgets for an organisation;
- prepare flexible budgets for various activity levels of an organisation, and to analyse and interpret cost variances for controlling purposes;
- demonstrate knowledge and insight of standard costing as cornerstone of budgeting, and to analyse and interpret standard cost variances;
- demonstrate knowledge and insight of direct and absorption costing systems used for internal and external reporting purposes;
- demonstrate knowledge and insight in segmental reporting and transfer prices. .

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: MBXR217	**Semester 1**	**NQF level: 6**

Title: Sport Management

Module outcomes:

On completion of the module the student should be able to:

- apply applicable factual knowledge with regard to management tasks in sport;
- know, interpret and reflect the various definitions with regard to sport management;
- interpret and reflect management communication skills practically;
- understand and develop a financial management system of a sport club.

Method of delivery: Full-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: MBXR218	**Semester 1**	**NQF level: 6**

Title: Sport Commercialization, Sport Development and Sport Law

Module outcomes:

On completion of the module the student should be able to:

Sport commercialization

- understand and explain the definition of sport commercialization;
- analyse, understand and apply strategic marketing management;
- develop and implement a sport marketing plan in full;
- determine and understand the different behaviour patterns in sport consumers;
- define, understand and explain market segmentation as well as strategies and techniques,
- the sport product, promotions, retail and price strategies and apply it effectively;

Sport development

- manage facilities for the development of sport;
- plan, work out and apply a complete session with children;
- establish a club;
- understand the sport structures in South Africa;

Sport law

- apply law enforcement on sport, taking general-, criminal-and civil law into consideration;
- understand the establishment and compilation of constitutions regarding clubs/associations/unaffiliated associations according to law;
- know the legal aspects concerning injuries between two or more parties during matches, disciplinary processes as well as persons responsible during events/tournaments;
- reflect knowledge and fully understand trademarks, and related legal aspects for instance copy right, patents, law as well as ethical concepts;
- employ a person according to legal guidelines on labour relations, and compile a contract in line with

these specifications.

Method of delivery: Full-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: MBXR219	**Semester 1**	**NQF level: 6**

Title: Sport Organization and Administration

Module outcomes:

On completion of the module the student should be able to:

- integrate complete knowledge and skills of human movement with the principles of recreation and adventure practices applicable to sport, health and human development in the acquisition of applied skills by problem solving, executing of projects, dealing with true-life case studies and practice-centred scenarios;
- link evidence-driven interpretation through analysis, synthesis and evaluation to research results by founding it theoretically and effectively communicate it individually or in a group in writing by means of Information Technology and verbally to laymen and professional audiences;
- demonstrate that in reaching outcomes, reasoning and communication are based on a pure world and life philosophy and an established value system.

Method of delivery: Full-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: MLAW111	**Semester 1**	**NQF level: 5**

Title: Introduction to Business and Contract Law

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a general knowledge of the general principles of the law of contract and the general principals of business law;
- apply the principles in a basic case study and make a recommendation;
- identify and solve a basic legal problems;
- logically and systematically formulate and argue a legal point of view;
- show insight in the connection between different aspects of the law of contracts and business law.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: MLAW121	**Semester 2**	**NQF level: 5**

Title: Mercantile Law: Business forms

Module outcomes:

On completion of the module the student should be able to show the theoretical and practical knowledge of the law regarding the different forms of enterprises by:

- demonstrating a sound knowledge and insight of the law regarding partnership, close corporations and certain aspects of the company law;
- analysing case studies and providing legal advice;
- applying the applicable legal rules or norms regarding the different forms of enterprises to the establishment thereof, membership requirements, internal and external relationships;
- applying the rules in the practise.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: MLAW211	**Semester 1**	**NQF level: 6**

Title: Mercantile Law: Advanced Company Law

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete theoretical and practical knowledge of the law regarding the general principles and administration of companies and demonstrate an ability to apply in case studies the relevant statutory and common law principals – with specific reference to: corporate functionaries, capacity and representation, offer of shares for subscription and sale, share capital, majority rule and minor protection, company financial statements, auditors, company groups, reorganizations and arrangements, judicial management and winding up of companies and close corporations.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: PETH211	Semester 1	NQF level: 6
Title: Professional Ethics for Accountants		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a fundamental knowledge and understanding of world views and ideologies by analysing, synthesising and a critique of
  - the nature and function of, as well as the similarities and differences between world views and ideologies;
  - different important contemporary manifestations of these views;
  - the influence of these views on issues of our time and world (including poverty, change, human rights, HIV-AIDS, power abuse, corruption, scholarship, etc.);
- demonstrate understanding for the interrelatedness of phenomena and of natural and social systems;
- articulate a personal world view and a coherent own view about some of the core issues and problems of our time;
- analyse and evaluate real life problems and case studies and argue and give feasible answers to these problems from an own established world view;
- report on his/her knowledge and viewpoints in a typical academic manner;
- illustrate a sound introductory understanding of the ethical dimension of individual and social life experiences within the context of cultural diversity;
- understand and explain the virtue theory and deontological an utilitarian ethics and the relevance thereof for business and professional ethics on basic level;
- demonstrate his/her ability to apply ethical decision-making strategies, for instance, case studies;
- show an understanding of the classical liberal approach to the role of business and government in society as well as the basic principles of a fair tax system;
- show a sound introductory understanding of selected socio-economic ethical issues applicable to business and in professional practice and understand and explain it;
- show an introductory understanding of selected issues and approaches in Business Ethics in South Africa and internationally;
- have basic knowledge and understanding of corporate control in South Africa including organisations and conformation;
- place in ethical perspective the knowledge and basic skills with reference to the nature of organisations and management and demonstrate the ability to link these skills and knowledge with appropriate case studies;
- demonstrate sound knowledge of the nature of professionalism in general as well as concerning the ethical aspects;
- demonstrate an understanding of the goals, structures and content of selected ethical codes of business and professions;
- have an understanding of the main ethical issues and aspects of the accounting and auditing profession and understand and apply them;
- demonstrate the ability to analyse case studies in the accounting profession with reference to decision-making, comparative ethics and diverse ethics (where applicable); and
- show an understanding of the Professional Code of Conduct for accountants and auditors in South Africa

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: PSDT111	Semester 1	NQF level: 5
Title: Professional Skills Development		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate personal attributes, such as self-management, taking responsibility and being motivated;
- know and demonstrate insight into the role of group dynamics, demonstrate an ability to work in a group, lead a group and manage diversity;
- demonstrate an ability to manage change;
- demonstrate the ability to do career planning and understand the chosen career environment.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module Code: PSYC121	Semester 2	NQF level: 5
Title: Social and Community Psychology		
Module outcomes: On completion of the module the student should be able to: • demonstrate a fundamental knowledge of and insight into the perspectives and theories on which Social and Community Psychology is based and demonstrate an informed comprehension of the concepts and terminologies as to apply it to well-defined problems or case studies like poverty, constant change, human rights, abuse of power, corruption, racism, xenophobia, etc., within a multicultural context and an insight into their interdependence; • demonstrate skills of obtaining and assimilating information to write assignments within the context of Social and Community Psychology in individual or in group context; • analyse and evaluate case studies, examples of problem situations and solutions, individually or in group context, and to reproduce these in the form of a report or consignment, verbally or written, within the prescribed conventions and formats; • demonstrate a vested conduct and ethical system towards people.		
Method of delivery: Full-time and part-time		
Module Code: PSYC211	**Semester 1**	**NQF level: 6**
Title: Development Psychology		
Module outcomes: On completion of the module the student should be able to: • form a thorough base of knowledge of the physical, cognitive, social, moral and personality development of people in each stage of the life cycle; • demonstrate thorough understanding of viewpoints about human nature, concepts, theories and fundamental terminology used in Development Psychology to communicate reliable, coherent and ethically correct information via assessment assignments; • critically evaluate, analyse and synthesise information about human development as to solve simulated problems, individually or in groups; • demonstrate a thorough understanding of academic discourses regarding the impact of diverse contexts like poverty, malnutrition, overpopulation, geographical circumstances, discrimination and inadequate social and physical stimulation on human development.		
Method of delivery: Full-time and part-time		
Module Code: PSYC212	**Semester 1**	**NQF level: 6**
Title: Personality Psychology		
Module outcomes: On completion of the module the student should be able to: • demonstrate fundamental knowledge with relevant insight of different, meta-theoretical reality and life standpoints, relevant to human functioning and personality thought frameworks, for example the psychodynamics, humanistic and eco-systematic; • explain and reason about the content and applicability of personality theories and Personality Psychology, substantiate it at the hand of suitable literature and communicate verbally and in writing through the integration of the basis of scientific methods and ethical principles; • analyse well-defined, upcoming, real problems, situations and case studies by using the most relevant procedures and techniques, specific to Personality Psychology to explain and compare the behaviour from the personality theories, reason about possible solutions and reproduce in a logical and coherent report.		
Method of delivery: Full-time and part-time		

Module Code: PSYC221	Semester 2	NQF level: 6
Title: Positive Psychology		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate an established base of knowledge of the shift from the traditional pathogenic paradigm to the saluthogenic perspectives of human functioning and from there to a balanced perspective on wellbeing/health, from pathology to flourishing as well as the implications thereof for public health;
- demonstrate an established base of knowledge of Positive Psychology/Psychofortology as a movement within the field of Psychology and demonstrate knowledge of the important concepts, rules, principles and theories related to psychological health, as to apply it to the identification and facilitation of own and others' functioning in a multicultural context;
- demonstrate the ability to solve well-defined, but unfamiliar problems related to psychological and psychosocial health, by using applicable procedures and relevant evidence from a critical analysis of different theories within Positive Psychology/Psychofortology, as well as to communicate information in a reliable and coherent way, both verbally and in writing, as to prove effective and critical reasoning;
- apply knowledge and insight of Positive Psychology/Psychofortology, both in individual and social context in a moral, ethical and culturally sensitive way with a sensitivity for, amongst others, the collective and individualistic value systems.

Method of delivery: Full-time and part-time

Module Code: PSYC311	Semester 1	NQF level: 7
Title: Psychopathology		

Module outcomes:

On completion of the module the student should be able to:

- demonstrate a complete/well-rounded and systematic knowledge of psychological disturbances, in the context of a bio-psychosocial model, in a multi-cultural context;
- show a coherent and critical understanding of the relevant concepts and terminology, theories, and processes and techniques of the Psychopathology applicable within the professional context so to apply it to undefined and more complex problematic situations, as it occurs in case studies;
- demonstrate an understanding of pathology and interventions in the context of primary, secondary and tertiary healthcare;
- demonstrate the ability to source and process information to complete written assignments;
- critically analyse case studies or examples, individually and in group context and to present an integrated, own opinion based on theoretical grounds and to communicate it in report form according to prescribed conventions of the subject;
- demonstrate a solid moral system and ethical code of conduct in all forms of communication and interaction.

Method of delivery: Full-time and part-time

Module Code: PSYC312	Semester 1	NQF level: 7
Title: Research and Psychometrics		

Module outcomes:

On completion of the module the student should be able to:

- explain the nature and processes of psychological evaluation as embedded in the different perspectives on reality and human functioning;
- know the basic attributes and technical requirements of psychological tests and to explain and evaluate (verbally and in writing) how tests and tests norms are developed;
- evaluate the usefulness of psychological tests at the hand of their psychometrical attributes, taking into account the ethical aspects;
- explain the control and the use of assessment measuring instruments in diverse populations through the use of suitable standards and norms;
- demonstrate a coherent and informed comprehension of the research process for both quantitative and qualitative research against the background of the perspectives on reality;
- attain information from virtual and other sources independently and synthesise to complete tasks such as work assignments and projects;
- critically analyse and evaluate research articles, formulate an independent opinion based on supporting theories and write a report, based on the APA conventions.

Method of delivery: Full-time and part-time

Module Code: PSYC321	Semester 2	NQF level: 7
Title: Basic Assistance Rendering/Auxiliary Work and Ethical Behaviour		
Module outcomes: On completion of the module the student should be able to: • demonstrate a fundamental knowledge of a general model, the therapeutic process, typical assistance skills, a few selected fields of application (for example aids and post-traumatic stress guidance) and the ethical code of assistance, and show a coherent and critical understanding of the relevant concepts, principles and theories of this field of study as to apply it within undefined complex problematic situations and ethical questions as it appears in case studies; • critically analyse case studies or examples, individually and in group content and to present an own opinion based on theoretical grounds and to communicate such in report form according to the prescribed conventions of the subject.		
Method of delivery: Full-time and part-time		
Module Code: PSYC322	**Semester 2**	**NQF level: 7**
Title: Applied Psychology		
Module outcomes: On completion of the module the student should be able to: • demonstrate a well-rounded and systematic base of knowledge of human functioning at all levels of human development in a multi-cultural context and to facilitate it in practice or simulated situation, on an integrated level; • demonstrate a critical understanding of perspectives on human functioning from an own coherent world viewpoint; • demonstrate effective selection and application procedures for gathering of qualitative and quantitative information and integrate it to illustrate ability to solve unknown, concrete and/or abstract problems by using witness based solutions and theory driven arguments; • demonstrate a set system of values and ethical behaviour in all forms of communication and interaction; • show the ability to apply and use the prescribed format, which is applicable in Psychology, in all forms of communication.		
Method of delivery: Full-time and part-time		
Module code: RKKX113	Semester 1	NQF level: 5
Title: Introduction to Recreation Science		
Module outcomes: On completion of the module the student should be able to: • reflect basic/fundamental knowledge on the historic development of recreation, the status of recreation provision in South Africa as well as recreation structures within South Africa; • demonstrate effective and efficient skills concerning the role of a recreationist within the present-day community; • show a coherent critical understanding of the social, psychological, physical and environmental advances of recreation participation as well as the different programme areas and formats; • reflect and stimulate an ethical accountable attitude towards the different forms of recreation.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: RKKX123	**Semester 2**	**NQF level: 5**
Title: Introduction to Outdoor Recreation		
Module outcomes: On completion of the module the student should be able to: • reflect basic/fundamental knowledge and critical understanding on the historic development of outdoor recreation; • demonstrate effective and efficient evaluation skills to solve known problems regarding safety management in an accountable manner; • show a coherent and critical understanding on the philosophical foundations and key principles of recreation; • supply outdoor recreation from an established ethical value system.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		

Module code: RKKX214	Semester 1	NQF level: 6
Title: Recreation Leadership		
Module outcomes: On completion of the module the student should be able to: • demonstrate fundamental knowledge regarding recreation leadership including leadership theories and –techniques; • apply practical leadership skills in leading various target groups; • identify and solve known and unknown problems concerning recreation leadership from an established ethical value system and at the hand of various leadership principles and –theories.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: RKKX314	**Semester 1**	**NQF level: 7**
Title: Professional Issues in Recreation Science		
Module outcomes: On completion of the module the student should be able to: • demonstrate complete knowledge regarding the nature and importance of ethics in the provision of recreation services and demonstrate the various ethical theories; • apply competency through the utilization of ethical theories in order to analyse and rate current professional matters in recreation service provision; • identify and solve ethical dilemmas in recreation service provision.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: RKKX325	**Semester 2**	**NQF level: 7**
Title: Recreation Management		
Module outcomes: On completion of the module the student should be able to: • reflect complete knowledge regarding the nature and components of recreation management and explain it; • apply management skills in the execution of a variety of management functions; • solve known and unknown problems regarding recreation service delivery by means of effective administration and apply it within an ethical accountable framework.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: STRA321	**Semester: 2**	**NQF level: 7**
Title: Strategy, risk management and control		
Module outcomes: On completion of the module, the learner should be able to: • Be able to supervise a team; • Gain an understanding of the entity's mission, vision and strategies and strategic plan; • Define strategy, know the strategy process, who the key stakeholders of an entity is and what is corporate culture; • Develop, evaluate and manage an entity's strategies; • Understand the external influences on an entity's strategy development; • Understand the internal influences on an entity's strategy development; • Evaluate the entity's performance measurement and reporting strategy • Evaluate the adequacy of the entity's IT strategy; • Understand the need for access to information • Evaluate an entity's ability to manage organisational performance in accordance with the entity's strategies; • Define risk, know risk management approaches, principle categories of risk, types of risk, risk identification tools; • Identify and evaluates opportunities and risks; • Understand the entity's risk management processes; • Evaluate the entity's risk management programme • Document risk, analyse risk (including IT risk) and prepare and recommend implementation strategies to manage risk; • Evaluate an entity's plans for risk management; and • Evaluate an entity's plans for risk management.		
Method of delivery: Full-time		
Assessment modes: Formative: Will be communicated in writing to students at the start of the semester.		

Summative: 1 x Integrated assignment: weight – 50

Module code: STTN111	**Semester 1**	**NQF level: 5**

Title: Descriptive Statistics

Module outcomes:

On completion of the module the student should be able to:

- demonstrate fundamental knowledge of the most important elementary statistical techniques that are used daily, such as sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fitting, prediction from least squares lines, the coefficient of correlation, multiple linear regression with applications in prediction, time series data, movement components to predict future outcomes, practical considerations regarding sample surveys and sample sizes;
- demonstrate problem solving skills by analysing known and unknown problems, using knowledge to apply sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fits, predictions using least squares fits, correlation coefficients, interpretation of multiple linear regression output, movement component calculations, prediction of future outcomes time series data and sample size determination to real life data.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 2 hour examination; weight – 50

This is a guideline and can change.

Module code: STTN115	Semester 1	NQF level :5

Title: Descriptive Statistics and Inference

Module outcomes:

On completion of the module the student should be able to:

- demonstrate fundamental knowledge and understanding of the most important elementary statistical techniques that are used daily, such as sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fitting, prediction from least squares lines, the coefficient of correlation, multiple regression, time series data, movement components to predict future outcomes, practical considerations regarding sample surveys and sample sizes.
- also demonstrate knowledge and understanding of the normal and t probability distributions, the central limit theorem, estimation of population parameters by the use of point and interval estimation, hypothesis testing for population means and proportions for one and two samples (parametric and non-parametric).
- demonstrate skills to use statistical knowledge and techniques to solve known and unknown real world problems and to communicate methods, solutions and conclusions as an individual and/or part of a group, orally and in writing in an ethical, responsible and acceptable way.

Method of delivery: Full-time

Module code: STTN121	**Semester 2**	**NQF level:5**

Title: Introductory Statistical Interference

Module outcomes:

On completion of the module the student should be able to:

- demonstrate fundamental knowledge of probability and probability distributions, the central limit theorem, estimation of population parameters by the use of point and interval estimation, hypothesis testing for population means and proportions for one and two samples, one-way analysis of variance (ANOVA) and categorical data analysis, contingency tables and basic tests on categorical data;
- demonstrate problem solving skills by analysing known and unknown problems, using knowledge to do simple probability calculations, apply the central limit theorem, estimate population parameters using point and interval estimation, test hypotheses for population means and population proportions for one and two samples, apply one-way analysis of variance (ANOVA) methods and interpret computer output, apply methods for categorical data analysis such as contingency tables and basic tests on categorical data.

Method of delivery: Full-time

Module code: STTN122	Semester 2	NQF level:5

Title: Introductory Statistics

Module outcomes:

On completion of the module the student should be able to demonstrate knowledge of the following concepts and be able to apply them on a basic level:

- statistical techniques used every day, for example sampling methods, graphical representation of data and descriptive measures of locality and scattering;
- fitting linear regression curves to bivariate data and using the least squares method;
- making simple predictions by using appropriate curves, as well as by interpreting the correlation coefficient;
- handling time series data and calculating movement components in order to predict future outcomes;
- carrying out simple probability calculations and using probability distributions;
- the central limit theorem and applying it to practical problems;
- estimating population parameters by means of point and interval estimation;
- hypothetical testing for population averages and population proportions in one or two sampling cases.
- The student should be able to identify the presence and applicability of statistical concepts in a practical situation, as well as to perform statistical methods using manual analysis or statistical software.

Method of delivery: Full-time

Module code: STTN124	Semester 2	NQF level: 5

Title: Practical Statistics

Module outcomes:

On completion of the module the student should be able to demonstrate knowledge of the following concepts and be able to apply them:

- correlation and its interpretation, the method of at least squares fitting to a regression function, prediction by means of a regression function, multiple linear;
- factor analysis and the interpretation of its results, interpretation of factor matrices and construct vadality;
- interval estimation, the hypothesis testing procedure, probability calculations, the central limit theorem, level of significance and p values;
- one-way ANOVA testing procedures, the interpretation of results;
- practical significance of effect sizes of differences in averages and proportions for one and two populations;
- categorical data analysis by means of contingency tables, chi-squared and independence tests;
- distribution-free methods, the difference between parametric and non-parametric methods of inference, as well as deciding which method to use in a specific situation.
- The student should be able to identify the presence and applicability of statistical concepts in a practical situation, as well as to perform statistical methods using manual analysis or statistical software

Module code: STTN125	Semester 2	NQF level:5

Title: Introductory Probability Theory

Module outcomes:

On completion of the module the student should be able to:

- concepts such as the sample space, events, probability measures, counting methods, random outcomes of events and the independence of events;
- important probability theorems such as the law of total probability and the theorem of Bayes;
- random variables, distribution functions and mass function, discrete random variables and the following distributions: binomial, geometric, negative binomial, hyper geometric, and Poisson as well as exponential, gamma and normal distributions and the functions of these variables;
- one way analysis of variance (ANOVA) and apply it to practical problems with the use of computer output.
- demonstrate skills to use statistical knowledge and techniques to solve known and unknown real world problems and to communicate methods, solutions and conclusions as an individual and/or part of a group, orally and in writing in an ethical, responsible and acceptable way.

Method of delivery: Full-time

Module code: TAXC211	Semester 1	NQF level: 6
Title: Taxation: Income Tax of Companies and VAT		
Module outcomes: On completion of the module the student should be able to: • interpret and apply the Income Tax Act and relevant court cases, issued by the South African Revenue Service, pertaining to companies; • demonstrate a clear understanding of the definition of gross income, exempt income, deductible expenses and taxable income as defined by the Income Tax Act, pertaining to business activities; • identify and calculate basic specific deductions and capital allowances of companies; • calculate basic capital gains tax (CGT) according to the Eighth Schedule of the Income Tax Act; • calculate the normal income tax payable by companies; • provide basic administrative procedures pertaining to the Income Tax Act; • calculate basic Value Added Tax (VAT), as required by the Value Added Tax Act.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		
Module code: TAXC221	**Semester 2**	**NQF level: 6**
Title: Taxation: Income Tax of Individuals and Administration of Estate		
Module outcomes: On completion of the module the student should be able to: • interpret and apply the Income Tax Act, court cases as well as practice notes, issued by the South African Revenue Service, pertaining to individuals; • demonstrate a clear understanding of the definition of gross income, exempt income, deductible expenses and taxable income as defined by the Income Tax Act; • motivate why items are taxable/deductible pertaining to individuals, by referring to court cases; • demonstrate the ability to calculate the normal income tax (including capital gains tax) payable by individuals on taxable income of remuneration, investment income and fringe benefits; • demonstrate the ability to calculate employees' tax that has to be deducted from remuneration, as well as provisional tax payable on income other than remuneration; • calculate, by referring to legislation the donations tax payable; • perform the tax and accounting treatment of deceased and insolvent estates with reference to the Administration of Estates Act nr. 66 of 1965 and the Insolvency Act nr. 24 of 1936.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		
Module code: TAXC371	Year module	NQF level: 7
Title: Tax applications		
Module outcomes: On completion of the module the student should be able to: • interpret the Income Tax Act, court cases and SARS practice notes; • identify and calculate capital and other allowances for various entities (e.g. companies, CCs, partnerships, farmers) and individuals; • calculate the normal income tax payable by individuals and the following entities (e.g. companies, CCs, partnerships, farmers); • calculate dividend tax); • calculate the taxation on lump sums received; and • calculate the different types of taxation as required by the Fourth Schedule of the Income Tax Act payable by individuals, as well as companies (e.g. provisional tax, employees tax, etc.). • interpret and calculate the Value Added Tax (VAT) according to the Value Added Tax Act; • calculate and apply the principles of Capital Gains Tax (CGT) according to the Eighth Schedule of the Income Tax Act; • identify, by referring to legislation and court cases, cases of tax avoidance and the consequences thereof; • calculate, by means of referring to legislation and court cases, estate duty; • calculate the relevant taxes relating to trusts and identify the relevant taxpayers as well as cases of tax avoidance in terms of Sections 7 and 25 of the Income Tax Act; • apply all taxes to advanced taxation problems and calculations.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		

Module code: TAXF211	Semester 1	NQF level: 6
Title: Taxation: Introduction to Income Tax of Companies		
Module outcomes: On completion of the module the student should be able to: • interpret the relevant income tax law, case law and practice notes issued by the South African Revenue Services regarding the taxation of companies; • demonstrate a clear understanding of the definition of gross income, exempt income, deductible expenses and taxable income as defined by the Income Tax Act, pertaining to business activities; • identify and calculate basic specific deductions and capital allowances of companies; • calculate basic capital gains tax (CGT) according to the Eight Schedule of the Income Tax Act; • calculate the normal tax payable by companies; • provide basic administrative procedures pertaining to the Income Tax Act; • calculate basic Value Added Tax (VAT), as required by the Value Added Tax Act.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		
Module code: TAXF221	**Semester 2**	**NQF level: 6**
Title: Taxation: Introduction to Income Tax of Individuals		
Module outcomes: On completion of the module the student should be able to: • interpret the relevant income tax law, case law and practice notes issued by the South African Revenue Services regarding the taxation of individuals; • demonstrate a clear understanding of the definition of gross income, deductible expenses and taxable income as defined by the Income Tax Act; • Motivate why items pertaining to individuals are taxable/deductible, by referring to court cases; • demonstrate the ability to calculate the normal income tax (including capital gains tax) payable by individuals on taxable income of remuneration, investment income and fringe benefits; • demonstrate the ability to calculate employees' tax that has to be deducted from remuneration, as well as provisional tax payable on income other than remuneration.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		
Module code: TAXF311	**Semester 1**	**NQF level: 7**
Title: Taxation: Taxation of Individuals and Businesses		
Module outcomes: On completion of the module the student should be able to: • interpret the relevant income tax law, case law and practice notes issued by the South African Revenue Services; • demonstrate a clear understanding of the definition of gross income, deductible expenses, fringe benefits, lump sum receipts and taxable income of individuals carrying on trade or business; • calculate income tax payable on taxable income derived by an individual from farming operations; • calculate income tax payable on taxable income derived by individual partners from carrying on trade in partnership; • calculate normal income tax payable by individuals on taxable income derived from employment, investment income, fringe benefits, lump sum receipts and from carrying on trade or business.		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be communicated at the beginning of the semester		

Module code: TAXF321	Semester 2	NQF level: 7
Title: Taxation: Company Taxes, Trusts, VAT, CGT		
Module outcomes: On completion of the module the student should be able to: • interpret the relevant income tax law, case law and practice notes issued by the South African Revenue Services. • demonstrate a clear understanding of the definitions in the Income Tax Act regarding gross income, deductible expenses and taxable income of farming operations, companies and trusts; • calculate the normal income tax payable by , companies and trusts, • calculate Donations tax and Estate duty payable; • interpret the Value Added Tax (VAT) law and calculate VAT; • calculate dividend tax; and • interpret the Capital Gains Tax (CGT) law and calculate CGT; • Motivate the taxability and deductibility of items by referring to case law and the income tax law		
Method of delivery: Full-time and part-time		

Assessment modes: Assessment criteria will be communicated at the beginning of the semester

Module code: WISN111	Semester 1	NQF level: 5

Title: Introductory Algebra and Analysis I

Module outcomes:

After completion of this module students ought to be able to do the following:

- demonstrate fundamental knowledge of the concept of functions, absolute value function, circle measure and inverse functions, trigonometric and inverse trigonometric functions, exponential and logarithmic functions, limits, continuity, differentiability and indefinite integrals of all the above mentioned functions, hospital's rule and its applications, the natural number system including mathematical induction, the integer number system including the division and Euclidian algorithms and their applications, rational and irrational numbers the real number system, and the complex number system including De Moiré's theorem and its applications;
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, using the knowledge of techniques to calculate the domain and range, limits, continuity, derivatives and indefinite integrals of all the above mentioned functions, calculate limits using hospital's rule, prove theorems with mathematical induction, determine greatest common dividers and use it to solve Diophantine equations, and perform operations with complex numbers.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: WISN112/123	**Semester 1/2**	**NQF level: 5**

Title: Mathematical Techniques

Module outcomes:

On completion of the module the student should be able to:

- demonstrate introductory knowledge of the concept of a mathematical function elucidated from examples that include exponential and logarithmic functions, the concepts differentiation and integration, a method to solve systems of linear equations, matrix algebra, linear programming problems in two variables, analysis of the rate of change of mathematical functions by using differentiation to investigate the characteristics of the function;
- demonstrate skills to recognise the presence and applicability of mathematical concepts in an economic situation and to construct a mathematical model of the problem situation in order to reach a solution by applying differentiation techniques, arithmetic techniques or linear algebra.

Module code: WISN121	**Semester 2**	**NQF level: 5**

Title: Introductory Algebra and Analysis II

Module outcomes:

After completion of this module students ought to be able to do the following:

- demonstrate fundamental knowledge of vectors in three dimensional space, their properties and applications, polynomials in one variable including the factor theorem, the remainder theorem, synthetic division and Euclidean algorithm, rational functions including partial fractions, permutation, combinations, the binomial theorem, the use of derivatives in optimisation and curve sketching, Taylor series including the basic theorems on the convergence of series, the fundamental theorems of differential and integral calculus, Riemann sums, the basic properties and applications of the definite integral, advanced integral techniques, hyperbolic and inverse hyperbolic functions, and applications of integration to surfaces, lengths and volumes;
-
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, using knowledge of techniques to describe three dimensional spaces, to calculate dot, cross and triple products and use it to solve a variety of problems, determine roots and greatest common dividers of polynomials, decompose rational functions into partial fractions, determine the number of arrangements and selections from a set, do binomial expansions, sketch functions, formulate optimisation problems mathematically and use knowledge of derivatives to solve them, calculate Taylor series and judge its convergence, determine Riemann sums, determine definite integrals, and calculate surfaces, lengths and volumes.

Module code: WVES221	Semester 2	NQF level: 6
Title: Understanding the Economic World		

Module outcomes:

On completion of the module the student should be able to:

- have a fundamental knowledge base of a selection of world views and ideologies and demonstrate their critical understanding through an ability to compare the nature and function, as well as different contemporary manifestations of these world views and ideologies;
- understand the interrelatedness of phenomena such as occurs in natural and social systems, and from this vantage point, analyse and evaluate real life problems or case studies based on core issues of our time, such as poverty, constant change, human rights, HIV-AIDS, power abuse, corruption, racism, xenophobia, etc.;
- articulate his/her personal world view and use it as a point of departure for arguing and communicating feasible solutions to core issues and problems of our time in a typical academic manner.

Method of delivery: Full-time and part-time

Assessment modes:		
	Formative:	3 class tests; weight – 40 class attendance; weight – 10
	Summative:	1 x 1 hour examination; weight – 50

This is a guideline and can change.

Module code: WVES311	Semester 1	NQF level: 7
Title: Business Ethics		

Module outcomes:

On completion of the module the student should be able to:

1. Possess knowledge of
   - Selected ethical theories
   - Moral decision-making strategies
   - Selected socio-economic ethical issues
   - Selected issues and approaches with regard to business ethics
   - The nature of organizations and management from an ethical perspective
2. Possess the ability and skills to apply the above knowledge to case studies
3. Possess the ability and skills to analyse and evaluate the abovementioned theories and issues from different philosophical and ideological perspectives.

Method of delivery: Full-time and part-time

Assessment modes:		
	Formative:	3 class tests; weight – 40 class attendance; weight – 10
	Summative:	1 x 1 hour examination; weight – 50

This is a guideline and can change.

E.4.2 MODULE OUTCOMES: EXTENDED PROGRAMMES BACHELOR OF COMMERCE

Foundation modules are preparatory for the regular first/second/third level modules and combine some aspects of the regular module material with substantial provision for foundation material.

Module code: ACFS111	Semester 1	NQF level: 5
Title: Financial Accounting Special: Basic Concepts, Accounting Cycle and Accounting Systems		

Module outcomes:

On completion of the module the student should be able to:

- explain the purpose and function of accounting;
- demonstrate a clear understanding of the accounting equation;
- create journals, ledgers subsidiary ledgers and control accounts;
- design an accounting system that will meet the requirements of a specific entity;
- record transactions and prepare financial statements of sole traders.

Method of delivery: Full-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: ACFS121	Semester 2	NQF level: 5
Title: Financial Accounting Special: Bank Reconciliation, Elementary Financial Reporting and Analysis and Interpretation of Elementary Financial Statements		
Module outcomes: On completion of the module the student should be able to: • draw up a cash receipts- and payment journal and to prepare a bank reconciliation statement; • prepare a statement of comprehensive income (income statement), statement of financial position (balance sheet) and a statement of changes in equity for sole traders on a generally acceptable format; • identify and explain financial ratios; explain their purpose and use in the analyses of the liquidity, profitability and solvency of a sole trader.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
ACFS111,121 (Financial Accounting Special) are preparatory for the regular first level modules in Accounting. It is intended for students who have not taken accounting at grade 12 level.		
Module code: ACFS112	**Semester 1**	**NQF level: 5**
Title: Accounting Special (CA): Basic Concepts, Accounting Cycle and Accounting Systems		
Module outcomes: On completion of the module the student should be able to: • explain the purpose and function of accounting; • demonstrate a clear understanding of the accounting equation; • create journals, ledgers subsidiary ledgers and control accounts; • design an accounting system that will meet the requirements of a specific entity; • record transactions and prepare financial statements of sole traders.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACFS122	**Semester 2**	**NQF level: 5**
Title: Accounting Special (CA): Bank Reconciliation, Elementary Financial Reporting and Analysis and Interpretation of Elementary Financial Statements		
Module outcomes: On completion of the module the student should be able to: • draw up a cash receipts- and payment journal and to prepare a bank reconciliation statement; • prepare a statement of comprehensive income (income statement), statement of financial position (balance sheet) and a statement of changes in equity for sole traders on a generally acceptable format; • identify and explain financial ratios; explain their purpose and use in the analyses of the liquidity, profitability and solvency of a sole trader.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
ACFS112.122 Accounting Special (CA) are preparatory for the regular first level modules in Accounting for Chartered Accountancy students. It is intended for students who have not taken Accounting at grade 12 level		
Module code: BRSF121	**Semester 1**	**NQF level: 5**
Title: Analytical Thinking		
Module outcomes: On completion of the module the student should be able to: • demonstrate the ability to analyse subject-specific texts and arguments critically; • demonstrate a mastery of basic data collection methods; • identify and formulate a basic research problem; • develop well-structured arguments in a written format.		
BRSF121 (Analytical Thinking) is generic and preparatory for the regular third level modules in Accounting (ACCC371), Auditing (AUDT321), Taxation (TAXC311 and TAXC321), Cost and Management Accounting (MACC311 and FINM321), Economic Analysis (ECON321), Analysis of Financial Markets (EKRP312) and Fiscal and Monetary Policy (ECON311)		

Module code: CTSS111	Semester 1	NQF level: 5
Title: Critical Thinking Skills		
Module outcomes: On completion of the module the student should be able to: • demonstrate basic knowledge of the fundamentals of argumentation; • demonstrate the ability to analyse texts and arguments critically; • develop well-structured arguments in a written format.		
CTSS111 (Critical Thinking Skills) is preparatory for critical thinking skills required across all regular modules		

Module code: STTF111	Semester 1	NQF level: 5
Title: Foundation Statistics I		
Module outcomes: On completion of the module the student should be able to: • understand the importance of data types in choosing data analysis techniques; • understand the requirements of questionnaire design; • identify and apply the steps in data preparation prior to data analysis • use Excel as a tool to perform basic statistical analysis; i.e. data capturing; summary tables and graphing capabilities as well as be able to use the Data Analysis add-in module to extend the range of statistical analysis capabilities; • interpret the printouts; i.e. graphs, tables and descriptive statistical measurements.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 × 2 hour examination; weight – 50 This is a guideline and can change.		
Module code: STTF121	**Semester 2**	**NQF level: 5**
Title: Foundation Statistics II		
Module outcomes: On completion of the module the student should be able to: • test overall regression model and individual regression variables for statistical significance using Excel; • use excel to derive probabilities, confidence intervals and to test hypotheses; • carry out a statistical project, from design to analysis.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 × 2 hour examination; weight – 50 This is a guideline and can change.		
Module code: WISS112	**Semester 1**	**NQF level: 5**
Title: Foundation Mathematics I		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge on an introductory level of number systems and exponential laws; • write simple word problems in mathematical form; • apply and demonstrate mathematical concepts and properties by simplifying expressions and solving linear and quadratic equations and linear and quadratic inequalities.		
Method of delivery: Full-time		
Module code: WISS122	**Semester 2**	**NQF level: 5**
Title: Foundation Mathematics II		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge on an introductory level of functions, exponential laws, logarithmic laws and limit laws; • demonstrate knowledge on different types of graphs, solving systems of linear equations, linear programming problems in two variables, limits, analysing the rate of change of functions; • demonstrate knowledge on financial mathematics (simple and compound growth and decay, annuities and bonds); • apply and demonstrate mathematical concepts and properties by simplifying expressions and solving linear- and quadratic equations, linear inequalities, exponential equations and logarithmic equations.		
Method of delivery: Full-time		
WISS112, 122 (Foundation Mathematics I/II) are preparatory for the regular first level modules in Mathematics in order to achieve a level of mathematical skills		

E.4.3 MODULE OUTCOMES: DIPLOMA IN SPORT SCIENCE

Module code: MBWK112	**Semester 1**	**NQF-level: 5**
Title: Motor Learning		
Module outcomes: After completion of the module, the student should be able to: • apply extensive and systematic, recent knowledge and understanding with regard to the interactive nature of the physical, cognitive and affective development of a child, motor aspects, memory structures and certain learning hierarchies, classification of movement and movement capability, growth and ripening tendencies in movement development as well as movement backlogs; individuality of sport talent and talent identification in sport; • apply knowledge concerning growth to sport and movement skills in children of different age groups and classify movement skills; • evaluate motor- and physical development as well as accompanying perceptual-motor skills in children of different age groups; • reflect an ethical accountable approach with regard to motor development and the learning process.		
Method of delivery: Full-time		
Method of assessment: 50 : 50		
Module code: MBWK216	**Semester 1**	**NQF-level: 6**
Title: Biomechanics		
Module outcomes: After completion of the module, the student should be able to: • demonstrate, debate and communicate knowledge and understanding with regard to the key terms, rules, concepts and theories applicable to Biomechanics; • select and apply the core procedures or techniques necessary to analyse, identify and evaluate sport related movements; • individually or in a group identify, interpret and discuss information with regard to biomechanical aspects and injuries in sport, and integrate it into a report; • critically discuss and formulate funded opinions concerning biomechanical related sport problems; • show insight in the field of Biomechanics and demonstrate knowledge within the field of sport science and –coaching, bio kinetics, exercising, recreation and leisure science; • act from an established ethical value system in the application of Biomechanics research and coaching.		
Method of delivery: Full-time		
Method of assessment: 50 : 50		
Module code: MBWK218	**Semester 1**	**NQF-level: 6**
Title: Introduction to Sport injuries		
Module outcomes: After completion of the module, the student should be able to: • establish an effective sport-health care system; • demonstrate knowledge with regard to the prevention and restriction of sport related injuries; • individually and as part of a multi-disciplinary team, deal with the causes, identification and treatment of specific sport injuries and conditions; • apply the principles of patient evaluation, from an ethical framework of emergency treatment; • understand, identify and treat the basic anatomy and physiology of the following conditions: respiratory-cardiovascular-, nervous-, biological- and musculo-skeletal and associated trauma conditions..		
Method of delivery: Full-time		
Method of assessment: 50 : 50		
Module code: MBWK223	**Semester 2**	**NQF-level: 6**
Title: Ki anthropometry		
Module outcomes: After completion of the module, the student should be able to: • measure skin folds, circumferences, body mass, body length and widths correct and according to international standards; • understand theoretical aspects like the determination of the percentages of fat, somatotypification, basic anatomy, the measuring error etc. and apply them in practice;		

- execute body measurements on patients/sportsmen, consult and write a report on it;
- demonstrate awareness on the foundations of ethical rules and norms in dealing with people when conducting body measurements.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBWK226	Semester 2	NQF-level: 6

Title: Sport and Exercise Psychology

Module outcomes:
After completion of the module, the student should be able to:
- reflect a good understanding on the establishment, development, future prospects and demarcation in the field of sport- and exercise psychology in order to identify potential career possibilities or application fields;
- describe, evaluate and apply effects in certain underlying principles influencing the behaviour of sportsmen/women (i.e. personality, motivation, arousal, stress and fear);
- identify the appearance of burnout and over-exercise within competitive sport and initiate ways to prevent or address it to contribute to the total health and wellness of sportsmen and -women;
- facilitate certain basic sport psychological skills (control activating, confidence setting, target setting and concentration) in a scientific accountable manner within a well-developed skills programme to promote sport performance and achievements;
- formulate and live out beliefs in future possibilities of subject contents on sport, and exercise psychology within the context of human movement sciences.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXG114	Semester 1	NQF-level: 6

Title: Coaching Science of Golf

Module outcomes:
After completion of the module, the student should be able to:
- show the ability to execute basic golf skills;
- know and apply the rules of the game;
- reflect knowledge and skills on effective planning to function successfully as a golf coach;
- present an effective practical session to other students;
- understand and apply the ethical practises of the game correctly.

Method of delivery: Full- time

Method of assessment: 50 : 50

Module code: MBXR112	Semester 1	NQF-level: 5

Title: Supplementation and Ergogenic aids

Module outcomes:
After completion of the module, the student should be able to:
- differentiate between the various categories of ergogenic aids;
- differentiate between lawful and unlawful aids in sport;
- report on the ethical aspects concerning the utilization of ergogenic aids in sport;
- give a detailed discussion with regard to the different supplementation products used by sportsmen/women;
- interpret certain definitions with regard to supplementation in sport.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXR114	Semester 1	NQF-level: 5

Title: Basic Anatomy and energy systems

Module outcomes:
After completion of the module, the student should be able to:
- define and apply the different principles used in the identification and description of the various skeletal- and muscular structures;
- name and identify the anatomic structures of the different bones(skeletal system) and joints(articular system) as well as the primary muscles(muscular system) verbally and in written format;
- understand how the various physiological processes in the body adjust to short term and long term exercise by referring to repetition and the different energy systems.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXC124	Semester 2	NQF-level: 5

Title: Game skills development in Cricket

Module outcomes:

After completion of the module, the student should be able to:

- reflect factual knowledge concerning the different aspects of successful coaching, lesson planning, acquiring of skills and rules;
- work out, organize, execute and adjust lesson plans and apply it within a coaching environment;
- plan, work out and present pre-competition and competition programmes for different groups of players;
- master the scientific programme according to which new skills is acquired and apply it effectively during practical sessions;
- present effective coaching to players (considering their motor-, social-, psychological level of development) in order to nourish lifelong interest in the sport and establish correct techniques.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXK124	Semester 2	NQF-level: 5

Title: Generic Coaching Science

Module outcomes:

After completion of the module, the student should be able to:

- interpret the various capacities in coaching and train players (of all ages and in all levels of participation) with regard to the foundation principles of the sport to promote performance from an established ethical value system and scientific framework;
- describe and reflect basic and fundamental knowledge concerning the demands of a coaching career;
- identify different objectives in coaching and formulate own objectives thereon;
- develop and apply individual approaches with regard to coaching founded in the various capacities and objectives of coaching;
- develop practical skills with regard to interpersonal interaction and apply it in the coaching environment;
- utilize communication skills during the coaching process;
- utilize sports and games to develop players in specific coaching conditions;
- identify scientific principles supporting the development of skills and techniques;
- analyse and amend scientific principles with regard to the interaction of skills and practical conditions.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXT211	Semester 1	NQF-level: 6

Title: Coaching Science in Tennis

Module outcomes:

After completion of the module, the student should be able to:

- reflect factual knowledge concerning the different aspects of successful coaching, lesson planning, acquiring of skills and rules;
- compose, organize, execute, adjust lesson plans and apply it within a coaching environment;
- plan, work out and present pre-competition and competition programmes for different groups of players;
- master the scientific programme according to which new skills is acquired and apply it effectively during practical sessions;
- present effective coaching to players (considering their motor-, social-, psychological level of development) in order to nourish lifelong interest in the sport and establish correct techniques.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXR216	Semester 1	NQF-level: 6

Title: Game notational analyses and preparation

Module outcomes:

After completion of the module, the student should be able to:

- differentiate between the various game plans;
- conduct game analysis and interpret results;
- in the light of aforementioned analysis compile the most suitable game plan for his/her team, and prepare them accordingly (physically and tactically).

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXR217	Semester 1	NQF-level: 6

Title: Sport management

Module outcomes:

After completion of the module, the student should be able to:

- apply applicable factual knowledge with regard to management tasks in sport;
- know, interpret and reflect the various definitions with regard to sport management;
- interpret and reflect management communication skills practically;
- understand and develop a financial management system of a sport club.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXR218	Semester 1	NQF-level: 6

Title: Sport commercialization, sport development and sport law

Module outcomes:

After completion of the module, the student should be able to:

Sport commercialization

- understand and explain the definition of sport commercialization;
- analyse, understand and apply strategic marketing management;
- develop and implement a sport marketing plan in full;
- determine and understand the different behaviour patterns in sport consumers;
- define, understand and explain market segmentation as well as strategies and techniques, the sport product, promotions, retail and price strategies and apply it effectively;

Sport development

- manage facilities for the development of sport;
- plan, work out and apply a complete session with children;
- establish a club;
- understand the sport structures in South Africa.

Sport law

- apply law enforcement on sport, taking general-, criminal- and civil law into consideration;
- understand the establishment and compilation of constitutions regarding clubs/associations/unaffiliated associations according to law;
- know the legal aspects concerning injuries between two or more parties during matches, dicsiplinary processes as well as persons responsible during events/tournaments;
- reflect knowledge and fully understand trademarks, and related legal aspects for instance copy right, patents, law as well as ethical concepts;
- employ a person according to legal guidelines on labour relations, and compile a contract in line with these specifications.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXR219	Semester 1	NQF-level: 6

Title: Sport organization and administration

Module outcomes:

After completion of the module, the student should be able to:

- integrate complete knowledge and skills of human movement with the principles of recreation and adventure practices applicable to sport, health and human development in the acquisition of applied skills by problem solving, executing of projects, dealing with true-life case studies and practice-centred scenarios;
- attach evidence-driven interpretation through analysis, synthesis and evaluation to research results by founding it theoretically and effectively communicate it individually or in a group in writing by means of Information Technology and verbally to laymen and professional audiences;
- demonstrate that in reaching outcomes, reasoning and communication are based on a pure world and life philosophy and an established value system.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXH221	Semester 2	NQF-level: 6

Title: Coaching science in Hockey

Module outcomes:
After completion of the module, the student should be able to:
Gymnastics

- demonstrate knowledge w.r.t different techniques, aiding- and learning methods and analysing of mistakes;
- show the ability to execute basic gymnastic skills;
- in a learning/teaching situation improve gymnastic skills through proper planning and exercise;
- reflect knowledge of effective planning skills to successfully function as gymnastic coach in a club scenario;
- comply to all the requirements to qualify as a General Sports Leader/coach;
- demonstrate knowledge regarding safety measures, gymnastic injuries and the treatment thereof;
- demonstrate and explain the process of talent identification in gymnastics;
- identify and treat injuries related to gymnastics and plan and execute preventive safety measures;
- apply sport- scientific principles e.g. Biomechanical knowledge, to round off gymnastic movements
- demonstrate an ethical accountable attitude/approach towards the coaching of gymnasts and talent identification;
- function effectively in a group or team.

Hockey

- master the scientific programme according to which new skills are acquired, and apply it effectively during practical sessions;
- present effective coaching to children (considering their motor-, social-, psychological level of development) in order to nourish lifelong interest in the sport and establish correct techniques;
- demonstrate knowledge in techniques, assistance rendering; methods to master the game and analysing of mistakes in hockey;
- improve hockey skills through proper planning and exercise in learning/teaching situation;
- reflect knowledge of/and effective planning skills to function successfully as hockey coach in a club and or school environment;
- function effectively in a group or team.

Cricket

- master and successfully apply scientific programme to acquire new skills during practical sessions;
- apply knowledge w.r.t the biomechanical aspects of the game and apply it in an applicable practical manner;
- have knowledge concerning the injuries generally found in the game;
- understand, as a Sport- and Human Movement instructor, how to deal with injury related problems in the capacity of prospective cricket coach;
- show accountability to the Word of God as coach and Christian;
- in acquiring the abovementioned outcome, students have the opportunity to:
- obtain a Coaching Certificate (level 1) from the United Cricket Board of South Africa*
- obtain a Certificate (level D) from the South African Union of Referees.*
- *Both the abovementioned certificates can be obtained from the North West Cricket Union (with additional costs and course attendance) and will be arranged on request.

Rugby

- show the ability to execute basic rugby skills;
- improve rugby skills through proper planning and exercise in a learning/teaching situation;
- reflect knowledge of effective planning skills to successfully function as rugby coach in a club scenario;
- present an effective practical coaching session to other students.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXC225	Semester 2	NQF-level: 6

Title: Game skills application in Cricket

Module outcomes:
After completion of the module, the student should be able to:

- coach players in the application of game skills, various game aspects and special play in a game situation.
- apparatus and techniques;
- demonstrate skills in order to apply knowledge, methods and techniques in an ethical and responsible way, in order to identify obesity as well as to apply physiological solutions regarding weight loss

programmes, in order to achieve results;
- demonstrate the ability to identify sport physiological problems, to analyse and evaluate and then apply this knowledge in a responsible way, as well as to apply skills to be able to give conditioning programme suggestions and to implement them in order to be able to promote sport performance;
- give results and suggestions in a responsible, reliable and accurate manner by means of written and oral explanations and demonstrations.

Method of delivery: Full-time

Method of assessment: 50 : 50

Module code: MBXC324	**Semester 2**	**NQF-level: 6**

Title: Practical coaching in Rugby

Module outcomes:
After completion of the module, the student should:
- demonstrate exposure to various aspects regarding the coaching career related to the specific sport, and excercise it practically.

Method of delivery: Full-time

Method of assessment:

Module code: MBXR214	**Semester 1**	**NQF-level: 6**

Title: Sport Physiology in Practice

Module outcomes:
- show special knowledge and comprehension regarding facts, key terms, principles, rules and theories on obesity, resistance and interval training as well as exercise

Method of delivery: Full-time

Method of assessment: Assessment criteria will be provided at the beginning of the semester by means of a working schedule.

Module code: PSYC121	**Semester 2**	**NQF-level: 5**

Title: Social and Community Psychology

Module outcomes:
After completion of the module, the student should be able to:
- demonstrate a fundamental knowledge of and insight into the perspectives and theories on which social and community psychology is based and also to apply the concepts and terminology in well-defined problems or case studies such as poverty, constant change, human rights, power abuse, corruption, racism, xenophobia, etc. within a multi-cultural context and an understanding of the inter-relatedness;
- demonstrate information gathering and processing skills for writing assignments within the context of the social and community psychology, individually or in groups;
- analyse and evaluate, in individual and group tasks, case studies, examples or problem situations and solutions, to convey this in the form of a report or assignment, verbally or written, within the prescribed conventions and formats;
- demonstrate a clear attitude and ethical system in all forms of communication and interaction with people.

Method of delivery: Full-time

Method of assessment: Pc 1 x 2 hours; 1 : 1

Module code: WVGW221	**Semester 2**	**NQF level: 6**

Title: Know and understand the world of health

Module outcomes:
On completion of the module the student should be able to:
- have the disposal of a fundamental knowledge base of a selection of world views and ideologies, as well as demonstrate an understanding of these world views and ideologies, by displaying an ability to compare the nature and function and different contemporary manifestations thereof;
- have an understanding of health and be able to distinguish between fortigene and pathogenic paradigms on a metatheoretical, theoretical and empirical data level, in order to realise the complementary value of these approaches to health;
- demonstrate a basic understanding of the health services in South Africa, while also taking into account international influences;
- demonstrate an awareness of health trends and determinants, including internal and external risk factors of individuals, groups and communities;
- understand the functioning of a multi- and trans disciplinary team across multisectoral boundaries with community health development and human capacity building as end result; and

• assess and plan a health promotion project, by using a trans disciplinary case study with community participation as its central theme.
Method of delivery: Full-time
Assessment modes: Summative: 1 x 2 hour examination; weight – 50 This is a guideline and can change.

E.4.4 MODULE OUTCOMES: BACHELOR OF SCIENCE

Module code: ACCC111	**Semester 1**	**NQF level: 5**
Title: Framework, Foundations, Cycle and Financial Reporting		
Module outcomes: On completion of the module the student should be able to: • demonstrate a basic knowledge of the principles of the accounting cycle, including the recording of transactions and adjustments, from source documents in the subsidiary journals/ledgers and general ledger of an entity; • understand the accounting Framework and the basic elements of financial statements, including their recognition and measurement criteria; • prepare a set of basic financial statements, in the correct format, based on the information in a trial balance or general ledger, including basic disclosure in the notes to the financial statements; • calculate and account for insurance gains/losses; and • prepare financial statements when a set of incomplete accounting records is received.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCC121	**Semester 2**	**NQF: 5**
Title: Accounting for Different Entities		
Module outcomes: On completion of the module the student should be able to: • apply the definitions, recognition and measurement criteria of the different elements of financial statements, as well as the principles regarding the presentation of financial statements to a given situation; • distinguish between different entity forms, including sole proprietors, partnerships, companies and close corporations, and account for transactions in the records of each of these entity forms; • use information technology effectively in the recording of transactions in the records of an entity; • work effectively together with others as part of a team or group.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCF111	**Semester 1**	**NQF level: 5**
Title: Financial Accounting: Basic concepts, Accounting Systems and Elementary Financial Reporting		
Module outcomes: On completion of the module the student should be able to: • explain the purpose and function of accounting; • demonstrate a clear understanding of the accounting equation; • create journals, ledgers, subsidiary ledgers and control accounts; • prepare bank reconciliations; • calculate claims against insurers for inventory losses; • record transactions and compile financial statements for sole traders .		
Method of delivery: Full-time and part-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester		
Module code: ACCF121	**Semester 2**	**NQF: 5**
Title: Financial Accounting: Elementary Financial Reporting, Partnerships, Close Corporations and Companies		
Module outcomes: On completion of the module the student should be able to: • record transactions and compile the Statement of receipts and payments, Statement of comprehensive income (income statement) and Statement of financial position (balance sheet) for non-trading enterprises; • compile annual financial statements for partnerships; • compile annual financial statements for close corporations in conformity with International Financial		

Reporting Standards (IFRS);
- demonstrate a clear understanding of the different types of company shares, record transactions for the issue and redemption of shares and compile elementary financial statements for companies
- prepare a statement of cash flows.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Modulecode:ACCS111	**Semester 1**	**NQF level: 5**

Title: Financial Accounting(special): Basic Concepts, Accounting Cycle and Accounting Systems

Module outcomes:

On completion of the module the student should be able to:
- explain the purpose and function of accounting;
- demonstrate a clear understanding of the accounting equation;
- create journals, ledgers subsidiary ledgers and control accounts;
- design an accounting system that will meet the requirements of a specific entity;
- record transactions and prepare financial statements of sole traders.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: ACCS121	**Semester 2**	**NQF level: 5**

Title: Financial Accounting(special): Bank Reconciliation, Elementary Financial Reporting and Analysis and Interpretation of Elementary Financial Statements

Module outcomes:

On completion of the module the student should be able to:
- draw up a cash receipts- and payment journal and to prepare a bank reconciliation statement;
- prepare a statement of comprehensive income (income statement), statement of financial position (balance sheet) and a statement of changes in equity for sole traders on a generally acceptable format;
- identify and explain financial ratios; explain their purpose and use in the analyses of the liquidity, profitability and solvency of a sole trader.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: BMAN111	**Semester 1**	**NQF level: 5**

Title: Introduction to Business Management

Module outcomes:

On completion of the module the student should be able to:
- demonstrate a complete and systematic knowledge of the nature of business management, establishment issues of a new business, the different business functions and the basic elements of a business plan;
- demonstrate skills, based upon an informed comprehension of theories and concepts, to identify established issues of a new businesses, identify the different business functions and to draw up a basic SWOT analysis and business plan;
- undertake a literature and environmental review, prepare a basic report as individual or as a member of a team and communicate in writing as well as verbally the report to an audience.

Method of delivery: Full-time and part-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: BMAN222	**Semester 2**	**NQF level: 6**

Title: Entrepreneurial Opportunities

Module outcomes:

On completion of the module the student should be able to:
- use the term entrepreneurship in different contexts;
- display an entrepreneurial mind set;
- report on the elements of entrepreneurship;
- understand the functioning of the brain, brain preferences and thinking skills;
- manage his/her thoughts and self-talk;
- identify stumbling blocks and know how to overcome them;
- evaluate environments and identify opportunities for creative application in all walks of life;
- understand and utilise the characteristics for entrepreneurial success;
- use applicable creative techniques to generate ideas and solve problems;

- function in idea-generating teams;
- demonstrate the use of entrepreneurial language;
- display skills imperative to creative entrepreneurial thinking;
- plan and execute the initial steps in implementing a solution or project in practice;
- demonstrate an ethical approach in all operations;
- communicate effectively on a one-to-one basis and in groups.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 2 - 3 class tests; weight – 35
1 - 2 assignments; weight – 20
1 - 2 other assignments; weight – 15
Summative: 1 x 2 hour examination; weight – 30

This is a guideline and can change.

Module code: BWIA111	**Semester 1**	**NQF level: 7**

Title: Introduction to Financial Mathematics

Module outcomes:

On completion of the module the student should be able to:

- At the end of this module, the student will have acquired knowledge and insight into the calculation of interest, time value of money, present and future values, nominal and effective interest rates and annuities and loans.
- In this module, the student acquires skills to handle vaguely define problems and to integrate concepts from the financial- economic world that can be quantified with the aid of mathematical models and solved by means of computer spread sheet-based implementation.
  Specific attention is given to playing off simulation versus the analytical, as well as to discrete versus stochastic modelling of such problems.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: BWIA121	**Semester 2**	**NQF level: 7**

Title: Introduction to Actuarial Science

Module outcomes:

On completion of the module the student will demonstrate a knowledge and understanding of:

(i) the calculation of interest;
(ii) time value of money;
(iii) present and future values;
(iv) nominal and effective rates;
(v) annuities;
(vi) loans;
(vii) using a generalised cash flow model to describe financial transactions.
(viii) taking into account the time value of money using the concepts of compound interest and discounting.
(ix) showing how interest rates or discount rates may be expressed in terms of different time periods.
(x) real and money interest rates.
(xi) calculating the present value and the accumulated value of a stream of equal or unequal payments using specified rates of interest and the net present value at a real rate of interest, assuming a constant rate of inflation.
(xii) the definitions and use of more important compound interest functions including annuities certain.
(xiii) insurance;
(xiv) life insurance and specifically about general life insurance products and their associated risks;
(xv) general/short-term insurance and specifically about general short-term insurance products and their associated risks;
(xvi) medical care and specifically about medical aid funds and medical insurance and their associated risks; and
(xvii) banking and financial institutions and their associated risks.

The first 6 concepts ((i) to (vi)) are presented in the form of a self-created project.

In this module, the student acquires skills to handle vaguely defined problems and to integrate concepts from the financial-economic world that can be quantified with the aid of mathematical models and solved by means of computer spread sheet-based implementation.

(a) Specific attention is given to playing off simulation versus the analytical, as well as to discrete versus stochastic modelling of such problems.

Method of delivery: Full-time

Module code: BWIA271	Year Module	NQF level: 6
Title: Financial Mathematics		

Module outcomes:

On completion of the module the student should be able to:

- use a generalised cash flow model to describe financial transactions;
- calculate the time value of money using the concepts of compound interest and discounting;
- show how interest rates or discount rates may be expressed in terms of different time periods;
- demonstrate knowledge of real and money interest rates;
- calculate the present value and the accumulated value of a stream of equal or unequal payments using specified rates of interest and the net present value at a real rate of interest, assuming a constant rate of inflation;
- demonstrate knowledge of the definitions and use of more important compound interest functions including annuities;
- demonstrate knowledge of the definition of an equation of value;
- describe how a loan may be repaid by regular instalments of interest and capital;
- use discounted cash flow techniques in investment project appraisal;
- describe the investment and risk characteristics of the following types of asset available for investment purposes:
  - fixed interest government borrowings;
  - fixed interest borrowing by other bodies;
  - shares and other equity-type finance;
  - derivatives;
- analyse elementary compound interest problems;
- calculate the delivery price and the value of a forward contract using arbitrage free pricing methods;
- demonstrate knowledge of the term structure of interest rates;
- demonstrate knowledge of simple stochastic models for investment returns;
- as an individual or as a member of a group demonstrate the ability to:
  - solve well-defined but unfamiliar problems using correct procedures and appropriate evidence;
  - perform a critical analysis and synthesis of information;
  - present information using basic information technology;
  - present and communicate information reliably and coherently by using academic/professional discourse conventions and formats appropriately.

Method of delivery: Full-time

Module code: BWIA313	Semester 1	NQF level: 7
Title: Models: Survival Models and Stochastic Processes		

Module outcomes:

After completion of module BWIA313, the student will demonstrate:

a well-rounded and systematic knowledge and coherent and critical understanding of:

- the concepts of decision theory and the application of them;
- the calculation of probabilities and moments of loss distributions both with and without limits and risk-sharing arrangements;
- the fundamental concepts of Bayesian statistics and using these concepts to calculate Bayesian estimators;
- the concept and general properties of stationary, I(0), and integrated, I(1), univariate time series;
- the concept of a stationary random series;
- the concept of a filter applied to a stationary random series;
- the notation for backwards shift operator, backwards difference operator, and the concept of roots of the characteristic equation of time series;
- the concepts and basic properties of autoregressive (AR), moving average (MA), autoregressive moving average (ARMA) and autoregressive integrated moving average (ARIMA) time series; and
- the concept and properties of discrete random walks and random walks with normally distributed increments, both with and without drift.
- the construction of risk models involving frequency and severity distributions and the calculation of the moment generating function and the moments for the risk models both with and without simple reinsurance arrangements;
- the concept of ruin for a risk model. This will include the calculation of the adjustment coefficient and being able to state Lundberg's inequality. This also include the effect on the probability of ruin of

changing parameter values and of simple reinsurance arrangements; and the concepts of decision theory and the application of them;

- techniques for analysing a delay (or run-off) triangle and projecting the ultimate position through applying the techniques;
- the fundamental concepts of a generalised linear model (GLM) and describing how a GLM may be applied
- the basic concept of a multivariate autoregressive model;
- show an awareness of audience and use academic/professional discourse appropriately.

Method of delivery: Full-time

Module code: BWIN321	**Semester 2**	**NQF level: 7**

Title: Project: Stock Exchange Modelling and Analysis

Module outcomes:

This module builds on the concepts that were acquired in BWIA111 and BWIA121 to a more advanced level. Teamwork play a very important roll en there are more required from students in respect of self-study and research. The focus is on usage and development of more advanced system to aide in decision making. The modelling and analysis of the behaviour of securities on the securities exchange will form the framework in which the training will take place.

On completion of the module the student should be able to:

- manage own portfolio on the securities exchange and be able to work effectively in a team where the focus is on the integration of knowledge of different disciplines to solve specific problems in the financial risk environment.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 2 hour examination; weight – 50

This is a guideline and can change.

Module code: ECON111	**Semester 1**	**NQF level: 5**

Title: Introduction to Economics

Module outcomes:

On completion of the module the student should be able to:

- know how to get access to the resources required for a successful management / entrepreneurship career;
- discover opportunities in different industries and fields of study;
- discover his/her interests, personality, talents and values and bring in connection with the chosen industry and field of study;
- develop a personal development plan with a vision and goals;
- plan income and expenses wisely and improve the use of numbers in everyday life;
- implement his/her own personal development plan by communicating with various audiences what has been learned, improve functional numeric, receive and give relevant feedback, understand and express himself/herself better, understand his/her emotions, apply self-control, demonstrate good interpersonal skills and effectively use functional business language.

Method of delivery: Full-time and part-time

Assessment modes: Formative: 2 - 3 class tests; weight – 35
1 - 2 assignments; weight – 20
1 - 2 other assignments; weight – 15
Summative: 1 x 2 hour examination; weight – 30

This is a guideline and can change.

Module code: ECON121	**Semester 1**	**NQF level: 5**

Title: Basic Micro- and Macro-economics

Module outcomes:

On completion of the module the student should be able to:

- demonstrate fundamental knowledge and insight into the principles and theories on which microeconomics, macroeconomics and the Simple Macroeconomic Model are based and also to apply concepts and terminology in answering well-defined problems and case-studies;
- demonstrate fundamental knowledge of the interaction between and interdependence of economic participants and economic indicators;
- demonstrate skills to analyse and evaluate case studies, examples and problems on certain macro- and micro-economic phenomena, with reference to demand, supply, equilibrium, consumption, production, price elasticity and various forms of competition;
- demonstrate a fundamental understanding of the causes of inflation, unemployment and economic growth and knowledge to recommend policies with regard to these;

- demonstrate skills to apply the Simple Macroeconomic Model in economic analyses and predictions;
- demonstrate information-gathering and processing skills for writing assignments within the context of micro- and macroeconomics, individually and in groups.

Method of delivery: Full-time and part-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ECON211	**Semester 1**	**NQF level: 6**

Title: Macro-economics

Module outcomes:
On completion of the module the student should be able to:
- analyse the interrelationship relationship between different economic variables in an open economy;
- evaluate the effects of various policy steps on the functioning of the economy in long- and short term;
- identify and apply different policy measures to address macro-economic problems.

Method of delivery: Full-time and part-time

Module code: ECON221	**Semester 2**	**NQF level: 6**

Title: Micro-economics

Module outcomes:
On completion of the module the student should be able to:
- demonstrate a sound knowledge and understanding of relevant terms, rules, concepts, principles and theories to describe microeconomics and its application in the 'real world';
- use theory-driven arguments and IT skills to collect, organise, analyse and interpret as individual and/or group, information regarding microeconomic issues;
- demonstrate problem solving abilities regarding consumer demand and choices, market structures and the behaviour of competitors, equilibrium analyses, micro-policy, and government intervention in the economy in the form of taxation/subsidisation;
- effectively communicate findings and/or solutions, coherently and reliably to an audience of peers and academics, using individual and/or group methods.

Method of delivery: Full-time and part-time

Assessment modes: Assessment methods and -weights will be made available

Module code: ECON311	**Semester 1**	**NQF level: 7**

Title: Fiscal and Monetary Policy

Module outcomes:
On completion of the module the student should be able to:
- demonstrate well-rounded and systematic knowledge of market failure and the role of government in the economy;
- demonstrate as an individual and/or part of a group, the practical skills to identify instances of market failure in case studies and to recommend the appropriate forms of government intervention; and
- demonstrate the competence to evaluate different forms of government intervention in the economy and to communicate recommendations to policymakers and stakeholders in written reports and oral presentations using the appropriate IT.

Method of delivery: Full-time and part-time

Assessment modes: Assessment methods and -weights will be made available in the study guides

Module code: ECON321	**Semester 2**	**NQF level: 7**

Title: Economic Analysis

Module outcomes:
On completion of the module the student should be able to:
- demonstrate well-rounded and systematic knowledge of classical linear regression models and specification testing of regression results;
- demonstrate as individual and/or part of a group, the practical skills to estimate and test a regression model with Eviews software, undertake specification testing, including testing for stationarity, structural breaks, multicollinearity, heteroscedasticity and autocorrelation, and to formulate solutions for practical problems in the field of Economic analyses;
- demonstrate the competence to identify a research question in the fields of Economics, Risk management or International trade, retrieve relevant information, apply basic statistics and econometric methods to analyse and interpret the research results, and then communicate the findings in an ethically-sound oral presentation using the appropriate IT as well as in a mini-dissertation of 20 pages.

Method of delivery: Full-time and part-time

Assessment modes: Formative and summative assessment methods and -weights will be made available.

Module code: EKRP211	Semester 1	NQF level: 6
Title: Introduction to Risk Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a clear understanding of what risk entails and how to manage risk strategically in a corporate environment in South Africa; • explain why risk management plays an important role in the business environment; • identify and distinguish between various types of risks; • demonstrate both theoretical knowledge and practical application of the risk management process, i.e. the identification, evaluation and control of risk in a variety of scenarios; • demonstrate a clear understanding of the various forms of risk financing strategies, the cost associated with the different strategies and the appropriateness thereof for different risks.		
Method of delivery: Full-time and part-time		
Assessment modes: Formative and summative assessment methods and -weights will be made available		
Module code: EKRP221	**Semester 2**	**NQF level: 6**
Title: Investment Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a solid knowledge of the general principles of Investment management; • explain the required rate of return as investment criterion; • discuss the fundamental principles of investment in terms of risk/return and the time value of money; • explain diversification; • discuss and analyse the investment management process; • discuss the organisation and functioning of security markets; • distinguish between and evaluate the different investment theories; • discuss valuation principles and practices in investment management; • explain and discuss fundamental analysis; • explain and discuss technical analysis; • discuss portfolio management and portfolio evaluation from the perspective of the investment manager.		
Method of delivery: Full-time and part-time		
Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on EFundi.		
Module code: EKRP311	**Semester 1**	**NQF level: 7**
Title: Bank Risk Management		
Module outcomes: On completion of the module the student should be able to: • demonstrate a sound and systematic knowledge and understanding of how the Assets and Liabilities Committee (ALCO) manages their assets and liabilities to address banking risks, the role that the management of these financial assets and liabilities plays in the South African economy, as well as the financial and other related risks in a financial institution; • demonstrate well-developed skills to solve problems by strategically managing the process of minimising financial risks, maximising the interest income and equity of financial institutions, and exhibiting a thorough understanding of the regulatory environment in which banks operate; • use individual and group methods to effectively communicate information with regard to bank risk management coherently and reliably in appropriate formats.		
Method of delivery: Full-time and part-time		
Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on EFundi.		
Module code: EKRP321	**Semester 2**	**NQF level: 7**
Title: Financial Markets		
Module outcomes: On completion of the module the student should be able to: • demonstrate a well-rounded and systematic knowledge and understanding of the mechanics of the South African Money and Capital Markets, including SAFEX and the Bond Exchange (the Johannesburg Stock Exchange and shares were covered in EKRP211), and understand and use the mechanics of the products and instruments, including derivatives, used in these markets and the regulatory environment; • demonstrate the ability to work as an analyst, a market dealer, stock broker and back office official in the banking and treasury environment; • in unfamiliar concrete and abstract scenarios, apply basic portfolio management using the products and		

instruments of the above-mentioned markets;
- work in groups and/or as an individual and effectively communicate information in an ethically-sound manner, using the appropriate IT.

Method of delivery: Full-time and part-time

Assessment modes: The formative and summative assessment methods and -weights will be made available in the study guides and on EFundi.

Module code: FINM221	**Semester 2**	**NQF level: 6**

Title: Financial Management: Introduction

Module outcomes:

On completion of the module the student should be able to:

- understand the role of financial management and the financial manager in a business organisation and identify the primary goal of financial management;
- understand the concept of the time value of money and perform calculations;
- understand the relationship between risk and return and evaluate the risk and return of organisations based on the necessary calculations;
- understand the basic accounting statements and concepts and perform an evaluation of financial performance, using financial statement analysis to assess the current financial condition of the firm;
- demonstrate a knowledge of the characteristics of the principle forms of finance used by companies and the ways in which they may be issued;
- demonstrate a basic knowledge of the characteristics of financial instruments and how they can be applied by companies to hedge against risk;
- demonstrate a complete and systematic knowledge of the factors to be considered by a company when deciding on its capital structure;
- demonstrate the skills to calculate the cost of the different sources of finance and the weighted average cost of capital of a company;
- understand and apply the various techniques in evaluating capital investment projects.

Method of delivery: Full-time and part-time

Assessment modes: Assessment criteria will be provided at the beginning of the semester

Module code: ITRW112	**Semester 1**	**NQF level: 5**

Title: Introduction to Programming

Module outcomes:

On completion of the module the student should be able to:

- demonstrate knowledge of the different components of the computer, an information system and programming languages and their uses;
- demonstrate knowledge of the utilization of spread sheets by applying knowledge of tables, computations, transfer of data between different applications and application environments, functions and graphs to process and present data;
- demonstrate the ability to solve problems by analysing and implementing structured programming techniques, data manipulation and data representation, event-driven applications in the spread sheet developments environment;
- proof insight into the ethical issues of the broader IT-world and be aware of the risks and dangers that challenge the IT-world;
- demonstrate communication skills in writing a report after a project is completed.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50

This is a guideline and can change.

Module code: ITRW123	**Semester 2**	**NQF level: 5**

Title: Graphical Interface Programming I

Module outcomes:

On completion of the module the student should be able to:

- demonstrate knowledge to write a computer program that requires theoretical foreknowledge;
- solve problems by applying theoretical foreknowledge;
- demonstrate that he/she has sufficient foreknowledge and insight into the graphical interface environment to develop computerized systems in an object-oriented computer language;
- demonstrate an understanding and the ability to implement the repeat, conditional and sequential structures;
- demonstrate that aspects like graphical interface design, event-driven programming procedures and object oriented programming as a basis have been established.

Method of delivery: Full-time

Module code: ITRW124	Semester 2	NQF level: 5
Title: Programming I		
Module outcomes: On completion of the module the student should be able to: • demonstrate a fundamental knowledge of the basic structures, data types, methods, classes and objects and their uses an object oriented programming language; • demonstrate the ability to solve unknown problems by designing and implementing object oriented programs, do error tracing, testing and execute applications; • have insight into and understand the issues related to the broader IT-environment and be aware of risks and dangers of the IT-environment.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW211	**Semester 1**	**NQF level: 6**
Title: Graphical Interface Programming II		
Module outcomes: On completion of the module the student should be able to: • demonstrate a solid knowledge of multi-threading, string processing, databases, data structures and sets and show intelligent insight into the theory of graphical programming interfaces; • design systems that is directed to industry and is user friendly and apply professional and ethical codes; • identify problems, critically analyse them and suggest solutions by designing and developing computer applications with the emphasis on user friendly interfaces; • demonstrate the ability to communicate/demonstrate solutions/programmes as individual or in a group by using applicable academic/professional oral or written reasoning.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW212	**Semester 1**	**NQF level: 6**
Title: Programming II		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge of search, sort and recursion methods and the use of an object oriented programming language and concepts to solve basic problems; • analyse and solve a problem and write a structured object oriented program for the solution; • discuss, use and do calculations in different numbering systems such as the binary numbering system; • solve problems that need file and exception handling in an object oriented programming language.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 4 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW213	**Semester 1**	**NQF level: 6**
Title: Systems Analysis and Design I		
Module outcomes: On completion of the module the student should be able to: • demonstrate sufficient knowledge and insight into project management techniques and apply the phases and techniques of the system development life cycle when the system is planned, analysed and developed; • demonstrate that he/she can correctly apply and use the phases and techniques of a project as individual or in a group, manage a practical project by applying project management techniques and think and behave in an innovative and creative way when a computerized system is designed and developed; • successfully write reports of projects and present it orally; • apply a professional attitude towards clients and use computer resources ethically and responsible when they create, complete and deliver IT projects.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		

Module code: ITRW214	Semester 1	NQF level: 6
Title: Decision Support Systems I		
Module outcomes: On completion of the module the student should be able to: • demonstrate sufficient knowledge and insight into decision support systems and discuss the value of such systems with a company; • formulate LP problems; • solve LP problems (graphically and by using the simplex method); • do sensitivity analysis on LP problems; • solve transportation and assignments problems and integer programming problems while using network models and network applications.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW222	**Semester 2**	**NQF level: 6**
Title: Data Structures and Algorithms		
Module outcomes: On completion of the module the student should be able to: • demonstrate sufficient knowledge and insight of data structures (vectors, matrices, linked lists, stacks and queues) and the complexities of data structures by setting up and manipulating object oriented methods to create abstract data types for the named data structures to solve different problems.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW225	**Semester 2**	**NQF level: 6**
Title: Systems Analysis and Design II		
Module outcomes: On completion of the module the student should be able to: • demonstrate sufficient knowledge and insight into project management techniques and the phases of the system life cycle to apply when a system is designed and implemented; • demonstrate that he/she can correctly apply and use the phases and techniques of a project as individual or in a group, manage a practical project by applying project management techniques and think and behave in an innovative and creative way when a computerized system is designed and developed; • successfully write reports of projects and present it orally; • apply a professional attitude towards clients and use computer resources ethically and responsible when they create, complete and deliver IT projects.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: ITRW311	**Semester 1**	**NQF level: 7**
Title: Data Bases I		
Module outcomes: On completion of the module the student should be able to: • apply a rounded and systematically knowledge and insight of entity relation modelling; normalization of database tables; write SQL and PL/SQL statements; apply procedures to design databases and retrieve information to solve known and abstract computer problems within the database environment.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: ITRW313	**Semester 1**	**NQF level: 7**
Title: Expert Systems		
Module outcomes: On completion of the module the student should be able to: • demonstrate sufficient knowledge of the important issues of the subject area as well as the historical background of the subject area; • know the basic concepts in the field of knowledge based systems; • understand the basis techniques in the field (for example knowledge representation and interference) and demonstrate the ability to apply practical problems; • develop simple computer programmes as expert systems by using suitable development tools or programming languages.		

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW315	Semester 1	NQF level: 7

Title: Communication Skills

Module outcomes:
On completion of the module the student should be able to:
(Learning unit A: Personal and Interpersonal efficiency)

- demonstrate a basic knowledge and insight of a principal bases value system to be used to set his/her objectives;
- demonstrate basic knowledge and insight to speak out on the importance of a skill in good interpersonal relationships and conflict management techniques and apply it on a small scale;

(Learning unit B: Technical Communication)

- demonstrate basic skills in communication of writing and presenting confidently write structured reports.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW316	Semester 1	NQF level: 7

Title: Operating Systems

Module outcomes:
On completion of the module the student should be able to:

- demonstrate a well-rounded and systematically knowledge and insight into the principals of operating systems and the ways operating systems are implemented;
- demonstrate she skills to install operating systems on computers;
- demonstrate the skills to use Linux and utility programmes in the execution of tasks.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW317	Semester 1	NQF level: 7

Title: Artificial Intelligence

Module outcomes:
On completion of the module the student should be able to:

- demonstrate a well-rounded and systematically knowledge of the concepts and techniques (like knowledge representation and search) within the field of Artificial Intelligence;
- demonstrate the ability to do problem solving as an individual by writing simple computer programmes in an Artificial Intelligence language suck as Prolog.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW321	Semester 2	NQF level: 7

Title: Data Bases II

Module outcomes:
On completion of the module the student should be able to:

- apply a rounded and systematically knowledge and insight of transaction management, management of simultaneous use, distributed databases management systems and database administration as an individual or in a group, applied on the administration of databases to solve known and abstract computer problems within the database environment.

Method of delivery: Full-time

Module code: ITRW322	Semester 2	NQF level: 7

Title: Computer Networks

Module outcomes:
On completion of the module the student should be able to:

- demonstrate a rounded and systematically knowledge of the workings of example networks of different reference frameworks for computer networks as well as network protocols that play a role on the different levels of the reference framework;
- complete a project that has different network possibilities as an individual or in a group.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: ITRW324	Semester 2	NQF level: 7
Title: IT Developments		
Module outcomes: On completion of the module the student should be able to: • demonstrate skills to do searches on the Internet and other sources to obtain supportive material to add to the knowledge and to solve problems; • demonstrate the ability to study, investigate, master and implement new technology with self-confidence and independently; • write correct reports on subjects that have been researched and mastered and systems that have been designed and implemented and to orally discuss and demonstrate these reports with fellow students.		
Method of delivery: Full-time		
Assessment modes: Summative: Approximately 6 projects (no written examination) This is a guideline and can change.		
Module code: ITRW325	**Semester 2**	**NQF level: 7**
Title: Decision Support Systems II		
Module outcomes: On completion of the module the student should be able to: • demonstrate a rounded and systematically knowledge and insight into the architecture of a decision support system; • demonstrate the skills to solve, individually or in a group, different types problems by choosing an appropriate decision support model; • demonstrate ability to construct a decision support system by integrating all previous obtained knowledge.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: STTN111	**Semester 1**	**NQF level: 5**
Title: Descriptive Statistics		
Module outcomes: On completion of the module the student should be able to: • demonstrate fundamental knowledge of the most important elementary statistical techniques that are used daily, such as sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fitting, prediction from least squares lines, the coefficient of correlation, multiple linear regression with applications in prediction, time series data, movement components to predict future outcomes, practical considerations regarding sample surveys and sample sizes; • demonstrate problem solving skills by analysing known and unknown problems, using knowledge to apply sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fits, predictions using least squares fits, correlation coefficients, interpretation of multiple linear regression output, movement component calculations, prediction of future outcomes time series data and sample size determination to real life data.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 2 hour examination; weight – 50 This is a guideline and can change.		
Module code: STTN115	**Semester 1**	**NQF level: 5**
Title: Descriptive Statistics and Inference		
Module outcomes: On completion of the module the student should be able to: • demonstrate fundamental knowledge and understanding of the most important elementary statistical techniques that are used daily, such as sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fitting, prediction from least squares lines, the coefficient of correlation, multiple regression, time series data, movement components to predict future outcomes, practical considerations regarding sample surveys and sample sizes. Also demonstrate knowledge and understanding of the normal and t probability distributions, the central limit theorem, estimation of population parameters by the use of point and interval estimation, hypothesis testing for population means and proportions for one and two samples (parametric and non-parametric). • demonstrate skills to use statistical knowledge and techniques to solve known and unknown real world problems and to communicate methods, solutions and conclusions as an individual and/or part of a group, orally and in writing in an ethical, responsible and acceptable way.		
Method of delivery: Full-time		

Module code: STTN121	Semester 2	NQF level: 5
Title: Introductory Statistical Interference		
Module outcomes: On completion of the module the student should be able to: • demonstrate fundamental knowledge of probability and probability distributions, the central limit theorem, estimation of population parameters by the use of point and interval estimation, hypothesis testing for population means and proportions for one and two samples, one-way analysis of variance (ANOVA) and categorical data analysis, contingency tables and basic tests on categorical data; • demonstrate problem solving skills by analysing known and unknown problems, using knowledge to do simple probability calculations, apply the central limit theorem, estimate population parameters using point and interval estimation, test hypotheses for population means and population proportions for one and two samples, apply one-way analysis of variance (ANOVA) methods and interpret computer output, apply methods for categorical data analysis such as contingency tables and basic tests on categorical data.		
Method of delivery: Full-time		
Module code: STTN125	**Semester 2**	**NQF level: 5**
Title: Introductory Probability Theory		
Module outcomes: On completion of the module the student should be able to: • concepts such as the sample space, events, probability measures, counting methods, random outcomes of events and the independence of events; • important probability theorems such as the law of total probability and the theorem of Bayes; • random variables, distribution functions and mass function, discrete random variables and the following distributions: binomial, geometric, negative binomial, hyper geometric, and Poisson as well as exponential, gamma and normal distributions and the functions of these variables; • one way analysis of variance (ANOVA) and apply it to practical problems with the use of computer output. • demonstrate skills to use statistical knowledge and techniques to solve known and unknown real world problems and to communicate methods, solutions and conclusions as an individual and/or part of a group, orally and in writing in an ethical, responsible and acceptable way.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 project; weight – 50 This is a guideline and can change.		
Module code: STTN215	**Semester 1**	**NQF level: 6**
Title: Probability Theory		
Module outcomes: On completion of the module the student should be able to demonstrate knowledge of: • the probability structure of two or more random variables as well as their joint distributions; • copulas and their properties; • conditional distributions and the application of probability calculations on conditional distributions; • order statistics and the application thereof; • the expected value and variance of all the important discrete and continuous random variables that were discussed in earlier work; • the covariance and correlation of two random variables, in addition to conditional expected values and moment generating functions; • two of the most important theorems of Probability theory, the so-called Law of Large Numbers and the Central Limit Theorem. • distributions derived from the normal distribution; • various sampling methods, such as simple random sampling and stratified sampling, and their properties. • demonstrate problem solving skills by analysing problems that had been previously encountered and problems that are new and unfamiliar. • use the computer language SAS (PROC IML) to apply these concepts practically.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		

Module code: STTN225	Semester 2	NQF level: 6
Title: Statistical Inference and Data Analysis		

Module outcomes:
On completion of the module the student should be able to:

- demonstrate fundamental knowledge of the following statistical concepts: method of moments and the method of maximum likelihood to estimate parameters, efficiency of an estimator, sufficient statistics, the testing of hypotheses, the duality of confidence intervals and hypothesis testing, informal techniques for assessing goodness of fit, methods for summarizing data, measures of location and spread, density estimation, and the bootstrap.
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, estimating parameters by means of the method of moments and maximum likelihood, determining if an estimator is efficient and finding sufficient statistics in a variety of problems.
- demonstrate the ability to construct complete and sufficient statistics, use the Neyman-Pearson paradigm to perform a hypothesis test, apply the connection between hypothesis testing and confidence intervals in the context of estimation, make conclusions using descriptive statistics, apply methods for summarizing data, calculate measures of location and spread, be able to use the bootstrap to (a) construct confidence intervals for a parameter and (b) estimate the variability of an estimator.
- apply these concepts to real-world data.
- use the computer language SAS (PROC IML) to apply these concepts practically.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: STTN315	Semester 1	NQF level: 7
Title: Statistical Inference and time series analysis		

Module outcomes:
On completion of the module the student should be able to demonstrate knowledge of:

- inference concerning two independent samples (both parametric and non-parametric inference);
- inference concerning two dependent or paired samples (both parametric and non-parametric inference) ;
- the practical considerations of the experimental designs when conducting experiments with two independent or dependent samples;
- the basic analyses and inferences applied to categorical data;
- autoregressive (AR), moving average (MA), autoregressive moving average (ARMA) and autoregressive integrated moving average (ARIMA) time series models;
- the process of identification, estimation and diagnosis of a time series;
- forecasting techniques using simple extrapolation and moving average models as well as applying smoothing techniques;
- the basic functionality of the computer package SAS (this includes reading in data sets, manipulating data sets, and the use of various SAS procedures to analyse data);
- demonstrate problem solving skills by analysing problems that had been previously encountered and problems that are new and unfamiliar.
- use the computer package SAS to apply all these concepts practically.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: STTN321	Semester 2	NQF level: 7
Title: Linear Models		

Module outcomes:
On completion of the module the student should be able to:

- understand the simple and multiple linear regression models, as well as the reasoning behind the assumptions in the regression model and the derivation of the distributions of the test statistics used in the inferences related to linear regression models;
- derive the least squares and maximum likelihood estimates of the parameters in a linear regression model;
- describe a linear regression model in matrix and vector notation;
- diagnose any departures from the assumptions and then apply remedial measures to correct the departures from the assumptions;
- understand the concepts of simultaneous inference as applied to linear regression models and describe how qualitative and quantitative predictor variables are dealt with within the linear regression framework;
- understand the fundamental concepts underlying nonlinear regression, describe the process of estimation of parameters in nonlinear regression models, describe the Logistic regression models and Poisson regression models, understand how these models are related to the generalized linear model

and perform inferences associated with these models;
- implement linear regression models by simple calculation and using computer software, practically diagnose models using the diagnostics steps described in the theory and then apply the remedial measures in a practical context;
- implement nonlinear regression models by simple calculation and using computer software.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50This is a guideline and can change.

Module code: STTN322	**Semester 2**	**NQF level: 7**

Title: Statistics Project

Module outcomes:
On completion of the module the student should be able to:
- carry out a successful statistical project, from design to analysis;
- identify which models are appropriate for a given data set, and make use of SAS or R to be able to implement the appropriate model;
- reconcile the theory of the basic statistical analyses leant in previous modules with the practical nature of the project and apply these techniques;
- compile/compose appropriate documentation for the project and develop oral presentation skills by presenting the project in a professional setting;
- demonstrate the necessary computer skills required to deal with statistical analyses using SAS and R, but also to deal with a wider variety of problems;
- apply computer based simulation studies using the languages R and SAS.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: TGWN223	**Semester 2**	**NQF level: 6**

Title: Numerical Analysis

Module outcomes:
On completion of the module the student should be able to:
- demonstrate fundamental knowledge and insight into the theory of basic numerical methods for general occurring mathematical problems, amongst which are the solving of non-linear equations, determining interpolation polynomials and the numerical determining of definite integrals,
- demonstrate problem solving skills by solving non-linear equations through iteration techniques, determining the interpolation polynomials of Lagrange and Newton, determining definite integrals by means of the trapezium method, Simpson's rule, Romberg integration and Gauss quadrature, and the computer application of these techniques, and the methods of Heun and Runge Kutta for the solution of single or systems of differential equations, and be able to apply these techniques computationally
- show a fondness for this field of study and demonstrate insight into the relation between reality and abstraction, model and solution.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: WISN111	**Semester 1**	**NQF level: 5**

Title: Introductory Algebra and Analysis I

Module outcomes:
On completion of the module the student should be able to:
- demonstrate fundamental knowledge of basic set theory and logic, the system of integer and real numbers, mathematical induction, permutations and combinations and the binomial theorem, the concept of functions, circle measure and trigonometric functions, inverse functions and inverse trigonometric functions, polynomials in one variable, rational functions, partial fractions, vectors and the operations between vectors, complex numbers, representations by polar coordinates, limits, continuity and differentiability of standard functions, indefinite integrals of simple functions, the theorem of L'Hospital and its applications, the use of derivatives in optimisation and in sketching curves;
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, by using the knowledge of techniques to apply set notation and logic to systems of numbers, by proving theorems with mathematical induction, by determining the number of arrangements and selections from a set, by developing powers of first degree polynomials, by finding the limits of all the above mentioned functions, also by using the theorem of L'Hospital, by calculating derivatives and indefinite integrals of simple functions and sketching the functions, by formulating optimisation problems mathematically and using knowledge of derivatives to solve them, by performing operations with complex numbers and vectors, and sketching curves in polar coordinates.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 2 hour examination; weight – 50
This is a guideline and can change.

Module code: WISN113	Semester 1	NQF level: 5

Title: Basic Mathematical Techniques

Module outcomes:
On completion of the module the student should be able to:

- demonstrate introductory level knowledge of the concept of a mathematical function elucidated from examples that include exponential and logarithmic functions, a method to solve sets of linear equations, matrix algebra, linear programming problems in two variables, analysis of the rate of change of mathematical functions by using differentiation to investigate the characteristics of the function;
- demonstrate skills to recognise the presence and applicability of mathematical concepts in a scientific situation and to construct a mathematical model of the problem situation in order to reach a solution by applying differentiation techniques, arithmetic techniques or linear algebra.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 2 hour examination; weight – 50
This is a guideline and can change.

Module code: WISN121	Semester 2	NQF level: 5

Title: Introductory Algebra and Analysis II

Module outcomes:
On completion of the module the student should be able to:

- demonstrate fundamental knowledge of basic concepts of sequences, series and power series, and the basic theorems on the converging of series, Taylor series, the basic properties and applications of the definite integral, the fundamental theorems of differential and integral calculus, hyperbolic and inverse hyperbolic functions, applications of integration to surfaces, lengths and volumes, first order separable differential equations, systems of linear equations, Gaussian reduction, matrices and matrix operations, determinants and Cramer's rule;
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, using knowledge of techniques to handle systems of linear equations, judging convergence of sequences and series, calculating Taylor series, determining integrals and derivatives and integrals of exponential and hyperbolic functions, solving differential equations and calculating surfaces, lengths and volumes.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: WISN211	Semester 1	NQF level: 6

Title: Analysis III

Module outcomes:
On completion of the module the student should be able to:

- demonstrate a thorough knowledge and insight into all the aspects of the differential calculus of multivariate functions: partial and directional derivatives, the gradient function, optimisation problems, including Lagrange's method, the theory of multiple integrals to calculate partial derivatives, directional derivatives and gradients, and double and triple integrals;
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, using knowledge of techniques to solve practical problems modelled with multivariate functions, use the geometric and physical meaning of the above-mentioned concepts to abstract the underlying mathematical structure of applied problems and interpret the significance of the mathematical solution.

Method of delivery: Full-time

Module code: WISN212	Semester 1	NQF level: 6

Title: Linear Algebra I

Module outcomes:
On completion of the module the student should be able to:

- demonstrate a thorough knowledge and insight into the solvability of systems of linear equations; the basic properties of Euclidean spaces and linear transformations, interdependency of general vector space concepts; demonstrate the ability to determine eigenvalues and eigenvectors;
- demonstrate problem solving skills by analysing familiar and unfamiliar problems, using knowledge of techniques to solve systems of linear equations in the context of a vector space; perform matrix operations; determine bases for subspaces; calculate eigenvalues and eigenvectors; execute these matrix calculations and interpret the results.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
This is a guideline and can change.

Module code: WISN224	Semester 2	NQF level: 6
Title: Analysis IV		
Module outcomes: On completion of the module the student should be able to: • Functions from Rn to Rm (vector fields), the differentiation of and chain rule for such functions, Taylor's theorem, line integrals and the Fundamental Theorem of line integrals, Green's theorem, oriented surfaces and surface integrals, rotation and divergence, the theorems of Stokes and Gauss. • Convergence criteria for sequences of real numbers (monotone convergence, Cauchy sequences, limsup=liminf), description of topological aspects in terms of sequences (Bolzano-Weierstrass property for sequences, limit and continuity of functions, properties of continuous functions). • Convergence of series, standard convergence tests, absolute and conditional convergence, power series and convergence intervals for power series, power series representations of functions, differentiation and integration of power series, Taylor and Macluarin series (approximating functions with polynomials).		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		
Module code: WISN226	**Semester 2**	**NQF level: 6**
Title: Linear Algebra II		
Module outcomes: On completion of the module the student should be able to: • demonstrate a thorough knowledge of and insight into general vector spaces and bases; inner products; vector norms; linear transformations, the use of eigenvalues and eigenvectors, diagonalisation and the advanced skill to apply vector norms, orthogonalisation, symmetric matrices, quadratic forms, and matrix factorisations. • demonstrate skill in problem solving and proof techniques by analysing known and unknown problems and applications and applying the knowledge and techniques of linear algebra		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		

Module code: WISN223	Semester 2	NQF level: 6
Title: Discrete Mathematics		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge of proportional- and predicate logic and logical argumentation, general proving techniques including direct and indirect arguments and counter examples, basic notation and the properties of set theory and Boolean algebras, calculation of probabilities by basic counting techniques, properties of mathematical functions and the pigeonhole principle, introductory graph theory; • apply and demonstrate concepts; • recognise the presence and applicability of mathematical concepts in a practical situation and program the concepts in the correct way.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: WISN313	**Semester 1**	**NQF level: 7**
Title: Complex Analysis		
Module outcomes: On completion of the module the student should be able to: • Be able to define and determine the derivatives of complex and vector functions, demonstrate knowledge of the concept of differentiability and analyticity and be familiar with its use, demonstrate knowledge of the concept of a line integral and complex contour integral, be familiar with the theorems of Cauchy and their application in computing complex contour integrals. • Be familiar with diverse consequences of Cauchy's theorem and their application, demonstrate knowledge of the theorems of Taylor and Laurent and their applications, demonstrate knowledge of singular points and residues of complex functions, be familiar with the description of singular points and the computation of residues, be familiar with Cauchy's Residue theorem and its use. • able to solve several improper integrals and other important real integrals by means residue theory, be able to calculate the maxima and minima of complex functions, be able to apply these theorems in other areas.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50		

Module code: WISN323	Semester 2	NQF level: 7
Title: Real Analysis		
Module outcomes: On completion of the module the student should be able to: • demonstrate a fundamental knowledge of the theory of real numbers; the topology of finite dimensional vector spaces; compactness and connectedness; continuous and uniformly continuous functions; continuous images of compact and connected sets; convergence of sequences and Cauchy-sequences; convergence and uniform convergence of sequences of functions; Riemann- integration; differentiation of vector functions of several variables; implicit function theorem for such functions; bijections, diffeomorphisms and open mappings; extreme values with and without constraints; Lagrange's method; inequalities of Cauchy-Schwarz, Hölder and Minkowski. • demonstrate the ability to solve problems in the area of real analysis; be able to test functions for their continuity and differentiability, be able to solve problems in integration and differentiation theory, and solve extreme value problems with and without constraints, be able to apply mathematical theorems in related areas such as probability theory.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 3 hour examination; weight – 50 This is a guideline and can change.		
Module code: WVNS211	**Semester 1**	**NQF level: 6**
Title: Understanding the Natural World		
Module outcomes: On completion of the module the student should be able to: • have a fundamental knowledge base of the nature and function of world views and ideologies as reflected in the historical development of science from antiquity up to the post-modern era; • understand the relationship between norms and science; understand the influence of science and technology on the spiritual, cultural and material world view of man, his society and his environment; • understand and discuss key issues in the development of science in the context of value systems as reflected in their world view.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 2 hour examination; weight – 50 This is a guideline and can change.		
Module code: WVNS221	**Semester 2**	**NQF level: 6**
Title: Science and Society		
Module outcomes: On completion of the module the student should be able to: • demonstrate that he/she can identify and critically react to the basic issues in the contemporary discussion about science, technology and society, with specific reference to the science and technology system in South Africa; • identify and critically react, according to a value-based orientation in a particular world view, to the most important ethical issues in the subject areas of a programme; • understand the role of multi-culturally in the conduct of scientific practice and in the progress of science; • adopt a well-argued viewpoint on the concept of sustainable development, including the socio-economic implications thereof; • discuss different systems-thinking perspectives and view contemporary issues in science and technology from a systems perspective. In all cases the view expressed by the student must flow forth from a self-chosen but acknowledged frame of reference in the relevant area.		
Method of delivery: Full-time		
Assessment modes: Summative: 1 x 2 hour examination; weight – 50 This is a guideline and can change.		

E.4.5 MODULE OUTCOMES: EXTENDED PROGRAMMES BACHELOR OF SCIENCE

Foundation modules are preparatory for the regular first/second/third level modules and combine some aspects of the regular module material with substantial provision for foundation material.

Module code: ACFS111	**Semester 1**	**NQF level: 5**
Title: Accounting Special: Basic Concepts, Accounting Cycle and Accounting Systems		
Module outcomes: On completion of the module the student should be able to: • explain the purpose and function of accounting; • demonstrate a clear understanding of the accounting equation; • create journals, ledgers subsidiary ledgers and control accounts; • design an accounting system that will meet the requirements of a specific entity; • record transactions and prepare financial statements of sole traders.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester by means of a working schedule.		
Module code: ACFS121	**Semester 2**	**NQF level: 5**
Title: Accounting Special: Bank Reconciliation, Elementary Financial Reporting and Analysis and Interpretation of Elementary Financial Statements		
Module outcomes: On completion of the module the student should be able to: • draw up a cash receipts- and payment journal and to prepare a bank reconciliation statement; • prepare a financial for sole traders and partnerships on a generally acceptable format; • identify and explain financial ratios; explain their purpose and use in the analyses of the liquidity, profitability and solvency of a sole trader.		
Method of delivery: Full-time		
Assessment modes: Assessment criteria will be provided at the beginning of the semester by means of a working schedule.		
ACFS111,121 (Financial Accounting Special) are preparatory for the regular first level modules in Accounting. It is intended for students who have not taken accounting at grade 12 level		

Module code: CTSS111	**Semester 1**	**NQF level: 5**
Title: Critical Thinking Skills		
Module outcomes: On completion of the module the student should be able to: • demonstrate basic knowledge of the fundamentals of argumentation; • demonstrate the ability to analyse texts and arguments critically; • develop well-structured arguments in a written format.		
Method of delivery: Full-time		
Assessment modes: Formative and summative		
CTSS111 (Critical Thinking Skills) is preparatory for critical thinking skills required across all regular modules		
Module code: ITSP111	**Semester 1**	**NQF level: 5**
Title: Introduction to Problem Solving		
Module outcomes: On completion of the module the student should be able to: • explain the difference between solving problems and writing computer programming language code; • understand what problems are and that they have several possible solutions; • apply a strategy to help understand, solve, and evaluate the solution to a problem; • write solutions to problems in a semi-formal structured English (pseudo-code); • recognize the role of sequence, choice (selection), and repetition (iteration) in solving problems; • understand the importance of the role of abstraction in problem solving; • identify the variables (data items) needed in a problem solution (algorithm); • estimate likely ranges of variables; • apply the problem solving strategy to real-world problems involving variables and nested action blocks; • understand the ways in which different kinds (types) of data affect the way solutions to problems are designed; • recognize appropriate operations that can be carried out on different data types; • identify different ways of carrying out selection and iteration and understand how different specialized		

control constructs can be used appropriately;
- understand the difference between simple and compound selections, and how complex conditions can be expressed to control the selections;
- understand the difference between determinate and indeterminate iterations and how complex conditions can be expressed to control the iterations;
- determinate: count-controlled iteration;
- indeterminate: zero-or-more and at-least-once iterations;
- Analyse real-world problems to identify the appropriate selection and iteration constructs to use.

Method of delivery: Full-time

Assessment modes: Formative and Summative

ITSP111 (Introduction to Problem Solving) is intended for students who have not taken programming at a grade 12 level.

Module code: ITSP121	**Semester 2**	**NQF level: 5**

Title: Introductory Programming Principles

Module outcomes:
On completion of the module the student should be able to:
- know various components of a computer;
- understand how various components of a computer work;
- understand how to use various components of a computer effectively;
- demonstrate knowledge of how a computer works;
- know and explain basic computer concepts;
- write basic algorithms.

Method of delivery: Full-time

Assessment modes: Formative and Summative

ITSP121 (Introductory Programming Principles) is preparatory for the regular first level module in Programming.

Module code: ITSP113	**Semester 1**	**NQF level: 5**

Title: Introduction to Graphical Interface Programming

Module outcomes:
On completion of the module the student should be able to:
Knowledge
- demonstrate that he/she is familiar with basic theoretical programming concepts and have gained basic introductory knowledge and skills of a graphical interface programming environment to develop and test basic programs in a GUI computer programming language;
- understand introductory aspects of graphical interface design and event-driven programming;

Skills
- prove that he/she can apply the theory of basic graphical interface programming in a practical way by writing algorithms and subsequently solve basic problems using a GUI programming language.

Method of delivery: Full-time Lecture (contact sessions) / practical student participation in lab.

Assessment modes: Formative: Class tests theory and practical. Lecture /student observation and interaction. Summative: Formal examination.

ITSP113 (Introduction to Graphical Interface Programming) is preparatory for the regular first level module in Graphical Interface Programming.

Module code: ITSP114	**Semester 1**	**NQF level: 5**

Title: Introduction to Object Oriented Programming

Module outcomes:
On completion of the module the student should be able to:
Knowledge
- demonstrate basic knowledge on and insight in the basic structures, data types, methods, classes and objects of an object oriented programming language;
- demonstrate basic knowledge and insight on problem solving, including: debugging, testing and executing of applications;

Skills
show that he/she can apply the knowledge and insight that have been obtained in problem solving by means of a computer. Specifically he/she should be able to:
- develop a solution plan (algorithm) to solve a problem that has been defined, "translate" (encode) the algorithm in Java, debug it, test it and execute it by means of the computer;
- apply certain steps of problem solving on defined problems;
- use general properties of the programming language Java to develop applications;
- create and use classes in problem solving;

- handle different data types in Java;
- do arithmetic calculations;
- use classes and methods that already have been defined in Java;
- use Java's decision making structures (choice), namely *if* and *switch*, in problem solving;
- use the repeating structures of Java (loops), namely *while*, *do. While* and *for* in problem solving;
- use a good programming style (program readability);
- write structured classes and programs that gives neat output;
- write programs that are user friendly.

Method of delivery: Full-time Lecture (contact sessions) / practical student participation in lab.

Assessment modes: Formative: Class tests theory and practical. Lecture /student observation and interaction. Summative: Formal examination.

ITSP114 (Introduction to Object Oriented Programming) is preparatory for the regular first level module in Programming.

Module code: STTF115	**Semester 1**	**NQF level: 5**

Title: Descriptive Statistics

Module outcomes:
On completion of the module the student should be able to:

- demonstrate fundamental knowledge of the most important elementary statistical techniques that are used daily, such as sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fitting, prediction from least squares lines, the coefficient of correlation, multiple linear regression with applications in prediction, time series data, movement components to predict future outcomes, practical considerations regarding sample surveys and sample sizes;
- demonstrate problem solving skills by analysing known and unknown problems, using knowledge to apply sampling methods, graphical representation of data, descriptive measures of location and spread, least squares line fits, predictions using least squares fits, correlation coefficients, interpretation of multiple linear regression output, movement component calculations, prediction of future outcomes time series data and sample size determination to real life data.

Method of delivery: Full-time

Assessment modes: Summative: 1 × 2 hour examination; weight – 50
This is a guideline and can change

Module code: STTF121	**Semester 2**	**NQF level: 5**

Title: Foundation Statistics II

Module outcomes:
On completion of the module the student should be able to:

- test the overall regression model and the individual regression variables for statistical significance using Excel;
- analysing time series using Excel
- use excel to derive probabilities, confidence intervals and to test hypotheses;
- carry out a statistical project, from design to analysis.

Method of delivery: Full-time

Assessment modes: Summative: 1 × 2 hour examination; weight – 50
This is a guideline and can change.

Module code: STTF125	**Semester 2**	**NQF level: 5**

Title: Introductory Statistical Inference

Module outcomes:
On completion of the module the student should be able to:

- demonstrate fundamental knowledge of probability and probability distributions, the central limit theorem, estimation of population parameters by the use of point and interval estimation, hypothesis testing for population means and proportions for one and two samples, one-way analysis of variance (ANOVA) and categorical data analysis, contingency tables and basic tests on categorical data;
- demonstrate problem solving skills by analysing known and unknown problems, using knowledge to do simple probability calculations, apply the central limit theorem, estimate population parameters using point and interval estimation, test hypotheses for population means and population proportions for one and two samples, apply one-way analysis of variance (ANOVA) methods and interpret computer output, apply methods for categorical data analysis such as contingency tables and basic tests on categorical data.

Method of delivery: Full-time

Assessment modes: Summative: 1 ×2 hour examination; weight – 50
This is a guideline and can change

Module code: STTF215	Semester 1	NQF level: 6
Title: Practical Statistics		

Module outcomes:
On completion of the module the student should be able to:

- understand the important requirements of questionnaire design;
- identify and apply the steps in data preparation prior to data analysis;
- interpret the printouts; i.e. graphs, tables, descriptive statistical measurements and probabilities;
- use a statistical package to analyse data;
- understand the simple and multiple linear regression models as well as the reasoning behind the assumptions in the regression model;
- diagnose any departures from the assumptions and then apply remedial measures to correct the departures from the assumptions;
- analysing and forecasting time series data;
- carry out a successful statistical project, from design to analysis;

Method of delivery: Full-time

Assessment modes: Summative: 1 × 3 hour examination; weight – 50
This is a guideline and can change

Module code: STTF225	Semester 2	NQF level: 6
Title: Introduction to Probability		

Module outcomes:
On completion of the module the student should be able to:

- demonstrate knowledge of concepts such as outcome space, events, probability measures, counting processes, stochastic outcomes of events and the independence of events;
- demonstrate knowledge of important probability theorems, such as the law of total probability and the theorem of Bayes;
- demonstrate knowledge of stochastic variables, distribution functions and mass functions (Special attention will be given to discrete stochastic variables and the following distributions will be discussed in depth: binomial, geometric, negative binomial, hyper geometric and Poisson distributions. The following continuous random variables, together with their distribution functions will be discussed in detail: exponential, gamma and normal distributions. Functions of these variables will also be discussed.);
- demonstrate knowledge of probability structures of two or more stochastic variables defined in the same outcome space and functions of joint distributions.

Method of delivery: Full-time

Module code: STTF211	Semester 1	NQF level: 6
Title: Introduction to Probability		

Module outcomes:
On completion of the module the student should be able to:

- apply basic probability concepts;
- solve problems with random variables of the discrete type and continuous type;
- solve problems with two random variables.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
project; weight – 50
This is a guideline and can change.

Module code: STTF221	Semester 2	NQF level: 6
Title: Introduction to Sampling Theory and Statistical Inference		

Module outcomes:
On completion of the module the student should be able to:

- apply techniques to transform two random variables;
- apply estimation techniques;
- understand and evaluate some of the properties of point estimators;
- apply the Method of Moments to find estimators.

Method of delivery: **Full-time**

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
project; weight – 50
This is a guideline and can change.

STTF211,221 (Introduction to Probability and Sampling Theory and Statistical Inference) are preparatory for the regular second level modules in Statistics in order to achieve a level of statistical skills.

Module code: STTF311	Semester 1	NQF level: 7
Title: Statistical Inference		

Module outcomes:
On completion of the module the student should be able to:

- find sufficient and complete estimators;
- understand and apply the Rao-Blackwell theorem;
- conduct hypothesis testing;
- apply the Neymann-Pearson lemma;
- construct likelihood ratio tests.

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
project; weight – 50

This is a guideline and can change.

Module code: STTF321	Semester 2	NQF level: 7
Title: Foundation Data Mining		

Module outcomes:
On completion of the module the student should be able to:

- understand simple and multiple linear regression models, understand the reasoning behind the assumptions in the regression model, diagnose any departures from the assumptions and then apply remedial measures to correct the departures from the assumptions and incorporate qualitative variables into a regression model by using dummy variables;
- analyse and forecast time series data;
- carry out a successful statistical project, from design to analysis;
- demonstrate report writing skills (compile/compose appropriate documentation for the project);
- demonstrate the necessary computer skills required to deal with statistical analyses using Excel and SPSS

Method of delivery: Full-time

Assessment modes: Summative: 1 x 3 hour examination; weight – 50
project; weight – 50

This is a guideline and can change.

STTF311,321 (Statistical Inference and Foundation Data Mining) are preparatory for the regular third level modules in Statistics in order to achieve a level of data mining skills.

Module code: WISS111	Semester 1	NQF level: 5
Title: Introduction to Mathematics I		

Module outcomes:
On completion of the module the student should be able to:

- demonstrate knowledge on an introductory level of functions, exponential laws, logarithmic laws, limit laws and other basic theorems;
- demonstrate knowledge on different types of graphs, solving systems of linear equations, linear programming problems in two variables, limits, analysing the rate of change of functions, the Remainder theorem and Factor theorem to factorize polynomials and solve equations;
- apply and demonstrate mathematical concepts and properties by simplifying expressions and solving linear and quadratic equations and linear inequalities

Method of delivery: Full-time

Module code: WISS121	Semester 2	NQF level: 5
Title: Introduction to Mathematics II		

Module outcomes:
On completion of the module the student should be able to:

- demonstrate knowledge on an introductory level of absolute values and the nature of the roots of quadratic equations;
- solve inequalities (in general) and equations with absolute values;
- demonstrate knowledge on the inverse functions and graphs of polynomials;
- demonstrate knowledge on trigonometric functions and identities;
- find solutions to equations with trigonometric functions on a given interval as well as general solutions;
- demonstrate knowledge on the transformation of functions.

Method of delivery: Full-time

WISS111, 121 (Introduction to Mathematics I/II) are preparatory for the regular first level modules in Mathematics in order to achieve a level of mathematical skills.

Module code: WISS113	Semester 1	NQF level: 5
Title: Introduction to Mathematical Techniques I		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge on an introductory level of number systems and exponential laws; • write simple word problems in mathematical form; • apply and demonstrate mathematical concepts and properties by simplifying expressions and solving linear and quadratic equations and linear and quadratic inequalities.		
Method of delivery: Full-time		
Module code: WISS123	**Semester 2**	**NQF level: 5**
Title: Introduction to Mathematical Techniques II		
Module outcomes: On completion of the module the student should be able to: • demonstrate knowledge on an introductory level of functions, exponential laws, logarithmic laws and limit laws; • demonstrate knowledge on different types of graphs, solving systems of linear equations, linear programming problems in two variables, limits, analysing the rate of change of functions; • demonstrate knowledge on financial mathematics; • apply and demonstrate mathematical concepts and properties by simplifying expressions and solving linear and quadratic equations, linear inequalities, exponential equations and logarithmic equations.		
Method of delivery: Full-time		
WISS113,123 (Introduction to Mathematical Techniques I/II) are preparatory for the regular first level modules in Mathematics in order to achieve a level of mathematical skills.		

E.4.6 ALPHABETICAL LIST OF MODULES

Module code	Descriptive name	Prerequisites	Credits
ACCC111	Accounting: Framework, Foundations, Cycle and Financial Reporting	Mathematics level 5 (60-69%) and Accounting level 4 (50-59%)	16
ACCC121	Accounting: Accounting for Different Entities	ACCC111 or ACCF111 (65%)	16
ACCC271	Accounting: Corporate Accounting and introduction to IFRS and group statements	ACCC121 (55%) or ACCF111,121 (65%) and ACCC121 (55%) in the 2nd exam opportunity	32
ACCC371	Accounting: Complex Corporate Accounting (including group statements) and IFRS	ACCC271 (55%)	32
ACCF111	Financial Accounting: Basic Concepts, Accounting Systems and Elementary Financial Reporting	Mathematics Grade 12 level 3 (40-49%)	16
ACCF121	Financial accounting: Elementary Financial Reporting, Partnerships, Closed Corporations and Companies	ACCF111 (40%) or ACCC111 (40%) or ACCS 111 (65%)	16
ACCF211	Financial Accounting: Financial Reporting	ACCF111 & 121 or ACCC111 & 121	16

Module code	Descriptive name	Prerequisites	Credits
ACCF221	Financial Accounting: Special Topics and Elementary Group Statements	ACCF211 (40%) or ACCC271 (40%)	16
ACCF311	Financial Accounting: Group Statements and Introduction to International Financial Reporting Standards (IFRS)	ACCF211 & 221 or ACCC271	16
ACCF321	Financial Accounting: International Financial Reporting Standards (IFRS)	ACCF311 (40%) or ACCC371 (40%)	16
ACCS111	Financial Accounting (Special): Basic Concepts, Accounting Cycle and Accounting Systems		16
ACCS111	Financial Accounting (Special): Basic Concepts, Accounting Cycle and Accounting Systems		16
ACCS121	Financial Accounting (Special): Financial Reporting, Analyses and Interpretation of Financial Statements	ACCS111 (40%)	16
ACFS111	Accounting Special		16
ACFS112	Accounting Special (CA)		16
ACFS121	Accounting Special	ACFS 111 (40%)	16
ACFS122	Accounting Special (CA)	ACFS112 (40%)	16
ACMP311	Computer applications in Accountancy		12
AGLE111	Introduction to Academic Literacy	TALL test	
AGLE121	Academic Literacy	AGLA/E111 or TALL test	12
AUDT211	Auditing: The Auditor and the Audit Process	ACCC111,121	12
AUDT221	Auditing: Applications and Computer Auditing	AUDT211 (40%)	12
AUDT371	Auditing: Audit process- and Company Law Application	AUDT211 & 221	24
AUDF211	Financial Auditing-Introduction to the auditing process	ACCC111 &121 or ACCF111 & 121	12
AUDF221	Financial Auditing- Application of audit principles	AUDF211 (40%)	12
AUDF311	Financial Auditing – Corporate governance and ethical principles	AUDF211 & 221	12
AUDF 321	Financial Auditing – The audit process and the application of audit techniques	AUDF211 & 221	16
BMAN111	Introduction to Business Management		12
BMAN121	General Management		12
BMAN211	Introduction to Marketing Management		16
BMAN212	Entrepreneurial skills		16
BMAN221	Purchasing Management		16

Module code	Descriptive name	Prerequisites	Credits
BMAN222	Entrepreneurial Opportunities		16
BMAN311	Financial Management		16
BMAN312	Entrepreneurship		16
BMAN321	Strategic Management		16
BMAR211	Services Marketing		16
BMAR221	Consumer Behaviour		16
BMAR311	Product Decisions		16
BMAR312	Price and Distribution Decisions		16
BMAR321	Marketing Research		16
BMAR322	Integrated Marketing Communications		16
BRSF121	Analytical Thinking		8
BWIA111	Introduction to Financial Mathematics		12
BWIA121	Introduction to Actuarial Sciences	BWIA111 & WISN111	12
BWIA271	Financial Mathematics	BWIA121 & WISN121	32
BWIA313	Actuarial Statistical Models	BWIA271	24
BWIN321	BMI project: Capital Markets Modelling and Analysis	BWIA313 & STTN315	16
CTSS111	Critical Thinking Skills		8
ECON111	Introduction to Economics		12
ECON121	Basic Micro- and Macro-economics		12
ECON211	Macro-economics	ECON121 & WISN/111/112/123 (40%)	16
ECON221	Micro-economics	ECON121 & WISN111/112/ 123 (40%)	16
ECON311	Fiscal and Monetary Policy		16
ECON321	Economic Analysis		16
ECON322	Development Economics		16
EKIP211	International Trade		16
EKIP221	International Financing		16
EKIP311	International Trade Geography		16
EKIP321	International Business Communication		16
EKRP211	Introduction to Risk Management		16
EKRP221	Investment Management		16
EKRP311	Bank Risk Management		16
EKRP321	Financial Markets	WISN111/112/123	16
FINM221	Financial Management Introduction	ACCC121 or ACCF121 (40%) and WISN112/123/111	16
FINM321	Financial Management: Decision Making and Valuations	FINM221	16
FREB111	Elementary Business French 1		12
FREB121	Elementary Business French 2		12
GERB111	Elementary Business German 1		12
GERB121	Elementary Business German 2	GERB111	12
HRMA122	Functions of Human Resource Management		12
IOPS111	Introduction to Industrial Psychology		12

Module code	Descriptive name	Prerequisites	Credits
IOPS121	Occupational Health and Ergonomics		12
IOPS211	Personnel Psychology		16
IOPS221	Career Psychology		16
IOPS311	Organisational Behaviour		16
IOPS321	Psychometrics and Research Methodology		16
ITRW112	Introduction to Programming		12
ITRW123	Graphic Interface Programming I	ITRW112 or ITSP113	12
ITRW124	Programming I	ITRW112 or ITSP114	12
ITRW211	Graphic Interface Programming II	ITRW123	8
ITRW212	Programming II	ITRW124	16
ITRW213	Systems Analysis and Design I	ITRW123 or ITRW124	16
ITRW214	Decision Support Systems I	WISN111 or WISN113	16
ITRW222	Data Structures and Algorithms	ITRW212	16
ITRW225	System Analysis and Design II	ITRW213	16
ITRW311	Databases I	ITRW225 (IT) ITRW222 (BWI)	16
ITRW313	Expert Systems	ITRW211 or ITRW212	8
ITRW315	Communication Skills	Must be registered for any other IT-module on level 3	8
ITRW316	Operating Systems	ITRW222	16
ITRW317	Artificial Intelligence	Must be registered for any other IT-module on level 3	16
ITRW321	Databases II	ITRW311	16
ITRW322	Computer Networks	ITRW316	16
ITRW324	IT Developments	Must be registered for any other IT-module on level 3	16
ITRW325	Decision Support Systems II	ITRW214	16
ITSP111	Introduction to Problem Solving		12
ITSP121	Introductory Programming Principles		12
ITSP113	Introduction to Graphical Interface Programming		16
ITSP114	Introduction to Object Oriented Programming		16
IURI111	Law of Persons		12
IURI121	Indigenous Law		12
IURI171	Introduction to Law		16
IURI172	History of South African Law		16
IURI173	Family Law		16
IURI174	Language Skills and Legal Context I		16
IURI211	Criminal Law		12
IURI213	Legal Interpretation		12
IURI221	Criminal Law (Specific Crimes)		12
IURI222	Labour Law		12
IURI223	Fundamental Rights		12
IURI272	Law of Property		16

Module code	Descriptive name	Prerequisites	Credits
IURI273	Law of Delict		16
IURI274	Language Skills and Legal Context II	IURI174	16
IURI311	Entrepreneurial Law		12
IURI373	Law of Contract		16
IURI321	Administrative Law		
IURI412	Introduction to Jurisprudence		12
KCOM226	Business Communication Skills		12
LARM111	Introduction to Labour Relations		12
LARM211	Occupational Management		16
LARM221	Group Dynamics		16
LARM311	Theory and Practice of Labour Relations		16
LARM321	Management of Labour Relations		16
LARM322	Conflict Resolution		16
MACC211	Management Accounting: Cost terms, -elements and -systems.	ACCS111 & 121 or ACCC111 & 121 or ACCF111 & 121	16
MACC221	Management Accounting: Cost Behaviour Patterns and Decision-making Techniques	MACC211 (40%)	16
MACC311	Management Accounting: Planning and Control	MACC211 & 221	16
MBWK112	Motor Learning		12
MBWK216	Biomechanics		8
MBWK218	Introduction to Sport Injuries	MBXR114	8
MBWK223	Ki anthropometry	MBXR114	8
MBWK226	Sport and Exercise Psychology		8
MBXC124	Game Skills Development in Cricket		12
MBXC225	Game Skills Applications in Cricket		16
MBXC324	Practical Coaching in Cricket		32
MBXG114	Coaching Science of Golf		8
MBXH221	Coaching Science of Hockey		8
MBXK124	Generic Coaching Science		12
MBXR112	Supplementation and Ergogenic Aids		12
MBXR114	Basic Anatomy and Energy Systems		12
MBXR214	Sport Physiology in Practice	MBXR114	8
MBXR216	Game Notational Analyses and Preparation		16
MBXR217	Sport Organization and Development		8
MBXR218	Sport Commercialisation, Sport Development and Sport Law		16
MBXR219	Sport Organisation and Administration		8
MBXT211	Coaching Science of Tennis		8
MLAW111	Introduction to Contracts and Business Law		12
MLAW121	Mercantile Law: Business Forms		12
MLAW211	Mercantile Law: Advanced Company Law	MLAW121	12
PETH211	Professional Ethics for Accountants		12
PSDT111	Professional Skills Development		12

Module code	Descriptive name	Prerequisites	Credits
PSYC121	Social and Community Psychology		12
PSYC211	Developmental Psychology		16
PSYC212	Personality Psychology		16
PSYC311	Psychopathology		16
RKKX113	Introduction to Recreation Science		12
RKKX123	Introduction to Outdoor Recreation		12
RKKX214	Recreation Leadership		16
RKKX314	Professional Issues in Recreation		16
RKKX325	Recreation Management		16
STRA321	Strategy, Risk Management and Control	ACCC271 or ACCF211 & 221	12
STTF111	Foundation Statistics I		12
STTF121	Foundation Statistics II	STTF111	12
STTF115	Descriptive Statistics		12
STTF125	Introductory Statistical Inference	STTF 115	16
STTF215	Practical Statistics	STTF 125	16
STTF225	Introduction to Probability	STTF215&WISN111	16
STTK321	Linear Models	STTN315	24
STTK322	Statistics Project	STTN315	8
STTN111	Descriptive Statistics		12
STTN115	Descriptive Statistics and Inference		12
STTN122	Introductory Statistics		12
STTN124	Practical Statistics		12
STTN125	Introductory Probability Theory	STTN115 & WISN111	12
STTN215	Probability and SamplingTheory	WISN121 & STTN125	16
STTN225	Statistical Inference and Data Analysis	STTN215	16
STTN315	Statistical Inference and time series analysis	STTN215 & STTN225	32
TAXC211	Introduction to Income Tax of Companies and Vat	ACCC111,121	12
TAXC221	Introduction to Income Tax of Individuals and Estate Administration	TAXC211 (40%)	12
TAXC371	Tax Applications	ACCC271 & TAXC221 (40%)	32
TAXF211	Introduction to Income Tax of Companies	ACCF111, 121 or ACCC111 &121	12
TAXF221	Introduction to Income Tax of Individuals	TAXC211 (40%)	12
TAXF311	Taxation of individuals and businesses	TAXF221 or TAXC221 & ACCF211,221 or ACCC271	16
TAXF321	Company taxes , Trusts and other	TAXF311 (40%) or TAXC371 (40%)	16
TGWN223	Numerical Analysis	WISN121	8
WISN111	Introductory Algebra and Analysis I	Mathematics Grade 12 level 5 (60-69%)	12
WISN112	Mathematical Techniques	Mathematics level 4 (50-59%)	12
WISN113	Basic Mathematical Techniques	Mathematics level 4	12

Module code	Descriptive name	Prerequisites	Credits
		(50-59%)	
WISN121	Introductory Algebra and Analysis II	WISN111	12
WISN123	Mathematical Techniques	Mathematics Grade 12 level 4 (50-59%)	12
WISN211	Analysis III	WISN121	8
WISN212	Linear Algebra I	WISN121	8
WISN224	Analysis IV	WISN211	8
WISN226	Linear Algebra II	WISN212	8
WISN223	Discrete Mathematics	WISN111 or WISN113	8
WISN313	Complex Analysis	WISN224 (WISN221 for pipeline students)	16
WISN323	Real Analysis	WISN224 (WISN221 for pipeline students)	16
WISS111	Introduction to Mathematics I	Mathematics level 3 (40-49%)	12
WISS112	Foundation Mathematics I	Grade 12 Mathematics level 3 (40-49%) or Mathematical Literacy (70%)	12
WISS113	Introduction to Mathematical Techniques I	Mathematics level 3 (40-49%)	12
WISS121	Introduction to Mathematics II	WISS111	12
WISS122	Foundation Mathematics II	WISS112	12
WISA123	Introduction to Mathematical Techniques II	WISS113	12
WVES221	Understanding the Economic World		12
WVES311	Applied Ethics		12
WVGW221	Know and Understand the World of Health		12
WVNS211	Understanding the Natural Word		12
WVNS221	Science and Society		12
WVES221	Understanding the Economic World		12
WVES311	Applied Ethics		12