

**FACULTIES OF THE
UNIVERSITY OF PRETORIA**

HUMANITIES
NATURAL AND AGRICULTURAL SCIENCES
LAW
THEOLOGY
ECONOMIC AND MANAGEMENT SCIENCES
VETERINARY SCIENCE
EDUCATION
HEALTH SCIENCES
ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

TABLE OF CONTENTS

ACADEMIC PERSONNEL	1
GENERAL INFORMATION	9
Admission	9
Selection	9
Statement of symbols	9
National Senior Certificate	9
Language of tuition	9
Bursaries and loans	10
Accommodation	10
Welcoming day, registration and start of the academic year	10
Prescribed books	10
Amendment of regulations and fees	10
Plagiarism	10
Definition of terms	11
REGULATIONS.....	13
Admission to undergraduate study	13
Requirements for specific modules.....	16
Academic literacy	16
Registration for a particular year of study	16
Concurrent registration for two fields of study.....	17
Minimum study periods and requirements for bachelor's degrees.....	17
Requirements for promotion	17
Credits for unregistered students.....	18
Examinations	18
Major subject.....	20
Degree conferred with distinction	20
DEGREES AND DIPLOMAS CONFERRED/AWARDED IN THE FACULTY.....	21
BACHELOR'S DEGREES.....	22
Regulations applicable to all bachelor's degrees	22
Prerequisites for modules.....	23
BCom	35
BAdmin.....	63
Transitional arrangements	67
OTHER REGISTRATIONS	68
LIST OF MODULES	69

**FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES
PERSONNEL AS AT 31 AUGUST 2013**

Dean

Loots, E., BCom(Free State) BCom(Hons) MCom DCom(Johannesburg)

Deputy Dean: Research

Nkomo, S., BS Bus.Ed(Bryant College) MBA(Rhode Island) PhD(Massachusetts)

Deputy Dean: Teaching and Learning

Schoeman, N.J., MA(Econ) DCom(Econ)(Pretoria) THED(Acting)

Department of Accounting

Myburgh, J.E., BCom(Hons)(Acc) HNOD MCom(Acc) Associate Professor
 DCom(Pretoria) (Acting Head)
 De Villiers, C.J., BAcc(Hons) MBA(Stellenbosch) DCom(Pretoria)
 CA(NZ) CPA Extraordinary Professor
 Van Staden, C.J., BCom(Hons)(Acc)(Pretoria)
 MCom(Acc)(Stellenbosch) DCom(Pretoria) Extraordinary Professor
 Coetzee, S.A., BCompt(Hons)(Unisa) MCom(Tax)(Pretoria)
 CA(SA) Associate Professor
 Oberholster, J.G.I., BCompt(Free State) BCompt(Hons)(Unisa) Associate Professor
 MCom(RAU) CA(SA) (CA Programme Manager)
 Badenhorst, W.M., BCom(Hons)(Acc) MCom(Acc)(Pretoria)
 CA(SA) Senior Lecturer
 Bezuidenhout, J.J., BCom(Hons)(Acc)(Pretoria) CA(SA) Senior Lecturer
 De Klerk, M.C., BCom(Marketing Man)(Pretoria)
 BCompt(Hons)(Unisa) MCom(Acc)(Pretoria) CA(SA) Senior Lecturer
 Ferreira, P.H., BCom(Hons)(Acc) MCom(Tax)
 MCom(Acc)(Pretoria) CA(SA) Senior Lecturer
 Gerber, M.C., BA BD MDiv(Pretoria) CTA(Unisa) CA(SA) Senior Lecturer
 Janse van Rensburg, E.C., BCom(Hons)(Acc)(Pretoria) CA(SA) Senior Lecturer
 Joubert, J., BCom(Hons)(Acc) MCom(Tax)(Pretoria) CA(SA) Senior Lecturer
 Kotze, L., BCompt(Hons)(Unisa) MCom(Acc)(Pretoria) CA(SA) Senior Lecturer
 Leith, K.B., BAcc(Natal) CA(SA) Senior Lecturer
 Madgwick, C., BCom(Hons)(Acc) MCom(Tax)(Pretoria) CA(SA) CIA... Senior Lecturer
 Pollock, M., BCom(Hons)(Acc)(Pretoria) CA(SA) Senior Lecturer
 Pretorius, D., BCom(Acc)(Pretoria) BCompt(Hons)(Unisa)
 MCom(Acc)(Pretoria) CA(SA) Senior Lecturer
 Pududu, M.L., BCom(Hons)(Acc)(Unisa) CA(SA) Senior Lecturer
 Schmulian, A., BCom(Hons)(Acc)(Unisa)
 MCom(Tax)(Pretoria) CA(SA) Senior Lecturer
 Smit, A., BCom(Hons)(Acc)(Pretoria) CA(SA) Senior Lecturer
 Smith, S.E., BCom(Hons)(Acc) GDA(Cape Town) CA(SA) Senior Lecturer
 Tomes, T., BCom(Hons)(Acc)(Pretoria) CA(SA)
 Verster, H.C., BCom(Hons)(Acc) MCom(Tax)(Pretoria) CA(SA) Senior Lecturer
 Von Well, R., BCom(Hons)(Acc)(Pretoria) CA(SA) Senior Lecturer
 Bezuidenhout, S.C., BCom(Hons) MCom(FBS)(Pretoria) Lecturer
 Cloete, M., BCom(Hons)(Acc)(Potchefstroom) CTA(Unisa)
 PGCHE(Pretoria) Lecturer
 Goodey, J.S., BCom(Hons)(Acc)(Unisa) THED Lecturer

Joynt, C., BCom(Law) MPhil(Enp)(Pretoria)	Lecturer
Nortjé-Rossouw, D.A., BCom(Hons) MCom(FBS)(Pretoria)	Lecturer
Van Eck, L., BCom(Hons)(FBS)(Pretoria)	Lecturer
Van Pletsen, L.M., BCom UED(Potchefstroom)	Lecturer
Venter, L.M., BCom(Potchefstroom) UED(Unisa).....	Lecturer

Department of Auditing

Barac, K., BCom(Hons)Acc MCom(Tax)(Pretoria) DCompt(Unisa) CA(SA)	Professor (Head)
De Jager, H., BEd(Pretoria) MEd(Potchefstroom) MCom DCom(Acc)(Pretoria) RGA RA CA(SA)	Professor
Summers, G.E., DBA CIA CFE CPA	Honorary Professor
Coetzee, G.P., BCom(Hons)(Acc) MCom(Pretoria) DPhil(Free State) CIA	Associate Professor
Beukes, B., BCom(Hons)(Acc)(Potchefstroom) PGCHE(Pretoria) CA(SA)	Senior Lecturer
Bezuidenhout, H.C., BCom(Law)(Pretoria) LLM(Unisa).....	Senior Lecturer
Coetzee, C., BCom(Hons)(Acc)(Pretoria) CA(SA).....	Senior Lecturer
Du Bruyn, R., BCom(Hons)(Acc) MCom(Pretoria) MSc(Texas) CIA	Senior Lecturer
Fouché, K.B., BCom(Hons)(Acc)(Pretoria) CA(SA)	Senior Lecturer
Kirstein, M., BCompt(Hons)(Unisa) PGCHE(Pretoria) CA(SA)	Senior Lecturer
Kritzinger, J.A., BCompt(Hons)(Unisa) CA(SA)	Senior Lecturer
Kunz, C.C., BCompt(Hons)(Unisa) PGCHE(Pretoria) CA(SA).....	Senior Lecturer
Plant, K., BCom(Hons)(Acc) MPhil(Pretoria) CIA	Senior Lecturer
Reilly, Y., BCompt(Hons)(Unisa) MCom(Aud)(Unisa) CIA	Senior Lecturer
Seligmann, J., BBusSc MBusSc PGDip(Tax)(Cape Town) CA(SA).....	Senior Lecturer
Steyn, C., BCom(Hons)(Acc)(Pretoria) CA(SA).....	Senior Lecturer
Janse van Rensburg, J.O., BCom(Hons)(IAUD)(Pretoria) CIA CCSA	Lecturer
Wilkinson, N., BCom(Hons)(IAUD)(Pretoria) CIA CCSA.....	Lecturer

Department of Business Management

Grobler, A.F., BA(Hons) MA PhD(Free State)	Professor (Head)
Heath, E.T., BCom(Hons)(Stellenbosch) MCom(Fort Hare) DCom(Port Elizabeth) FTS FIMM	Professor
Janse van Vuuren, J.J., BCom MBA DBA(Pretoria)	Professor
Nieman, G.H., BCom MBA(Pretoria) PhD(Vista)	Professor
Pretorius, M., BSc(Agric)(Pretoria) BSc(Agric)(Hons) MSc(Agric)(University of the North) MBL(Unisa) DTech(Technikon Pretoria)	Professor
Antonites, A., BCom(Hons) MCom DCom(Pretoria)	Senior Lecturer
Botha, M., BCom MPhil DCom(Pretoria)	Senior Lecturer
Le Roux, I., BA HOD BEd ETD(Hons) MPhil(Ent) PhD(Pretoria).....	Senior Lecturer
Vögel, A.J., BCom(RAU) BCom(Hons) MCom DCom(Pretoria).....	Senior Lecturer
Eresia-Eke, C.E., BEng(Hons) PGD MBA(Port Harcourt) PhD	Lecturer
Fraser, J.F.E., BCom(Hons)(Witwatersrand) MCom(Pretoria)	Lecturer
Lemmer, H.R., MCom(Transport Econ)(Johannesburg)	Lecturer
Mathibe, M.S., BCom(HR) BComHons(Marketing) MCom(Free State)	Lecturer
Moos, M.N., BCom(Hons) MCom(Western Cape)	Lecturer
Niemann, W., BCom(Hons) MCom(Pretoria).....	Lecturer
Strydom, M.S., BA HED(Free State) BA(Hons) MBA(Stellenbosch)	Lecturer

Van Amerom, W.P.C., BCom(Hons) MCom(Free State)Lecturer
 Van der Merwe, B.J., BA(Hons)(Stellenbosch) MPhil(Pretoria)Lecturer

Division Communication Management

Rensburg, R.S., BA(Hons) MA(RAU) DLitt et Phil(Unisa).....Professor
 (Programme
 coordinator)
 Van der Walt, L., BA(Hons) MA(RAU) DLitt et Phil(Unisa).....Senior Lecturer
 De Beer, E., BA(Hons)(RAU) MA(Pretoria)Lecturer
 Du Plessis, N.M., BCom(Hons) MCom(Pretoria)Lecturer
 Leonard, A., BCom(Hons)(Free State) MPhil(Pretoria).....Lecturer

Department of Economics

Koch, S.F., BA(Econ)(Oregon State) MA PhD(Pennsylvania State)Professor (Head)
 Salvatore, D., MA PhD(City Univ New York)Honorary Professor
 Bahl, R.W., BA(Illinois) MA PhD(Kentucky)Extraordinary Professor
 Crossen, S., MA(Erasmus) PhD(Leiden)Extraordinary Professor
 Hall, S.G.F., MSc(LSE) PhD(Queen Mary College)Extraordinary Professor
 Blignaut, J.N., MCom(Free State) MSc DCom(Pretoria).....Professor
 Franzsen, R.C.D., BLC LLB(Pretoria) LLD(Stellenbosch).....Professor
 Gupta, R., BSc(Econ)(Calcutta) PhD(Connecticut).....Professor
 Jordaan, A.C., BA(Hons) HED MPhil MCom DCom(Pretoria).....Professor
 Van Heerden, J.H., BCom(Hons) MCom(RAU) MA(WIU)
 MA PhD(Rice University, Texas) HED(Unisa)Professor
 Viegi, N., BCom(Pisa) MSc(Glasgow) PhD(Strathclyde).Professor
 Zimper, A., MCom PhD(Germany)Professor
 Bittencourt, M., BSc(Econ)(PUC, Brazil) MSc PhD(Bristol)Associate Professor
 Breitenbach, M., BCom(Econ)(Pretoria) PhD(Vista)Associate Professor
 Naraidoo, R.D., BSc(Econ)(Mauritius) MSc
 PhD(Cardiff Business School).....Associate Professor
 Van Eyden, R., BSc(Hons) MBA DCom(Pretoria)Associate Professor
 Bohlmann, H., MCom(Pretoria) PhD(Australia)Senior Lecturer
 Clance, M.W., BS(Econ)(GC&SU) MA PhD(Clemson)Senior Lecturer
 Inglesi-Lotz, R., BCom(Hons) MCom PhD(Pretoria).....Senior Lecturer
 Kibambe Ngoie, J., BCom(Econ)(DRC) MCom PhD(Pretoria).....Senior Lecturer
 Monkam, N.F. BS MA(Namur) PhD(Georgia)Senior Lecturer
 Scholtz, F.J., BCom(Hons) LLB MCom(Pretoria)Senior Lecturer
 Seymore, R., BCom(Hons) MCom DCom(Pretoria).....Senior Lecturer
 De Waal, A., BCom(Hons) MCom(Pretoria)Lecturer
 Janse van Rensburg, J.J., BCom(Hons) MCom(Pretoria)Lecturer
 Kilambo, S.R., BA(Econ & Political Science)(Botswana)
 MA(Stellenbosch)Lecturer
 Tshiswaka-Kashalala, G., LSc(Econ)(Mbuji mayi) MPhil(Pretoria).....Lecturer

Department of Financial Management

Van Schalkwyk, C.H., BCom(Hons)(BLB) MCom(RAU)Associate Professor
 PhD(Johannesburg) CFA.....(Head)
 Gouws, D.G., DCom(Potchefstroom)Professor
 Lambrechts, H.A., MCom(Stellenbosch) PUB MBA(Ghent)
 DBA(Pretoria)Professor
 De Wet, J.H. van H., BAcc(Hons) MBA(Stellenbosch)
 DCom(Pretoria) CA(SA).....Associate Professor

Hall, J.H., BCom(Hons)(Port Elizabeth) MBA DBA(Pretoria)	Associate Professor
Vermaak, F.N.S., BCom(Hons) MCom DCom(Potchefstroom)	
THED.....	Associate Professor
Wolmarans, H.P., BCom(Hons)(Unisa) BSc(Hons) MSc MBA	
DBA(Pretoria) Pr Sci Nat	Associate Professor
Blom, F., BCom(Hons)(Acc)(Johannesburg) CA(SA)	Senior Lecturer
Coetzee, S.P., BCom(Hons)(Acc)(Pretoria) CA(SA) ACMA(UK)	Senior Lecturer
De Hart, F.J., BCompt(Free State) BCompt(Hons)(Unisa) CA(SA).....	Senior Lecturer
Enslin, Z., BCom(Hons)(Acc)(Pretoria) MCom(Stellenbosch)	
CA(SA)	Senior Lecturer
Klopper, J.E., BCom(Hons)(Acc)(Pretoria) CA(SA)	Senior Lecturer
Louw, E., BCom(Hons) MCom(Pretoria) CFA	Senior Lecturer
Louw, E., BCom(Hons)(Potchefstroom) CA(SA)	Senior Lecturer
Mareidi, M., BCom(Hons)(Acc)(Johannesburg) CA(SA).....	Senior Lecturer
Maree, A. BCom(Hons)(Acc) MCom(Acc)(Pretoria) CA(SA).....	Senior Lecturer
Plant, G.J., BCom(Hons)(Acc)(Pretoria) CA(SA) ACMA.....	Senior Lecturer
Reyers, M., BCom(Law) BCom(Hons)(FBS)	
MCom(FBS)(Pretoria) CFA.....	Senior Lecturer
Schutte, G., BCom(Hons)(Acc) MCom(Tax)(Pretoria) CA(SA)	Senior Lecturer
Viljoen, M.A., BCom(Hons)(Unisa) MCom(Potchefstroom)	
HED(Pretoria)	Senior Lecturer
Visagie, J., BCom(Hons)(Acc)(Pretoria) CA(SA)	Senior Lecturer
Du Toit, E., BCom(INF) BCom(Hons)(FBS) MCom(FBS) DCom	
Post Grad Dip(IFA)(Pretoria).....	Lecturer
Mabalane, M.D., BCom(Hons)(FBS)(Pretoria)	Junior Lecturer

Department of Human Resource Management

Stanz, K.J., BMil(Hons)(Stellenbosch) MA(RAU)	
DPhil(Johannesburg) RPP.....	Professor (Head)
De Beer, J.J., MA DPhil(Pretoria) RPP	Emeritus Professor
Vermeulen, L.P., MA DPhil(Pretoria) RPP.....	Emeritus Professor
Bartram, D., DPhil(Sussex) CPsychol CSci FBPsS	Extraordinary Professor
Zinn, C.A., BEd(Hons)(Unisa) MEd(Western Cape)	
EdM EdD(Harvard) HED(Western Cape)	Extraordinary Professor
Brand, H.E., MA DPhil(Pretoria) RPP.....	Professor
Nkomo, S., BS Bus.Ed(Bryant College) MBA(Rhode Island)	
PhD(Massachusetts)	Professor
Schaap, P., BCom(Hons) MCom DCom(Pretoria)	
Dip in Food Technology(Technikon Pretoria)	Associate Professor
Carrim, N.M.H., BCom(Hons) MCom PhD(Pretoria).....	Senior Lecturer
Meiring, D., BA(Hons)(North-West) MA(Unisa) PhD(Tilburg).....	Senior Lecturer
Olckers, C., BCom(Hons) MCom PhD(Pretoria).....	Senior Lecturer
Smit, P.A., BA(Hons) MA(North-West) PhD(KwaZulu-Natal)	
PhD(Pretoria)	Senior Lecturer
Strasheim, C., BSc(Hons)(Pretoria) MSc(Unisa) MBA	
PhD(Witwatersrand)	Senior Lecturer
O'Neil, S.M., MA(Pretoria).....	Lecturer
Themba, M.A., BMil(Hons)(Stellenbosch) MA(Unisa).....	Lecturer
Pillay, P., BCom(Hons)(Pretoria).....	Junior Lecturer

Department of Marketing Management

Jordaan, Y., BCom(Hons) MCom DCom(Pretoria)	Professor (Head)
Mohale, B., IMM CM(SA)	Honorary Professor
Pretorius, B., MCom(Free State).....	Honorary Professor
Ewing, M., MCom DCom(Pretoria).....	Extraordinary Professor
Pitt, L., MBA DCom(Pretoria)	Extraordinary Professor
Schreuder, A.N., MCom(Pretoria) DCom(RAU).....	Extraordinary Professor
Mostert, P.G., BCom(Hons) MCom DCom(Pretoria)	Professor
Kotze, T.G., BA BCom(Hons) MCom(Pretoria).....	Senior Lecturer
Maree, T., BCom(Hons)(Unisa) MCom(Unisa) DCom(Pretoria)	Senior Lecturer
Van Heerden, G.M., BCom(Hons) (MCom)(Pretoria) PhD(Lulea Univ of Technology, Sweden).....	Senior Lecturer
Wiese, M., MTech(TUT) PhD(Pretoria)	Senior Lecturer
Potgieter, D., BCom(Hons) MCom(Pretoria)	Lecturer
Van der Merwe, M.C., BCom(Hons)(Pretoria) MCom(Unisa).....	Lecturer
Mashaba, N., BBus Sc(Cape Town).....	Junior Lecturer
Samuals, J., BCom(Hons).....	Junior Lecturer

Division Tourism Management

Lubbe, B.A., BCom(RAU) BCom(Hons) MCom(Unisa)	Professor DCom(Pretoria)
	(Programme Coordinator)
Douglas, A., BCom(Hons) MCom DCom(Pretoria) PGCE(Unisa).....	Senior Lecturer
Fairer-Wessels, F.A., BBibI(Hons)(Pretoria) MPhil(Wales) DPhil(Pretoria).....	Senior Lecturer
Kruger, E.A., BCom(Hons) MCom PGCE(Pretoria)	Lecturer

Department of Taxation

Stiglingh, M., BCom(Hons) MCom(Tax)(Potchefstroom) DCom(Pretoria) CA(SA).....	Professor (Head)
Evans, C., BSc (Hons)(London) MA (Leicester) PGCE (Leeds) PhD(UNSW)	Extraordinary Professor
Holland, K.M., BA(Hons)(Acc)(Wales) ACA(ICAEW).....	Extraordinary Professor
Stack, E.L., BCompt MCompt DCompt(Unisa) CA(SA)	Extraordinary Professor
Surtees, P.G., MCom(Rhodes) CA(SA).....	Extraordinary Professor
Steyn, T., BCom(Hons) MCom(Tax) PhD(Pretoria) CA(SA)	Associate Professor
Venter, E.R., BCom(Hons)(Acc) MCom(Tax)(Pretoria) PhD(Auckland, New Zealand) CA(SA)	Associate Professor
Bronkhorst, E., BCom(Hons) MCom(Tax)(Pretoria) CA(SA).....	Senior Lecturer
Buitenweg, A.H., BCom(Hons)(Acc) MCom(Tax)(Pretoria) CA(SA).....	Senior Lecturer
Coetzee, E.S.M., BCom(Hons) HDip(Tax)(Unisa) MCom(Tax)(Pretoria) CA(SA)	Senior Lecturer
Dos Santos, T., BCom(Hons) MCom(Tax) CA(SA)	Senior Lecturer
Du Preez, H., BCompt(Hons)(Unisa) MCom(Tax)(Pretoria) CA(SA).....	Senior Lecturer
Hill, T., BCom(Hons)(Pretoria) CA(SA).....	Senior Lecturer
Janse van Rensburg, W., BCom(Law)(Stellenbosch) BCom(Hons) MCom(Tax)(Pretoria) CA(SA)	Senior Lecturer
Nienaber, S.G., BCom(Hons) MCom(Tax) PhD(Pretoria) CA(SA).....	Senior Lecturer
Oosthuizen, R., BCom(Hons)(Potchefstroom) MCom(Tax)(Pretoria) CA(SA)	Senior Lecturer
Pienaar, S., BCom(Hons) MCom(Tax)(Pretoria) CA(SA).....	Senior Lecturer
Smit, A., BCom(Hons)(Acc) MCom(Acc)(Pretoria) CA(SA)	Senior Lecturer

Stark, K., BCom(Hons) MCom(Tax)(Pretoria) CA(SA) Senior Lecturer
 Van Oordt, T., BCom(Hons) MCom(Pretoria) CA(SA) Junior Lecturer
 Venter, J., BComHons(Tax)(Pretoria) Junior Lecturer

SCHOOL OF PUBLIC MANAGEMENT AND ADMINISTRATION

Kuye, J.O., BA(Manitoba) MPA(Winnipeg) Director/
 PhD(Manitoba) Professor (Head)
 Thornhill, C., BA(Hons) MA DPhil(Pretoria) Professor Emeritus
 Bouare, O., BA(Abidjan) MA(Caen) PhD(Paris)
 PhD(New York School of Social Research) Extraordinary Professor
 Fisher, H. BA(Hons)(History) MPA HED(Western Cape)
 BA(Hons)(International Politics)(Unisa) PhD(Pretoria) Extraordinary Professor
 Gelase, M., PhD(California) Extraordinary Professor
 Genge, M., PhD(Michigan State) Extraordinary Professor
 Levin, R.M., PhD(Liverpool) Extraordinary Professor
 Saloojee, A., BA MA PhD(Toronto) Extraordinary Professor
 Fourie, D.J., BA(Hons) MA DPhil(Pretoria) Professor
 Holtzhausen, N., BA(Political Science) BA(Hons)(PAD)
 MA(PAD)(Pretoria) D Litt et Phil(Unisa) PGCHE(Pretoria) Associate Professor
 Malan, L.P., BAdmin MAdmin DAdmin(Pretoria) Associate Professor
 Koma, S., BA(Hons) MPA(Limpopo) Lecturer
 Kruger, M., BAdmin(Hons) MAdmin(Pretoria) Lecturer
 Luthuli, T.B., NG Dip Master in Management(Witwatersrand)
 PhD(Pretoria) Lecturer
 Madumo, O.S., BAdmin(Hons)(Pretoria) Lecturer
 Mthethwa, R.M., BA(Hons) MPA(Manchester) Lecturer
 Nhede, N.T., BA(English & Communication Studies)
 BSc(Hons)(Politics & Administration) MPA(Zimbabwe) Lecturer
 Nkwana, H.M., BAdmin(Hons)(Pretoria) Lecturer
 Sokhela, P.M., BAdmin(Fort Hare) Certificate in Labour Relations
 SBL(Unisa) MPA PhD(Pretoria) Lecturer
 Tshiyoyo, M.M., BCom(Hons)(Kinshasha) MPA PhD(Pretoria) Lecturer

**DEPARTMENTS IN OTHER FACULTIES/SCHOOLS THAT CONTRIBUTE TO TUITION
 IN THE FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES**

Department of Agricultural Economics, Extension and Rural Development

Kirsten, J.F., BSc(Agric)(Hons)(Stellenbosch) MSc(Agric)
 PhD(Pretoria) Professor (Head)

Department of Biokinetics, Sport and Leisure Sciences

Hagemann, F.R., BA(Hons) MA PhD(Natal) Professor (Head)
 (Acting)

Department of Informatics

Van der Merwe, A.J., BSc(RAU) MSc(Potchefstroom) PhD(Unisa) Associate Professor
 (Head)
 De Villiers, C., BSc(Potchefstroom) BSc(Hons) DCom(Pretoria)
 MEd DTE HED(Unisa) Professor
 Bidwell, N., BSc(Hons) MIT(Queensland) PhD(London) Associate Professor
 Kruger, C.J., NHD(Technikon Pretoria) MBA MIT PhD(Pretoria) Associate Professor
 Leonard, A.C., BSc(Hons)(Potchefstroom) MSc(Unisa)
 DCom(Pretoria) Associate Professor

Jordaan, M. BPrimEdBA(Hons) MA DPhil(Pretoria) HED(SACTE) MDS(Free State).....	Senior Lecturer
Matthee, M.C., BSc(Hons) MSc DCom(Pretoria) HED	Senior Lecturer
Naidoo, T.R., BCom(Natal) BCom(Hons)(Unisa) PGDip(Marketing)(IMM) BCom(Hons) MCom(Witwatersrand) PhD(Pretoria).....	Senior Lecturer
Ochara, N.M., BCom(Hons) MBA(Nairobi) PhD(Cape Town)	Senior Lecturer
Twinomurinzi, H., BSc(Hons)(Math) MIT PhD(Pretoria).....	Senior Lecturer
Van Loggerenberg, J.J., BSc MBA(Potchefstroom).....	Senior Lecturer
DCom(Pretoria)	(Gijima chair)
Weilbach, E.H. BCom(Hons) MCom(Pretoria) HED	Senior Lecturer
Joubert, P., BIT MPhil(Pretoria)	Lecturer
Mawela, T. BCom (Pretoria) HDipComAud MBA(Witwatersrand)	Lecturer
Pretorius, H.W., BSc(Hons) PGCHE MIT(Pretoria)	Lecturer
Pretorius, J., BA(Ed) BA(Hons) MPhil(Pretoria).....	Lecturer
Steyn, A.A., BCom(Hons) MCom(Pretoria)	Lecturer
Van Deventer, J.P., BA SocSci(Hons)(Psych) BA(Hons)(Information Science) MIS(Pretoria).....	Lecturer

Department of Mercantile Law

Van Eck, B.P.S., BLC LLB LLD(Pretoria)	Professor (Head)
--	------------------

Department of Political Sciences

Schoeman, M.M.E., BA(Hons) MA(Pol Sc)(RAU) Phd(Wales)	Professor (Head)
---	------------------

Department of Statistics

Bekker, A., MSc(Johannesburg) PhD(Unisa)	Associate Professor (Head)
Chakroborti, S., PhD(State Univ of New York)	Professor (SARchi chair holder)
Crafford, G., MSc PhD(Pretoria)	Senior Lecturer
Debushe, L.K., MSc(Addis Ababa) PhD(KwaZulu-Natal).....	Senior Lecturer
Ehlers, R., MSc PhD(Pretoria)	Senior Lecturer
Fletcher, L., MSc PhD(Unisa).....	Senior Lecturer
Kanfer, F.H.J., MSc PhD(Potchefstroom).....	Senior Lecturer
Louw, E.M., MSc PhD(Pretoria)	Senior Lecturer
Millard, S.M., MCom(Pretoria).....	Senior Lecturer
Strydom, H.F., MSc(Unisa) HED PhD(Pretoria)	Senior Lecturer
Swanepoel, A., MSc(Port Elizabeth)	Senior Lecturer
Adamski, K., BSc(Hons) MSc(Pretoria).....	Lecturer
Basson, E.M., BSc(Hons) MSc(Pretoria).....	Lecturer
Bodenstein, L.E., BCom(Hons) MCom(Pretoria)	Lecturer
Coetsee, J., BCom(Hons) MCom(Pretoria)	Lecturer
Corbett, A.D., BCom BSc(Hons)(Pretoria).....	Lecturer
Fabris-Rotelli, I.N., MSc PhD(Pretoria).....	Lecturer
Graham, M.A., MSc PhD(Pretoria).....	Lecturer
Loots, M.T., BSc(Hons) MSc(Pretoria)	Lecturer
Reyneke, F., BSc(Hons) MSc(Pretoria).....	Lecturer
Van Niekerk, J. BSc(Hons) MSc(Pretoria).....	Lecturer
Van Staden, P.J., BCom(Hons) MCom(Pretoria).....	Lecturer

African Centre for Inclusive Banking

Coetzee, G.K., BSc(Agric)(Hons) MSc(Agric)(Stellenbosch) Extraordinary Professor
PhD(Agric)(Pretoria) and Director

Albert Luthuli Centre for Responsible Leadership

De Jongh, D., BCom(Hons) MCom DCom(Pretoria)..... Associate Professor
and Director

Conradie, P.D.G., BCompt(Hons)(Unisa) CA(SA) Senior Lecturer

Mamelodi Business Clinic

Van der Spuy, J., MPhil(Enp)(Pretoria) Director

Office of the Dean

Fick, R., BA(Hons)(Johannesburg) MA(Pretoria)..... Student Counsellor

Student Administration

Malaza Y..... Head: Student Administration

I. GENERAL INFORMATION

The information in this publication

Note: Due to the continuous restructuring of the Faculty and the accompanying phased-in introduction of modules and credits, some of the information in this publication may not fully reflect the most recent developments in the Faculty. Problems that are experienced as a result of this situation may be taken up with Student Administration.

Admission

Any person who wishes to register at the University for the first time, or after an interruption of studies, should apply or reapply for admission. Applications open on **1 March** of the year preceding the year of study and closes on **30 September**.

Due to constraints on the University's facilities, there is a limit to student enrolments in all programmes. Meeting the minimum requirements of a programme, specified in the brochure, may therefore not be sufficient to ensure admission. Prospective students are therefore encouraged to apply in good time.

Selection

A selection procedure takes place prior to admission to some of the degree programmes in this Faculty. Formal selection takes place for the BAdmin [Option: Public Administration], where work experience is a prerequisite.

Undergraduate programmes:

The basic module unit of the Faculty has a duration of 14 weeks. Candidates for the BCom and BAdmin degrees who have not passed at least four core modules at the end of an academic year, should apply for readmission to the degree programme. (Also consult General Regulation G. 3.2)

Postgraduate programmes:

Consult the Postgraduate yearbook of the Faculty of Economic and Management Sciences.

General

The Dean has the right of authorisation regarding matters not provided for in the General Regulations or in the Faculty regulations.

Statement of symbols

When registering at this University for the first time, an undergraduate candidate has to submit a record of symbols obtained for each subject in the National Senior Certificate/Grade 12 examination.

National Senior Certificate

All undergraduate candidates who enrol at the University of Pretoria for the first time, must show their original National Senior Certificate or certificate of complete exemption from the Matriculation Board, HESA at the Student Administration office of the faculty before the end of the first semester.

Language of tuition

In conducting its general business, the University uses two official languages, namely Afrikaans and English. In formal education, the language of tuition is either Afrikaans or

English or both languages, taking the demand as well as academic justification and economic viability into consideration. However, it remains the student's responsibility to determine in which language a module and any further level of that module is presented. This information is published annually in the Timetable. The University reserves the right to change the language of tuition on short notice, depending on the size of the groups and the availability of lecturers. In respect of administrative and other services, a student may choose whether the University should communicate with him or her in Afrikaans or English.

Bursaries and loans

Particulars of bursaries and loans are available on request (www.up.ac.za/fao).

Accommodation

Applications for accommodation in university residences for a particular year may be submitted as from March 1 of the preceding year. Applications will be considered as long as vacancies exist, and prospective students are advised to apply well in advance. Please note that admission to the University does not automatically mean that lodging will also be available.

Welcoming day, registration and start of the academic year

Details of the welcoming day to which all parents are cordially invited, and the subsequent programme for registration and start of the academic year during which all new first-year students **must** be present, are obtainable from the office of the Dean of Students.

Prescribed books

Lists of prescribed books are not available in advance. The appropriate lecturers will supply information regarding prescribed books to students at the commencement of lectures.

Amendment of regulations and fees

The University retains the right to amend the regulations and to change tuition fees without prior notification. Please note: The fees advertised and thus levied in respect of a module or study programme presentation represents a combination of the costs associated with the formal services rendered (for example lectures, practicals, access to laboratories, consumables used in laboratories, etc) as well as associated indirect overheads such as the provision of library and recreation facilities, security and cleaning services, electricity and water supply, etc. Therefore the fees in respect of a module or study programme presentation cannot simply be reconciled with the visible services that are rendered in respect of such module or study programme.

Plagiarism

Plagiarism is when you present someone else's ideas – published or unpublished – as if they were your own. Other people's ideas may be contained in written text (journal articles, textbooks, etc), visual text (graphics, photographs, etc), multimedia products (web sites, media productions, etc), music (compositions, lyrics, etc), and spoken text (speeches, lectures, etc). Plagiarism is a serious offence and a student could be charged with misconduct which could lead to suspension from the University. For further information on plagiarism visit the following web site: www.ais.up.ac.za/plagiarism/index.htm

Definition of terms

Familiarise yourself with the following terms. They are used generally in all faculties.

academic year: the duration of the academic year which is determined by the University Council.

admission requirements: a regulation compiled by the Dean concerning the admission of students to a specific programme, which includes a provision regarding the selection process.

core module: a module that is essential for a particular programme or package.

credit (or credit value): a value unit (credit) accredited to every module and which represents the complexity of and amount of work needed for the module. **It is the responsibility of the student to ensure that the degree programme complies with the total number of credits required to complete the degree.**

curriculum: a series of modules grouped together from different subjects over a specified period of time and in a certain sequence according to the regulations.

elective module: a module that forms part of a package and which can be selected on an elective basis, with the proviso that enough credits are obtained at the specific year level, as required by the relevant qualification.

examination mark: the mark awarded to a student in a module on the basis of an examination in a paper/papers, including practical and clinical examinations, where applicable.

final mark: the mark calculated on the basis of the module/semester/year mark and the examination mark awarded to a student in a module using a formula which is determined from time to time by means of regulations for every module with the proviso that should no semester/year mark be required in a module, the examination mark serves as the final mark.

fundamental module: a module that serves as an academic basis of the learning activities for a particular programme or package.

grade point average based on module credits (GPA): an average mark that is calculated by multiplying the final mark achieved in a module with the credit value of that module and then dividing the sum of these values by the total of the credit values of all the modules for which a student was enrolled. The result of these calculations is a weighted average based on module credits.

GS: a combined mark (module/semester/year mark plus examination mark) of at least 40% required for admission to a specific prescribed module.

learning hours: the notional number of hours a student should spend to master the learning content of a particular module or programme. The total number of learning hours for a module consists of the time needed for lectures, practicals, self-study and any other activity required by the study programme. Learning hours for modules are calculated on the basis of 40 working hours per week x 28 weeks = 1120 + 80 additional hours for evaluation = 1200. For undergraduate modules, the total number of learning hours per module is calculated using the formula: number of credits (per module) x 10.

level of a module: the academic level of a module which is indicated in the module code.

module: an independent, defined learning unit and to which a module code and credits are allocated. A module may stretch over 7, 14 or 28 weeks.

module code: consists of an equal number of capital letters and digits, which indicate the name of the module, the year of study, the period of study and the level of the module, e.g. EKN 110 for Economics. The first digit indicates the year of study in which the module is generally taken or the academic year in which it is presented for the first time, namely 1 = 100 level, 2 = 200 level, 3 = 300 level, etc. When the first digit is 7, it indicates the honours level, while 8 indicates master's level and 9 the doctoral level.

module/semester/year mark: the mark awarded to a student on the basis of tests, classwork, practical work or any other work which was completed in a module.
option: a specific focus area within an existing degree programme.
package: a group of modules which are connected and share a particular focus and which are taken by students as an area of specialisation within a degree programme.
package coordinator: the individual responsible for organising, compiling and arranging the teaching of and guidance with a particular package.
programme manager: the individual responsible for the overhead management, organisation and composition of a particular programme, together with the packages that make up the programme.
registration: the process a candidate is required to complete to be admitted as a student of the University or for admission to a programme.
semester module: a module that extends over one semester (14 weeks).
subject: a demarcated field of study of which one module or more may be chosen for a degree.
syllabus: the division of the study material for a specific module, according to the regulations.
year module: a module that extends over one year (two semesters; 28 weeks).

The basic module unit of the Faculty has a duration of 14 weeks. Candidates for the BCom and BAdmin degrees who have not passed at least four core modules at the end of an academic year, must apply for readmission to the degree programme.



II. REGULATIONS

The rules for degrees, diplomas and certificates here published are subject to change and can be amended prior to the commencement of the academic year in 2014.

1. Admission to undergraduate study

1.1 General

1.1.1 To register for a first bachelor's degree at the University, a candidate must, in addition to the required National Senior Certificate with admission to degree studies, comply with the specific admission requirements for particular modules and fields of study as prescribed in the admission regulations and the faculty regulations of the departments.

1.1.2 Admission requirements of the Faculty for candidates with a National Senior Certificate with admission to degree studies

To be able to gain access to the Faculty and specific programmes, prospective students require the appropriate combinations of recognised NSC subjects as well as certain levels of achievement in the said subjects. In this regard the determination of an admission point score (APS) is explained and a summary of the specific requirements, ie APS and the specific subjects required is provided. Accounting in Grade 12 is not a prerequisite for admission to any BCom degree programme.

Determination of an Admission Point Score (APS)

The calculation is simple and based on a candidate's achievement in six 20-credit recognised subjects by using the NSC ratings that is the "1 to 7 scale of achievement". Thus, the highest APS that can be achieved is 42.

Life Orientation is excluded from the calculation determining the APS.

Rating code	Rating	Marks %
7	Outstanding achievement	80-100%
6	Meritorious achievement	70-79%
5	Substantial achievement	60-69%
4	Adequate achievement	50-59%
3	Moderate achievement	40-49%
2	Elementary achievement	30-39%
1	Not achieved	0-29%

Provisional admission is offered on the basis of candidates' results in the grade 11 examination. **Provisionally admitted** candidates retain their admission only if they obtain a National Senior Certificate with admission to degree studies and have obtained the minimum subject and level requirements.

The Faculty reserves the right to selection in certain programmes.

Final admission is based on the following:

- National Senior Certificate (NSC) meeting the requirements for admission to degree studies as well as specific degree requirements; **or**

- Results of the institutional proficiency test, together with the National Senior Certificate (NSC) meeting the requirements for admission to degree studies as well as the Faculty specific admission requirements **or**
- Certificate of complete exemption from the Matriculation Board, HESA.

1.1.3 Specific admission requirements for the Faculty

- A valid National Senior Certificate with admission to degree studies.
- The following minimum subject and level requirements:

Admission to undergraduate programmes is considered on the following basis:

To be able to gain access to the Faculty and specific programmes, prospective students require the appropriate combination of recognised NSC subjects as well as certain levels of achievement in said subjects. In this regard the determination of an Admission Point Score (APS) is explained below and a summary of the specific requirements, i.e. the Admissions Point Score (APS) per programme and the specific subjects required, is provided.

There is no selection for the undermentioned degrees. Candidates are placed according to the table below.

All applications will **close** on the **30th of September**.

Programmes	Minimum admission requirements		
	English/Afrikaans	Mathematics	APS
BCom (Accounting Sciences) BCom (Investment Management)	5 (60-69%)	6 (70-79%)	34
BCom (Econometrics)	5 (60-69%)	6 (70-79%)	32
BCom (Financial Sciences) BCom (Law)	5 (60-69%)	5 (60-69%)	32
BCom (Economics) BCom (Statistics)	5 (60-69%)	5 (60-69%)	32
BCom (Agribusiness Management) BCom (Informatics)	5 (60-69%)	5 (60-69%)	30
BCom BCom Option: Supply Chain Management BCom (Business Management) BCom (Communication Management) BCom (Entrepreneurship) BCom (Human Resource Management)	5 (60-69%)	4 (50-59%)	30

Programmes	Minimum admission requirements		
	English/Afrikaans	Mathematics	APS
BCom (Marketing Management) BCom (Recreation and Sport Management) BCom (Tourism Management)	5 (60-69%)	4 (50-59%)	30
BCom (Four-Year Programme)	4 (50-59%)	3 (40-49%)	26
*BAdmin (International Relations) *BAdmin (Public Management)	5 (60-69%)	Mathematics 4 (50-59%) or Mathematics Literacy 4 (50-59%)	28
BAdmin (Public Management) Option: Public Administration	<ul style="list-style-type: none"> National Senior Certificate with admission to degree studies Departmental selection Three years' working experience 		

The Dean reserves the right to place meritorious candidates to improve the diversity profile of students.

*Candidates will not be admitted to a BCom degree via BAdmin degree unless he/she meets the required Mathematics admission requirement for a BCom degree.

The abovementioned table for placement is a guideline only and does not guarantee admission. Study offers are limited by capacity.

NOTE: Accounting is not a specific prerequisite for admission to BCom or BAdmin degrees.

Transferring students from other institutions

The applications of candidates who have previously been registered at another tertiary institution are considered by the Admissions Committee of the Faculty on the basis of their Grade 12 results **and** tertiary academic achievements. An academic record, as well as the final school-leaving results is required for such applications.

NB: Candidates who are still registered at another university must submit an academic record of their studies to the faculty as soon as possible after their final examinations. The closing date for these applications is also **30 September**.

1.1.4 The following persons may also be considered for admission:

- (i) A candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required National Senior Certificate with admission to degree studies.
- (ii) Candidates who matriculated **with university exemption** before the end of 2008 are requested to contact the faculty concerned for admission requirements.

- (iii) A candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution.
- (iv) A candidate who complies with the admission requirements after writing an entrance examination.

Note: A conditional exemption certificate does not grant admission to bachelor's study. However, in certain circumstances some of the faculties do accept a conditional exemption on the basis of mature age. Candidates are advised to contact the specific Student Administration in this regard.

- 1.1.5 The Senate may limit the number of students allowed to register for a degree programme, in which case the Dean concerned may, at his/her own discretion, select from the students who qualify for admission those who may be admitted.

1.2 Requirements for specific modules

A candidate who has

- (a) passed the Grade 12 examination in Mathematics with at least 5 (60-69%) obtains admission to the module COS 110 in Computer Science; **or** has passed COS 153 or COS 131 or COS 132 and WTW 133, obtains admission to the module COS 110 in Computer Science;
- (b) passed the Grade 12 examination in Mathematics with at least 4 (50-59%), will be admitted to WTW 134, WTW 115 and WTW 152 and with at least 5 (60-69%) to WTW 114, WTW 126, WTW 158 and WTW 161 in Mathematics, and to WST 111 in Mathematical statistics. (For the degree programme in Actuarial and Financial Mathematics, 80% in Mathematics is required.)
- (c) obtained at least 5 (60-69%) in Mathematics in the Grade 12 examination, or at least 50% in both Statistics 113, 123 will be admitted to Statistics (STK 110 and STK 120);
- (d) been admitted to the degree BCom (Accounting Sciences), will be admitted to Financial accounting 100 (FRK 100) ONLY on achieving a result in the compulsory accounting proficiency test written before lectures commence, that is acceptable to the CA Programme Manager. Candidates who did not take Grade 12 Accounting will be admitted to Financial accounting 101 (FRK 101) irrevocably. Accounting in Grade 12 is not a prerequisite for admission to any BCom degree programme;
- (e) obtained at least 4 (50-59%) in Mathematics in the Grade 12 examination, or at least 60% in both Statistics 113 and 123 will be admitted to Informatics 112 and Economics 120, and at least 6 (70-79%) in Mathematics or 60% in both Statistics 113 and 123 will be admitted to EKN 113 and 123;
- (f) obtained at least 4 (50-59%) in Mathematics, **and** has passed WTW 133 and WTW 143, will be admitted to Informatics 154, 164 and 171.

Note:

- "Grade 12 examination" refers to the final National Senior Certificate (NSC) examination.

2. Academic literacy

Training in academic literacy is offered as part of the study programmes.

3. Registration for a particular year of study

(Also consult General Regulation G.2)

At the beginning of an academic year, a student registers for all the modules he

or she intends taking in that particular year (whether these be 14- or 28-week modules). Changes to the chosen curriculum may be made at the beginning of the second semester, but only with the Dean's approval. A student may also only register for modules that fit into the lecture, test and examination timetables. For *renewal* of registration, see General Regulation G.3. and for *termination* of registration, General Regulation G.4.

4. **Concurrent registration for two fields of study**

With the permission of the dean/deans concerned, a student may register for a degree, diploma or certificate and another degree, diploma or certificate, whether undergraduate or postgraduate, simultaneously, subject to the regulations applicable to the fields of study in question and to any other stipulations the dean/deans may prescribe on the condition that there shall be no overlap in the course content of the first degree, diploma or certificate and the second degree, diploma or certificate. Such a concession may be withdrawn by the dean(s) concerned if the student does not perform satisfactorily. (See General Reg G.6.)

5. **Minimum study periods and requirements for bachelor's degrees**

A bachelor's degree is conferred on a student only if he or she complies with the minimum period of study and other requirements as stipulated in the Joint Statute and the regulations of the University pertaining to the acquisition of that degree. (See General Regulation G.7.)

Periods of attendance at and credits for modules which a student obtained at the University and which did not form part of the requirements for a degree already conferred on a student, may be accepted by the dean in consultation with the head of the department concerned, for a bachelor's degree, provided that the student complies with the stipulations in G.8.1 and G.9.4(a).

Subject to the stipulations of the Joint Statute, the dean may accept periods of attendance as a registered matriculated student at any other tertiary institution approved by Senate for this purpose, as part of the student's attendance record for a bachelor's degree.

6. **Requirements for promotion**

(According to General Regulation G.3 students have to comply with certain requirements as set by the Faculty Board.)

- (a) A student must pass at least 4 core semester or 2 core year modules to be admitted to the subsequent year of study.
- (b) If a student has passed less than the required minimum of 4 core semester or 2 core year modules, he/she will not be readmitted to the Faculty of Economic and Management Sciences. Such a student may apply in writing to the Faculty's Admissions Committee to be readmitted conditionally – with the proviso that the Admissions Committee may set further conditions with regards to the student's academic progress. The Faculty's Admissions Committee may deny a student's application for readmission.
- (c) If a student has been readmitted conditionally, his/her academic progress will be monitored after the first semester examinations to determine whether he/she has complied with the requirements set by the Admissions Committee. If not, his/her studies will be suspended.

- (d) A student whose studies have been suspended because of his/her poor academic performance has the right to appeal against the decision of the Faculty's Admissions Committee.
- (e) A student may be refused promotion to a subsequent year of study if the prescribed tuition fees are not paid.
- (f) A student may be refused admission to the examination, or promotion to a subsequent year of study or promotion in a module (if applicable) if he/ she fails to fulfil the attendance requirements. Class attendance in all modules and for the full duration of all programmes is compulsory for all students.

7. **Credits for unregistered students**

There are students who attend lectures, write tests and examinations and in this manner earn "marks", but have either not registered for modules or have not registered as students at all. These marks will not be communicated to any student before he/she has provided proof of registration. A student cannot obtain any credits in a specific academic year for a module "passed" in this manner during a previous academic year and for which he/she was not registered. This arrangement applies even where the student is prepared to pay the tuition fees.

8. **Examinations**

- (a) A student is admitted to an examination only if the lecturer of that module in consultation with the head of the department, certifies that the student has prepared himself or herself satisfactorily by due performance in his/her work and has fulfilled the attendance requirements. Class attendance in all modules and for the full duration of all programmes is compulsory for all students.
- (b) A student may be refused admission to the examination or promotion to a subsequent year of study if the prescribed tuition fees are not paid.
- (c) A student may be refused admission to the examination or promotion to a subsequent year of study if he/she fails to fulfil the attendance requirements. **Class attendance** in all modules and for the full duration of all programmes is compulsory for all students.
- (d) In exceptional cases, where it is deemed appropriate, the Dean of a faculty may excuse a student from attending all or part of a module.
- (e) The minimum semester mark to be admitted to an examination in a first-semester module on 100-level is 30%, and the semester/year mark for admission to an examination in all other modules is 40%.
- (f) The examinations for first-semester modules take place in May/June, while all other examinations (second-semester modules and year modules) take place in October/November (also consult General Regulation G.12).

8.1 **Pass requirements and subminima in examinations**

A final mark of at least 50% is required to pass a module. The year or semester mark must fall within a range of 40%-60% and the examination mark must fall within a range of 40%-60% of the final mark. Deviations from this rule can be approved by the Dean. The formula that is used to determine the final mark will be specified in the study guide of the module.

8.2 **Ancillary examinations**

After completion of an examination and before the examination results are announced, the examiners may summon a student for an ancillary examination on particular aspects of the work of that module.

8.3 Re-marking of examination papers

After an examination, departments give feedback to students about the framework that was used by the examiners during the examination. The way in which feedback is given, is determined by the heads of department. Students may apply for remarking of an examination paper after perusal and within 14 calendar days of commencement of lectures in the next semester. The prescribed fee has to be paid. The paper will then be re-marked by an examiner appointed by the head of the department (also consult General Regulation G.14).

8.4 Supplementary examinations

(Also consult General Regulation G.12, par. 4.3, 4.4, 4.5)

- (a) Supplementary examinations in first-semester modules take place after the May/June examinations, while those in second-semester and year modules take place after the October/November examinations.
- (b) A student may be admitted to a supplementary examination in a module, in cases where
 - (i) a final mark of between 40% and 49% has been obtained, or
 - (ii) a pass mark has been obtained, but the required subminimum in the examination section of the module or divisions thereof has not been obtained.
- (c) If the module, in which a final mark of between 40% and 49% has been obtained, is a first-semester module at 100-level, a supplementary examination must be granted. For all other modules, the Department has the discretion to allow a student to write a supplementary examination.
- (d) To pass a supplementary examination, a student must obtain a final mark of 50% – the semester or year mark is not taken into consideration.
- (e) The highest final percentage a student can obtain in a supplementary examination is 50%.
- (f) Special supplementary examinations are not arranged for students who are unable to write the examination for whatever reason, at the scheduled times.
- (g) Supplementary examinations cover the same subject matter as was the case for the examinations.

8.5 Aegrotat/extraordinary examinations

(Also consult General Regulation G.12, par. 5.1 and 5.2)

- (a) A student who is prevented from preparing for an examination, or from sitting for it, owing to unforeseen circumstances or illness, may be granted permission by the Dean to write an aegrotat/extraordinary examination in the particular module(s).
- (b) An application to sit for an aegrotat/extraordinary examination, supported by applicable corroborative proof (for example an original medical certificate), must be submitted to the Student Administration office, not later than 3 (three) days after the module should have been written, provided that an application that could not be submitted in time may also be submitted for consideration, provided that there is a valid reason.
- (c) Once a student has sat for an examination, he or she may not afterwards apply for an aegrotat/extraordinary examination on the basis of unforeseen circumstances or illness.
- (d) A student who has been granted permission to write an aegrotat/ extraordinary examination, and then fails to write the examination will not be allowed another opportunity to write any further examination in the specific module.

- (e) A student who wrote an aegrotat/extraordinary examination does not qualify for a supplementary examination.

8.6 Special examinations

(See General Regulation G.12, par. 6.1)

- (a) A student registered for the BCom or BAdmin degree programme and who complies with all the requirements for the degree, with the exception of a maximum of two 14-week modules, or the equivalent, may be admitted to a special examination in the module(s) concerned at the end of the following semester or earlier.
- (b) A student only qualifies for a special examination if he/she were admitted to and sat for the prescribed examination in the final (preceding) examination period.
- (c) If the special examination is conducted before 31 January, such a student must not register again for the module/s concerned and the examination is treated as a supplementary examination.
- (d) If the special examination is conducted after 31 January, the student must register again for the module/s concerned and a semester mark, examination mark and final mark must be obtained in an appropriate manner. In such a case, the result of the examination will not be taken into consideration with a view to the graduation ceremonies in March/April.
- (e) All the regulations applicable to a supplementary examination, also apply to a special examination (Reg G.12.4).

9. "Major subject"

To be considered a "major subject" the equivalent of four 14-week modules, including two at 300-level, must be passed provided that:

- the following modules which are offered at 300-level only, are also considered "major subjects": Labour law 311 (ABR 311), Labour relations 320 (ABV 320), Entrepreneurship 311 and 321 (OBS 311 and 321), E-business (OBS 315), E-commerce (OBS 325), International business management 359 and 369 (OBS 359 and 369);
- only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes. In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level, except for modules offered on 200- and 300-level only.

10. Degree conferred with distinction (Three-year undergraduate degrees)

The degree is conferred with distinction on:

1. A BCom (Accounting Sciences), (Investment Management) and (Law) candidate who complies with all the requirements for the degree within the minimum period of three years, and who obtains an average of 75% for all the prescribed modules at 300-level;
2. Candidates who comply with all the requirements of another bachelor's degree in the Faculty of Economic and Management Sciences within the minimum period of three years and who obtain an average of at least 75% for at least four 14-week modules* at 300 level, or the weighted equivalent thereof: (including the specialisation modules listed for the specific degree)
Please note: modules that are not preceded by the 100- or 200-levels, are not taken into consideration.

3. A BCom (Informatics) candidate who complies with the requirements for the degree within a minimum period of three years and who obtains an average of 75% for INF 301.

*The basic module unit of the Faculty has a duration of 14 weeks. There are, however, also modules that are offered over a period 28 weeks in the Department of Accounting. In the calculation of a student's average to determine whether a degree should be awarded with distinction, a weight of 1 (one) is awarded for a 14-week module, and a weight of 2 (two) for a module that extends over 28 weeks.

III. DEGREES AND DIPLOMAS CONFERRED/AWARDED IN THE FACULTY

The following degrees and diplomas are conferred/awarded in the Faculty (minimum duration is given in brackets):

- (i) Bachelor of Commerce – BCom (3 years)
Specific fields of study are indicated as a specialisation on the degree certificate [See Reg. C.3(a)].
- (ii) Bachelor of Commerce Honours – BComHons (1 year) – See the Postgraduate yearbook
- (iii) Master of Commerce – MCom (1 year) – See the Postgraduate yearbook
- (iv) Doctor of Commerce – DCom (1 year) – See the Postgraduate yearbook
- (v) Bachelor of Administration – BAdmin (3 years)
Specific fields of study are indicated as a specialisation on the degree certificate (See Reg.C.23)
- (vi) Bachelor of Administration Honours – BAdminHons (1 year) – See the Postgraduate yearbook
- (vii) Master of Administration – MAdmin (1 year) – See the Postgraduate yearbook]
- (viii) Master of Public Administration – MPA (2 years) – See the Postgraduate yearbook
- (ix) Doctor of Administration – DAdmin (1 year) – See the Postgraduate yearbook
- (x) Master of Philosophy – MPhil (2 years) – See the Postgraduate yearbook
- (xi) Doctor of Philosophy – PhD (2 years) – See the Postgraduate yearbook
- (xii) Postgraduate Diplomas – See the Postgraduate yearbook

Application of old and new regulations

(See General Regulation G.5)

Subject to transitional measures laid down by the Faculty, a student must complete his or her degree in accordance with the regulations that were applicable when he or she first registered for a specific field of study or specialisation. If a student interrupts his or her studies or changes a field of study or specialisation, the regulations applicable in the year in which studies are resumed, or the field of study is changed, apply.

Recognition of modules

(See General Regulations G.8 and G.9)

Credit for modules passed at other institutions is restricted to first-year (100-level) modules, provided that the date of the student's National Senior Certificate with admission to degree studies becomes effective before 2 April of the academic year in which such a module was completed. A student who is in possession of a bachelor's degree may not present any modules passed for that degree for another field of specialisation or degree in this Faculty.

General

Notes:

1. A student who registers for a module presented by another faculty should take note of the admission requirements of that module, the subminima required in examination papers, supplementary examinations, etc.
2. It is the responsibility of all students to familiarise themselves with the General and Faculty Regulations of the University, as well as the procedures, rules and instructions pertaining to study in this Faculty. Ignorance of the applicable regulations, rules and instructions, or the wrong interpretation thereof will not be accepted as an excuse for not complying with the stipulations of such regulations, rules and instructions.

Only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes. In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level, except for modules offered on 200- and 300-level only.

It is thus the responsibility of students to ensure before registration, that their curricula comply with all the requirements of the applicable regulations. (See 2 above)

IV. BACHELOR'S DEGREES

Minimum requirements for bachelor's degrees; semester and year modules; new regulations

1. Students who commenced their studies before **2014** must complete the programme in terms of the curriculum of the year in which they commenced their studies, or in terms of the curriculum of the year in which they switched to their current field of specialisation. Students who prefer to do so may, however, apply to change over to the latest curriculum, but then they should comply with all the requirements thereof and they may not revert to the regulations of an earlier year.
2. Students who are registering for a degree programme for the first time in **2014** must take the modules indicated under the particular field of specialisation.

C.1 Regulations applicable to all bachelor's degrees

- (a) General Regulations G.1 to G.15 (with the exception of Regulation G.11.2(c)) apply to a bachelor's degree.
- (b) A student may not take more than the prescribed number of modules per semester unless the Dean decides otherwise.
- (c) A student may take a module not listed as an elective module only if the prior approval of the Dean has been obtained.

- (d) A student who is in possession of a bachelor's degree may not present any modules passed for that degree for another field of specialisation or degree in this Faculty. (See General Regulations G.8 and G.9)
- (e) A module passed at 300-level shall only be recognised for degree purposes if the corresponding prescribed module(s) at 200-level has/have been passed, unless the Dean decides otherwise, with the proviso that the following modules which are offered at 300-level only, are also considered "major subjects": Labour law 311 (ABR 311), Labour relations 320 (ABV 320), Entrepreneurship 311 and 321 (OBS 311 and 321), E-business (OBS 315), E-commerce (OBS 325), International business management 359 and 369 (OBS 359 and 369); only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes. In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level, except for modules offered on 200- and 300-level only.
- (f) A module already passed may only be repeated with the approval of the Dean.
- (g) A module passed may not be taken into account for more than one degree or field of specialisation.
- (h) It remains the student's responsibility to ascertain, prior to registration, whether all the modules he/she intends taking can be accommodated in the class, test and examination timetables.
- (i) The Faculty of Economic and Management Sciences supports an outcomes-based education system and places a high premium on the development of specific academic competences. **Class attendance** in all modules and for the full duration of all programmes is therefore compulsory for all students.
- (j) The Dean has the right of authorisation regarding matters not provided for in the General Regulations or the Faculty Regulations.

C.2 Prerequisites for modules

Curricula for the bachelor's degrees in the Faculty are compiled from the subjects listed below. The list is arranged alphabetically according to the name of the particular module. When a module in any of these subjects is chosen, the prerequisites stated opposite the module should be complied with.

The first column lists the modules and module codes. When a module code in the second column ends with the symbol GS, it indicates that a combined mark of at least 40% must be obtained in that module before admission to the module in the first column can be obtained. A module listed in the second column without these letters must, however, be passed before admission to the module in the first column can be obtained. Where Reg 1.2 appears in the second column, it refers to **Requirements for specific modules** on page 16 of this publication.

Module	Prerequisites	Credits
Academic information management		Credits
AIM 101		6
AIM 111		4
AIM 121		4
Academic literacy for Economic and Management Sciences		Credits
ALL 124		6
VAG 124 (for Afrikaans students)		6

Academic literacy for Information Technology	Credits
ALL 121	6
Actuarial mathematics*	Credits
IAS 211 WTW 114: 60% and WTW 128: 60%	12
IAS 282 IAS 211: 70%	12
IAS 382 IAS 282	20
* If presented.	
Note: Please consult the publication <i>Regulations and Syllabi: Faculty of Natural and Agricultural Sciences</i> for information on the study programme in Actuarial and Financial Mathematics.	
Administrative law	Credits
ADR 310	10
Afrikaans	Credits
AFR 110	12
AFR 114*	12
AFR 120	12
* No mother tongue speakers of Afrikaans will be allowed in this module. For prerequisites see <i>Regulations and Syllabi: Faculty of Humanities</i> .	
Agricultural economics	Credits
LEK 210	12
LEK 220 LEK 210 or EKN 113 and/or EKN 120	12
LEK 310 LEK 210 or EKN 110,120	12
LEK 320 LEK 210, 220	18
LEK 410 LEK 210, 220, STK 281	24
LEK 415 EKN 110, LEK 220 and WTW 134	18
LEK 421 LEK 410, STK 210, STK 281	24
LEK 424 LEK 210	15
Auditing	Credits
ODT 200 FRK 100 or FRK 101	32
ODT 300 ODT 200	40
Business law*	Credits
BER 210	16
BER 220 Admission to the examination in BER 210	16
* BER 210, 220 may not be included in the same curriculum as Commercial law (KRG) 110, 120, 200 for degree purposes.	
Business management	Credits
OBS 114	10
OBS 124 Admission to the examination in OBS 114 or OBS 133 and OBS 143	10
OBS 122*	10
OBS 126**	5
OBS 133•	8
OBS 143• OBS 133 GS	8
OBS 210 OBS 114 or 124 with admission to examination in the other	16
OBS 220 OBS 114 or 124 with admission to examination in the other	16

OBS 310♦	OBS 114 or 124 with admission to examination in the other	20
OBS 320	OBS 114 or 124 with admission to examination in the other	20
OBS 315#	OBS 114 or 124 with admission to examination in the other	20
OBS 325#	OBS 114 or 124 with admission to examination in the other	20

*Only for BCom (Accounting Sciences and Investment Management) students.

** Only for BSocial Work students

• Only for BCom (Four-year Programme) students.

♦ OBS 310 may not be included in the same curriculum as BDO 319, 329 for degree purposes.

BCom (Informatics) students are not allowed to take OBS 315 and OBS 325 as elective modules for degree purposes.

Note:

- For OBS 213, 223, 311, 313, 321 and 323 see **Entrepreneurship**.
- For OBS 359 and 369 see **International business management**.

Commercial law*	Credits
KRG 110	10
KRG 120	Admission to the examination in KRG 110
KRG 200	KRG 120
	24

* Business law (BER) 210, 220 may not be included in the same curriculum as Commercial law (KRG) 110, 120, 200 for degree purposes.

Communication management	Credits
KOB 181#	5
KOB 182#	5
KOB 183#	5
KOB 184#	5
KOB 210	16
KOB 220	KOB 210 GS
	16
KOB 310	KOB 210 or KOB 220 with a GS in the other
	20
KOB 320	KOB 210 or KOB 220 with a GS in the other; KOB 310 GS
	20
KOB 356^	KOB 210 or KOB 220 with a GS in the other
	20

Only one of KOB 181-184 may be taken as a module where necessary for a programme.

^ Only for BCom (Communication Management) students.

Community-based project	Credits
JCP 202	8

For prerequisites see *Regulations and Syllabi: Faculty of Engineering, Built Environment and Information Technology*

Computer science	Credits
COS 110	COS 153 or COS 131 or COS 132 and Grade 12 Mathematics 5 (60-69%) or WTW 133
	16
COS 132	APS of 30 and Grade 12 Mathematics 5 (60-69%)
	16

Consumer protection	Credits
VBB 220	10

Economics	Credits
EKN 110	10
EKN 120	EKN 110 GS or EKN 113 GS; At least 4 (50-59%) in
	10

	Mathematics in the Grade 12 examination or 60% in STK 113 and concurrently registered for STK 123	
EKN 113	Reg 1.2(e)	15
EKN 123	Reg 1.2(e); EKN 113 GS	15
EKN 214	EKN 110 GS and EKN 120 or EKN 113 GS and EKN 123; STK 110 GS and STK 120 GS	16
EKN 224	EKN 110 GS and EKN 120 or EKN 113 GS and EKN 123 and STK 110 GS and STK 120 GS	16
EKN 234	EKN 110 GS and EKN 120 or EKN 113 GS and EKN 123, STK 110 GS and STK 120 GS and EKN 214 GS	16
EKN 244	EKN 110 or EKN 113, STK 110 and EKN 224 GS	16
EKN 310	EKN 214; EKN 234	20
EKN 314	EKN 234, EKN 244	20
EKN 320	EKN 310 GS	20
EKN 325	EKN 214; EKN 234	20

English Credits

ENG 118		12
ENG 120		12

For prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

Entrepreneurial law Credits

ODR 320		12
---------	--	----

Entrepreneurship Credits

OBS 213*	OBS 114 or 124 with admission to the examination in the other	16
OBS 223*	OBS 213 GS	16
OBS 313*	OBS 114, 124, 213, admission to the examination in OBS 223	20
OBS 323*	Admission to the examination in OBS 313	20
OBS 311**	OBS 114	20
OBS 321**	Admission to the examination in OBS 311	20

* Only for BCom (Entrepreneurship) students

** OBS 311, 321 are service modules for other degree programmes. For BCom (Entrepreneurship) OBS 213, 223, 313, 323 should be taken.

Financial accounting Credits

FRK 100*#	Acceptable performance in the compulsory accounting proficiency test; Reg 1.2(d)	24
FRK 101*#	Reg 1.2(d)	24
FRK 111		10
FRK 121	FRK 111 GS or FRK 133 and FRK 143	12
FRK 122	FRK 111 GS or FRK 133 and FRK 143	12
FRK 133	As for the BSc (IT), BIS (MM) Four-year programmes and BCom (Four-year programme)	8
FRK 143	As for the BSc (IT), BIS (MM) Four-year programmes and BCom (Four-year programme); FRK 133	8
FRK 153	FRK 133, FRK 143	12
FRK 201#	FRK 100 or 101	32
FRK 211	FRK 111, 121 or FRK 100 or 101	16
FRK 221	FRK 211 GS	16
FRK 300#	FRK 201	40
FRK 311	FRK 211, 221 and INF 281	20

FRK 321 FRK 311 GS and INF 281 20

*A student who failed FRK 100 must repeat FRK 100 and is not allowed to register for FRK 101. A student who failed FRK 101 may only repeat FRK 101 if his/her final mark for this module was below 35%. If his/her final mark for FRK 101 was 35% or higher, the student must register for FRK 100.

Only for BCom(Accounting Sciences) students

Financial management	Credits
FBS 110 ^{1#}	10
FBS 112 ² To be taken concurrently with WST 111	10
FBS 120 ^{1*}	10
FBS 121 ³	10
FBS 122 ² To be taken concurrently with WST 121	10
FBS 200 ³ FRK 100 or 101	32
FBS 210 ⁴ FRK 111 and 121 (or FRK 100 or 101) and simultaneously registered for FRK 211; STK 110, STK 120 or FBS 121	16
FBS 220 ⁴ FRK 211 GS; STK 110, STK 120	16
FBS 212 FRK 111 and 121/122 or FRK 100 or FRK 101	16
FBS 222 FRK 111 and 121/122 or FRK 100 or FRK 101	16
FBS 300 ³ FBS 200	40
FBS 310 ⁴ Admission to the examination in FBS 220 and FRK 211, 221	20
FBS 320 ⁴ FBS 210	20

^{1#} Only for BSc (Mathematical Statistics, Construction Management, Real Estate and Quantity Surveying and BEng (Industrial Engineering) students

^{1*} Only for BSc (Mathematical Statistics, Construction Management, Real Estate and Quantity Surveying) students

² Only for BSc (Actuarial and Financial Mathematics and Mathematical Statistics) and BCom (Statistics) students

³ Only for BCom (Accounting Sciences) students

⁴ Only for BCom (Financial Management Sciences, Financial Sciences, Investment Management, Internal Auditing and Law) students.

French

For module codes, credits and prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

German

For module codes, credits and prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

History	Credits
GES 110	12
GES 120	12

For prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

Human movement science	Credits
MBK 151	6
MBK 152	6
MBK 153	6

Industrial and organisational psychology		Credits
BDO 110		10
BDO 120	BDO 110 GS	10
BDO 181		5
BDO 219	BDO 110 GS, BDO 120 GS	16
BDO 229	BDO 219 GS	16
BDO 271**		8
BDO 272**		12
BDO 319*	BDO 110, 120, BDO 219 GS, BDO 229 GS	20
BDO 329*	BDO 319 GS	20
BDO 371**		12
BDO 372**		16
BDO 373**	RES 210 GS	10

* BDO 319 and BDO 329 may not be included in the same curriculum as OBS 310 for degree purposes.

** Only available for BCom (Human Resource Management) students.

Informatics		Credits
INF 112	Reg 1.2(e) or both STK 113 60% STK 123 60%	10
INF 154	Reg 1.2(f)	10
INF 164	INF 154, Reg 1.2(f) AIM 101 or AIM 111 and AIM 121	10
INF 171	Reg 1.2(f)	20
INF 214	AIM 101 or AIM 111 and AIM 121	14
INF 225	AIM 101 or AIM 111 and AIM 121, INF 171, INF 164	14
INF 261	INF 214	7
INF 264	AIM 101 or AIM 111 and AIM 121, INF 112	8
INF 271	INF 171, 164, Reg 1.2(f), AIM 101 or AIM 111 and AIM 121	14
INF 272	INF 171, 164, Reg 1.2(f), AIM 101 or AIM 111 and AIM 121	14
INF 281	FRK 111, FRK 121 or FRK 100 or FRK 101	3
INF 301*	INF 214, 225, 261, 271, 272	80

* INF 301 is a module that combines INF 315, INF 324, INF 354 and INF 370. Students register for all these modules, but receive a calculated percentage for INF 301.

Insolvency law		Credits
ISR 310		10

Internal auditing		Credits
IOK 211	FRK 111, 121	16
IOK 221	IOK 211 GS	16
IOK 311	IOK 211, 221	20
IOK 321	IOK 311 GS	20

International administration*		Credits
IAD 120		10
IAD 220		16
IAD 320		20

* Only available for BAdmin (Public Management) Option: Public Administration students.

International business management		Credits
OBS 359	OBS 114 or 124 with admission to examination in the other	20
OBS 369	Admission to examination in OBS 359	20

International relations		Credits
IPL 210	PTO 111 GS, PTO 120 GS	20
IPL 220	PTO 111, PTO 120 GS, IPL 210 GS	20
IPL 310	PTO 120, IPL 210 GS, IPL 220 GS	30
IPL 320	IPL 210, IPL 220 GS, IPL 310 GS	30

Introduction to moral and political philosophy		Credits
FIL 251*		10

*Available in quarter 2, 3 or 4. A limited number of students can be accommodated in each quarter.

For prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

Investment management*		Credits
BLB 200	FRK 111, FRK 121 or FRK 100 or 101, STK 110, STK 120 and EKN 110, EKN 120	32
BLB 300	BLB 200	40

* Only for BCom (Investment Management) students.

IsiNdebele

For module codes, credits and prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

IsiZulu

For module codes, credits and prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

Note: IsiNdebele and isiZulu may not both be included in the same curriculum for degree purposes.

Jurisprudence		Credits
JUR 110		15
JUR 120		15

Labour law		Credits
ABR 311		20

Labour relations		Credits
ABV 320		20

Language, life and study skills		Credits
LST 133	As for BSc (Four-year programme) and BCom (Four-year programme)	8
LST 143	LST 133	20

Law of contract		Credits
KTR 211		15

Law of delict		Credits
DLR 320		15

Law of persons		Credits
PSR 110		10

Law of succession		Credits
ERF 222		15
Law of things		Credits
SAR 310		15
Legal interpretation		Credits
RVW 210		10
Marketing management		Credits
BEM 110		10
BEM 122	BEM 110 GS	10
BEM 212	BEM 110 GS	16
BEM 224	BEM 110 GS	16
BEM 256**	BEM 110 GS	16
BEM 314	BEM 110; BEM 212 GS and STK 110	20
BEM 315**	BEM 110	20
BEM 321	BEM 212	20
BEM 356**	BEM 110; BEM 256	20
** Only for BCom (Marketing management) students.		
Mathematical statistics		Credits
WST 111	Reg 1.2(b)	16
WST 121	WST 111 GS or WST 133, 143 and 153	16
WST 133	BSc and BCom students: At least 3 (40-49%) in Mathematics in the Grade 12 examination and must be taken concurrently with WTW 133.	8
WST 143	BSc and BCom numeric stream students: WTW 133 and WST 133 and must be taken concurrently with WTW 143, or BCom non-numeric stream students: WST 133 and WTW 133	8
WST 153	WST 133 and WST 143 and WTW 143. Must be taken concurrently with WTW 153.	8
WST 211	WST 111, 121; WTW 126 GS, WTW 128 GS, WTW 114 GS	24
WST 221	WST 211 GS	24
WST 311	WST 211, 221; WTW 211 GS, WTW 218 GS	18
WST 312	WST 211, 221; WTW 211 GS, WTW 218 GS	18
WST 321	WST 211, 221; 311 GS; WTW 211 GS, WTW 218 GS	18
WST 322	WST 211, 221; WTW 211 GS, WTW 218 GS	18
Mathematics		Credits
WTW 114	Reg 1.2(b)	16
WTW 115*	Reg 1.2(b)	8
WTW 126	Reg 1.2(b)	8
WTW 128	WTW 114 GS	8
WTW 133	As for BSc (Four-year programme) and BCom (Four-year programme)	8
WTW 143	WTW 133	8
WTW 183	As for BSc (Four-year programme) and BCom (Four-year programme)	8
WTW 211	WTW 126	12
WTW 218	WTW 114, 126, 128	12
WTW 220	WTW 114, 128	12

WTW 221	WTW 211	12
WTW 264	WTW 114, 126, 128	12
WTW 286	WTW 114, 126, 128 and 162	12
WTW 310	WTW 220	18
WTW 354	WTW 211, 218, WST 211	18
WTW 381	WTW 114, 211	18
WTW 382	WTW 218, 286	18
WTW 383	WTW 114, 128, 211	18

* Only for BCom (Informatics) students.

Payment methods	Credits
VHD 320	10

Political science	Credits	
STL 210	PTO 111 GS, PTO 120 GS	20
STL 220	PTO 111, PTO 120 GS, STL 210 GS	20
STL 310	PTO 120, STL 210 GS, STL 220 GS	30
STL 320	STL 210, STL 220 GS, STL 310 GS	30

Politics	Credits	
PTO 111	12	
PTO 120	PTO 111 GS	12

Professional ethics*	Credits
BPE 211	6

* For BCom (Accounting Sciences) students only.

Public Administration	Credits	
PAD 112	10	
PAD 122	PAD 112 GS	10
PAD 212	PAD 112 or 122 with a GS in the other	16
PAD 222	PAD 212 GS	16
PAD 312	PAD 112, PAD 122; PAD 212 or 222 with a GS in the other	20
PAD 322	PAD 312 GS	20

Public information management*	Credits
PUM 120	10

* Only available for BAdmin (Public Management) Option: Public Administration students.

Public leadership and governance*	Credits
PUL 110	10

* Only available for BAdmin (Public Management) Option: Public Administration students.

Public management*	Credits
OPB 110	10
OPB 210	16
OPB 310	20

* Only available for BAdmin (Public Management) Option: Public Administration students.

Public organisation studies*	Credits
ODM 110	10
ODM 210	16

* Only available for BAdmin(Public Management) Option: Public Administration students.

Public people management* Credits

PUT 120	10
PUT 220	16

* Only available for BAdmin (Public Management) Option: Public Administration students.

Public practices* Credits

PBP 320	20
---------	----

* Only available for BAdmin (Public Management) Option: Public Administration students.

Public resource management* Credits

PUF 110	10
PUF 120	10
PUF 210	16
PUF 220	16
PUF 310	20

* Only available for BAdmin (Public Management) Option: Public Administration students.

Recreation science Credits

RKD 251	8
RKD 252	8
RKD 253	8
RKD 254	8
RKD 354	10

Research Credits

RES 210	20
---------	----

Roman law Credits

ROM 120	10
---------	----

Sepedi

For module codes, credits and prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

Setswana

For module codes, credits and prerequisites see *Regulations and Syllabi: Faculty of Humanities*.

Note: Modules in Setswana and Sepedi cannot both be included in the same curriculum for degree purposes.

Specific contracts Credits

KTH 220	15
---------	----

Sport and technology Credits

SDT 254	8
---------	---

Sport science Credits

SPK 161	6
SPK 251	10
SPK 252	10
SPK 262	10
SPK 351	15

SPK 352		15
SPK 361		15
Statistics		Credits
STK 110	Reg 1.2(c)	13
STK 120	STK 110 GS or both STK 113 GS, STK 123 GS or WST 133 and WST 143	13
STK 113*		11
STK 123*	STK 113 GS	12
STK 161	STK110 GS or both STK 113 GS, STK 123 GS	6
STK 162	STK110 GS or both STK 113 GS, STK 123 GS	7
STK 210	STK 110, 120	20
STK 220	STK 210 GS	20
STK 281	STK 110, 120	10
STK 310	STK 210, 220	25
STK 320	STK 310 GS	25

*On its own, STK 113 and 123 will not be recognised for degree purposes, but in this Faculty, exemption will be granted from the Grade 12 Mathematics admission requirement (ie at least 4 (50-59%)).

Supply chain management*		Credits
OBS 216*	OBS 114 or 124 with admission to the examination in the other	16
OBS 226*	OBS 114 or 124 with admission to the examination in the other	16
OBS 316*	OBS 114, 124; admission to the examination in OBS 216, OBS 226	20
OBS 326*	OBS 316 GS	20

*Only for BCom [Option: Supply chain management] students

Taxation		Credits
BEL 200*	FRK 111, 121 or FRK 100 or 101	32
BEL 220#	FRK 111, 121 or FRK 100 or FRK 101	16
BEL 300*	BEL 200 or BEL 213, 223	40

* Only available for BCom (Option: Taxation, Accounting Sciences, Financial Sciences, Financial Management Sciences, Investment Management and Law) students.

BEL 220 is offered in the first semester.

Tourism management		Credits
TBE 210		16
TBE 220	TBE 210 GS	16
TBE 310	TBE 210 GS	20
TBE 320**	TBE 210 GS	20

General notes regarding prerequisites:

- (i) The requirement that students must have already passed a module listed in the second column, or take the module together with a module in the first column at the same time, may be amended by the Dean. Such a concession is made almost exclusively only to students who will be able to register for all the still outstanding modules for the degree if they are exempted from the prerequisite of no more than two 14-week modules or the equivalent thereof. If a student fails any module required by a finalist for graduation purposes, the concession(s) that was/were granted by the Dean is/are withdrawn.

- (ii) The class, test and examination timetables are compiled to avoid timetable clashes if module choices are limited to the 100-, 200-, or 300-level. The onus is on students who choose modules at more than one level, or elective modules that are offered by other faculties, to ensure that timetable clashes do not occur with regard to these choices.

C.3 Bachelor of Commerce [BCom]

(a)	Specialisations	Academic Plan	Academic Program	Page no
	BCom (Four-year Programme)	(07139922)	CB012	36
	BCom degree	(07130221)	CB005	37
	with the following options:			
	Supply Chain Management	(07130064)	CB005	39
	Taxation	(07130001)	CB005	40
	In addition, the degree can also be taken in the following fields of specialisation:			
	Accounting Sciences	(07130042)	CB005	40
	Agribusiness Management	(07130091)	NB032	42
	Business Management	(07130062)	CB005	43
	Communication Management	(07130281)	CB005	44
	Econometrics	(07130011)	CB005	44
	Economics	(07130051)	CB005	45
	Entrepreneurship	(07130063)	CB005	46
	Financial Management Sciences	(07130203)	CB005	47
	Financial Sciences	(07130204)	CB005	48
	Human Resource Management	(07130142)	CB005	49
	Informatics	(07130172)	EB025	50
	Internal Auditing	(07130071)	CB005	53
	Investment Management	(07130202)	CB005	54
	Law	(07130151)	CB005	55
	Marketing Management	(07130161)	CB005	58
	Recreation and Sports Management	(07130251)	HB034	59
	Statistics	(07130261)	NB032	60
	Tourism Management	(07130242)	CB005	62

(b) Duration of study

Three years, but the programme can be extended to four years. Four-year study programmes are compiled in consultation with the Student Administration.

C.4 Curriculum for BCom (Four-year programme) (Code 07139922)

The first year is presented on the Mamelodi Campus.

Package coordinator: Dr Q Kritzinger, Mamelodi Campus, Tel: 012 842 3469.

Total credits required: 80*/88

The programme is aimed at the training of students in the Economic and Management Sciences who do not meet the prescribed admission requirements for a BCom degree.

Learning programme

YEAR LEVEL:		1
Core modules (Compulsory)		
AIM	Academic information management	111, 121
LST	Language, life and study skills	133, 143
WTW	Mathematics	133*, 143*
		or
		183*
FRK	Financial accounting	133, 143
WST	Mathematical statistics	133, 143
OBS	Business management	133, 143

* Students who want to do a non-numerical BCom degree only do a first-semester course in WTW 183 (Precalculus), and will not be required to do WTW 143 in the second semester. Students who want to continue with a numerical BCom degree programme (eg Economics, Econometrics, Accounting Science, Informatics, Financial Sciences and Investment Management) will need to register for WTW 133 and WTW 143.

Selection from the second academic year onwards, to be discussed with the Student Administration of the Faculty.

This is the ideal starting point for students who are interested in studying towards BCom degrees in Management or Financial sciences. Students must apply during October of their first year to transfer to the Faculty of Economic and Management Sciences (Hatfield Campus). Placement in BCom (Accounting Sciences) and BCom (Investment Management) cannot be guaranteed as these are selection programmes where numbers are limited. All modules must be passed in the first year to transfer to any of the BCom programmes.

- AIM 111 and AIM 121 – as currently presented on the Hatfield Campus.
- WST 133 and WST 143 – equivalent to STK 110. WST 133 and WST 143 will give BCom students entrance to STK 120.
- FRK 133 and FRK 143 – equivalent to FRK 111.
- OBS 133 and OBS 143 – equivalent to OBS 114.
- Students must register for FRK 122 in the first semester of the second year.

C.5 Curriculum for BCom (Code 07130221)

The programme is aimed at the training of students in the Economic and Management Sciences, but it does not lead to a specific vocational outcome. However, students are able to compile their own curricula with a view to work opportunities in all sectors.

Total credits required: 403/406

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	113 (93)	0 (32)	0
Elective modules	20 (40)	128 (99)	120*
Total	145	138 (141)	120

* **Only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes.** In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level except for the modules offered at 200- and 300-level only.

Please note:

- If BER 210 and BER 220 are chosen as core modules at 200-level, the elective modules will total 40 credits and the core modules 93 credits at 100-level.
- If WTW or WST is chosen as core modules, the credits will be higher.
- If FRK 211 and FRK 221 are chosen, INF 281 (3 additional credits) is compulsory.

Learning programme

YEAR LEVEL:	1	2	3
--------------------	----------	----------	----------

Fundamental modules (Compulsory)

AIM	Academic information management	101	
FIL	Introduction to moral and political philosophy		251
ALL	Academic literacy for EMS	124	

Core modules (Compulsory)

EKN	Economics	110, 120	
FRK	Financial accounting	111, 121/122 [#]	
KRG	Commercial law ⁽¹⁾	110, 120	
or			
BER	Business law ⁽¹⁾		210, 220
STK	Statistics	110, 120	
or			
WST	Mathematical statistics ⁽²⁾	111, 121	
KOB	Communication management	184	

One of the following subjects:

OBS	Business management	114, 124	
BEM	Marketing management	110, 122	
BDO	Industrial and organisational psychology	110, 120	
PAD	Public Administration	112, 122	

(Any of these four subjects may be chosen as **elective modules**, if not chosen under **core modules**.)

Elective modules

EKN	Economics		214, 234	310, 320
OBS	Business management	114, 124	210, 220	310 ⁽³⁾ , 320
OBS	Entrepreneurship			311, 321
FRK	Financial accounting		211 ⁽⁴⁾ , 221 ⁽⁴⁾	311 ⁽⁴⁾ , 321 ⁽⁴⁾
INF	Informatics		281(Sem 2) ⁽⁴⁾	
BEL	Taxation		200	300
			or	
			220(first semester)	
STK	Statistics		210, 220	310, 320
			or	
WST	Mathematical statistics ⁽²⁾		211, 221	311, 321 312, 322
			or	
WTW	Mathematics ⁽²⁾	114, 126 128	211, 220 218, 221 286 or 264	310, 381 354, 382 383
BEM	Marketing management	110, 122	212, 224	314, 321
BDO	Industrial and organisational psychology	110, 120	219, 229	319 ⁽³⁾ , 329 ⁽³⁾
KOB	Communication management		210, 220	310, 320
INF	Informatics	112	214, 261 225	
FBS	Financial management*		212, 222	
PAD	Public Administration	112, 122	212, 222	312, 322
ABR	Labour law			311
ABV	Labour relations			320

Note: See the alphabetical list of modules for the prerequisites for all modules.

- # FRK 122 is a terminating module. If FRK 122 is selected, a candidate will not be able to continue with Financial Accounting at the 200- and 300- level. Also note that FRK 121 may be a prerequisite for a number of other modules (eg BEL 200) and it is the responsibility of the candidate to ensure that he/she makes the appropriate choice between FRK 121 and 122.
- FBS 212 and 222 are terminating modules. Candidates will not be able to continue with Financial management at 300-level.
- (1) BER 210 and 220 may not be included in the same curriculum as KRG 110, 120.
- (2) Mathematical statistics and Mathematics are not mutually exclusive and may be taken simultaneously. WTW 114, 126, 128, 211, 218 must be taken if WST will be taken up to 300-level.
- (3) OBS 310 may not be included in the same curriculum as BDO 319, 329 for degree purposes.
- (4) Informatics 281 (INF 281) (with 3 additional credits), is compulsory if Financial Accounting 211, 221 (FRK 211, 221) are chosen.

Specialisation modules: Any prescribed modules at 300-level which is preceded by the appropriate modules at 200-level.

Curriculum for BCom Option: Supply Chain Management (Code 07130064)

The purpose of this option is to equip learners of Supply chain management with the ability to participate in functional management within an integrated supply chain. This includes the disciplines of supply management, production and operations management, warehousing, transport management and supply chain strategy.

Package coordinator: Mr W Niemann, EM 3-70, Tel: 012 420 4635

Total credits required: 393

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	123	128	120
Elective modules	0	0	0
Total	135	138	120

Learning programme**YEAR LEVEL:****1****2****3****Fundamental modules (Compulsory)**

AIM Academic information management 101

ALL Academic literacy for EMS 124

FIL Introduction to moral and political philosophy 251

Core modules (Compulsory)

OBS Business management 114, 124 210, 220 310, 320

OBS Supply chain management 216, 226 316, 326

BEM Marketing management 110, 122

EKN Economics 110, 120

FRK Financial accounting 111, 122[#]

INF Informatics 112

KOB Communication management 181

STK Statistics 110, 120

BER Business law 210, 220

FBS Financial management• 212, 222

OBS International business management 359, 369

OR

OBS E-business 315

AND

OBS E-commerce 325

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.

- FBS 212 and 222 are terminating modules. Candidates will not be able to continue with Financial management at 300-level.

Specialisation modules: OBS 316 and 326.

Curriculum for BCom Option: Taxation (Code 07130001)

This programme is being phased out. The last intake of new students was in 2013.

The purpose of this option in Taxation is to equip qualifiers with the essential knowledge and skills so that they will be competent to perform tax related functions both in the private and public sector environment.

Package coordinator: Prof M Stiglingh, EM 4-49.1, Tel: 012 420 3346

Total credits required: 401

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules	128	141	120
Elective modules	0	0	0
Total	140	141	120

Learning programme**YEAR LEVEL:****1****2****3****Fundamental modules (Compulsory)**

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		

Core modules (Compulsory)

FRK	Financial accounting	111, 121	211, 221	311
INF	Informatics		281 (Sem 2)	
BEL	Taxation		200	300
IOK	Internal auditing		211, 221	311, 321
OBS	Business management	114		
EKN	Economics	110, 120	214, 234	310
STK	Statistics	110, 120		
KRG	Commercial law	110, 120		
JUR	Jurisprudence	110, 120		
RVW	Legal interpretation		210	

Note: See the alphabetical list of modules for prerequisites of all modules.

Specialisation modules: BEL 300, IOK 311 and IOK 321

C.6 Curriculum for BCom in Accounting Sciences (Code 07130042)

This degree programme (that is only presented on a full-time basis) is the specialised bachelor's degree for candidates who are preparing for the relevant qualifying examinations of the South African Institute of Chartered Accountants (SAICA) and the Independent Regulatory Board for Auditors (IRBA). The programme BCom (Accounting Sciences), together with (the full-time) BComHons (Accounting Sciences) and the Certificate in the Theory of Accountancy (CTA) is accredited by the SAICA as part of its education requirements for the chartered accountant qualification.

Package coordinator: Prof JGI Oberholster, EMS 2-45, Tel: 012 420 3761
Total credits required: 445

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	6	0
Core modules	112	155	160
Elective modules	0	0	0
Total	124	161	160

Learning programme**YEAR LEVEL:****1****2****3****Fundamental modules (Compulsory)**

AIM Academic information management 101

ALL Academic literacy for EMS 124

BPE Professional ethics 211

Core modules (Compulsory)FRK* Financial accounting 100⁽¹⁾⁽²⁾ or 101⁽¹⁾⁽²⁾ 201 300

INF Informatics 281(Sem 1)

ODT* Auditing 200 300

FBS* Financial management 121 200 300

BEL* Taxation 200 300

INF Informatics 112

KRG Commercial law 110, 120 200

STK Statistics 110

EKN Economics 110, 120

OBS Business management 122

KOB Communication management⁽³⁾ 183(Q3)

* The specialisation modules on first to third year for the degree BCom (Accounting Sciences), may only be taken by students who are selected for this degree.

⁽¹⁾ See Reg 1.2 (d).

⁽²⁾ A student who failed FRK 100 must repeat FRK 100 and is not allowed to register for FRK 101. A student who failed FRK 101 may only repeat FRK 101 if his/her final mark for this module was below 35%. If his/her final mark for FRK 101 was 35% or higher, the student must register for FRK 100.

Note: If second-year modules clash with FRK 101 periods, students are advised not to register for those modules as class attendance for FRK 101 is compulsory.

⁽³⁾ Students are strongly advised to take KOB 183 in the third quarter of their second year as prescribed only and not in their first year. KOB 183 presupposes a basic knowledge of second year Accounting, Auditing, Financial management and Taxation and first-year students have not been exposed to all four these subjects.

Please note: See the alphabetical list of modules for the prerequisites for individual modules.

Specialisation modules: FRK 300, FBS 300, BEL 300 and ODT 300.

C.9 Curriculum for BCom in Communication Management (Code 07130281)

This option of specialisation has as its aim the provision of a theoretical foundation of corporate communication principles complemented by practical projects. The student will be able to combine theory with practice through intergration and application.

Package coordinator: Prof R Rensburg, EM 4-64, Tel: 012 420 3395
Total credits required: 377

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	123	112	120
Elective modules	0	0	0
Total	135	122	120

Learning programme

YEAR LEVEL: 1 2 3

Fundamental modules (*Compulsory*)

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		
FIL	Introduction to moral and political philosophy		251	

Core modules (*Compulsory*)

KOB	Communication management	181	210, 220	310, 320 356
BEM	Marketing management	110		
EKN	Economics	110, 120		
OBS	Business management	114, 124	220	310, 320
OBS	Entrepreneurship		213	
FRK	Financial accounting	111, 122 [#]		
STK	Statistics	110, 120		
BDO	Industrial and organisational psychology	110, 120	219	
BER	Business law		210, 220	
OBS	International business management			359

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.

Specialisation modules: KOB 310, 320, 356.

C.10 Curriculum for BCom in Econometrics (Code 07130011)

The purpose of this qualification is to provide graduates with knowledge on the working of economics and economic policy in South Africa and the foundations of econometric models. After completing this programme, candidates will be able to do a prognosis, analysis and forecast of the South African economy.

This degree will provide the graduate with the necessary practical skills for using economic and econometric models that management or government can apply in policy. Candidates will be able to do basic statistical analyses of economic trends and to apply the necessary computer and communication skills.

Package coordinator: Department of Economics, Tukkieurf, Tel. 012 420 2413
Total credits required: 413

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules	131	136	134
Elective modules	0	0	0
Total	143	136	134

Learning programme

YEAR LEVEL:

1

2

3

Fundamental modules (*Compulsory*)

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		

Core modules (*Compulsory*)

EKN	Economics	110, 120	214, 234 224, 244	310, 320 314, 325
WST	Mathematical statistics	111, 121	211, 221	311, 321 312
OBS	Business management	114		
FRK	Financial accounting	111, 122 [#]		
INF	Informatics	154, 164		
WTW	Mathematics	114, 126 128	211, 218	
KOB	Communication management	182		

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.

Specialisation modules: EKN 310, 320, 314, 325.

C.11 Curriculum for BCom in Economics (Code 07130051)

The purpose of this qualification is to provide graduates with knowledge on the working of economics and economic policy in South Africa and the influence exerted on it by the global economy and general markets conditions, related to government policy and regulation. This programme will provide students with the necessary theoretical and applied principles of the instruments and effects of economic policy, such as fiscal policy, monetary policy and labour policy. Graduates will be able to do a prognosis and analysis of the South African economy and therefore be able to advise management in the private as well as public sectors. Candidates will also be provided with the necessary statistic, computer and communication skills.

Package coordinator: Department of Economics, Tukkieurf, Tel. 012 420 2413

Total credits required: 413

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	125	136	130
Elective modules	0	0	0
Total	137	146	130

Learning programme

YEAR LEVEL:

1

2

3

Fundamental modules (*Compulsory*)

AIM Academic information management 101

ALL Academic literacy for EMS 124

FIL Introduction to moral and political philosophy 251

Core modules (*Compulsory*)

EKN Economics 110, 120 214, 234 310, 320
224, 244 314, 325

OBS Business management 114, 124

FRK Financial accounting 111, 122[#]

STK Statistics 110, 120 210, 220 310, 320

WTW Mathematics 114, 126
128

BER Business law 210, 220

KOB Communication management 182

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.

Specialisation modules: EKN 310, 320, 314, 325.

C.12 Curriculum for BCom in Entrepreneurship (Code 07130063)

The purpose of this qualification is to provide qualifiers with the necessary performance motivation, entrepreneurial and business skills to improve their entrepreneurial performance. The student is provided with the applicable theory, supported by the practical application thereof, to operate efficiently in a diversity of work environments. Specific attention is paid to starting and developing own entrepreneurial ventures.

Package coordinator: Prof JJ van Vuuren, EM 3-60, Tel: 012 420 3401

Total credits required: 415

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	113	160	120
Elective modules	0	0	0
Total	125	170	120

Learning programme

YEAR LEVEL:		1	2	3
Fundamental modules (Compulsory)				
AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		
FIL	Introduction to moral and political philosophy		251	
Core modules (Compulsory)				
OBS	Entrepreneurship ⁽¹⁾		213, 223	313, 323
OBS	Business management	114, 124	210, 220	310, 320
BEM	Marketing management	110, 122	212, 224	
STK	Statistics	110, 120		
FRK	Financial accounting	111, 122 [#]		
EKN	Economics	110, 120		
OBS	International business management			359, 369
BER	Business law		210, 220	
KOB	Communication management	181		
FBS	Financial management*		212, 222	

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.

- FBS 212 and 222 are terminating modules. Candidates will not be able to continue with Financial management at 300-level.

⁽¹⁾ For the degree BCom with specialisation in Entrepreneurship only OBS 213, 223, 313, 323 should be taken. OBS 311, 321 are service modules for other degrees.

Specialisation modules: OBS 313, 323.

C.13 Curriculum for BCom in Financial Management Sciences (Code 07130203)

This programme is being phased out. The last intake of new students was in 2013.

The purpose of this qualification is to provide qualifiers with detailed knowledge and specific skills in a number of fields in Financial management which can be applied in private as well as the public sector. It provides learners with vocational training which prepares them to write the qualifying examinations of a number of professional qualifications in the Financial management sciences.

Package coordinator: Ms MA Viljoen, EM 3-24, Tel: 012 420 3339
Total credits required: 381

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	108	131	120
Elective modules	0	0	0
Total	120	141	120

Learning programme

YEAR LEVEL:	1	2	3
Fundamental modules (Compulsory)			
AIM	Academic information management	101	
ALL	Academic literacy for EMS	124	
FIL	Introduction to moral and political philosophy		251
Core modules (Compulsory)			
FBS	Financial management		210, 220 310, 320
FRK	Financial accounting	111, 121	211, 221 311, 321
INF	Informatics		281 (Sem 2)
OBS	Business management	114, 124	210 ⁽¹⁾ , 220 ⁽¹⁾ 310 ⁽¹⁾ , 320 ⁽¹⁾
BEL	Tax		or 200 ⁽¹⁾ or 300 ⁽¹⁾
EKN	Economics	110, 120	
STK	Statistics	110, 120	
INF	Informatics	112, 171	
BER	Business law		210, 220

Note: See the alphabetical list of modules for prerequisites of all modules.

⁽¹⁾ At 200- and 300-level either Business Management (OBS) or Taxation (BEL) should be taken as compulsory modules.

Specialisation modules: FBS 310, 320, FRK 311, 321.

C.14 Curriculum for BCom in Financial Sciences (Code 07130204)

The purpose of this qualification is to equip students with detailed comprehensive knowledge and specific skills in a number of fields in the Financial Sciences which can be applied in private as well as the public sector. It provides learners with vocational training which prepares them to write the qualifying examinations of a number of professional qualifications in the Financial Sciences.

Package coordinator: Ms MA Viljoen, EM 3-24, Tel: 012 420 3339
Total credits required: 421

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	108	171	120
Elective modules	0	0	0
Total	120	181	120

Learning programme

YEAR LEVEL:	1	2	3
Fundamental modules (Compulsory)			
AIM	Academic information management	101	
ALL	Academic literacy for EMS	124	
FIL	Introduction to moral and political philosophy		251

FIL	Introduction to moral and political philosophy		251	
Core modules (Compulsory)				
BDO	Industrial and organisational psychology	110, 120	219, 229 271, 272	319 ⁽¹⁾ , 329 ⁽¹⁾ 371, 372 373 320 ⁽¹⁾
OBS	Business management	114, 124	210, 220	
EKN	Economics	110, 120		
FRK	Financial accounting	111, 122 [#]		
STK	Statistics	110, 120		
BER	Business Law		210, 220	
ABR	Labour Law			311
ABV	Labour relations			320
RES	Research		210	
KOB	Communication management	182		

Note: See the alphabetical list of modules for prerequisites of all modules.

FRK 122 is a terminating module. Candidates taking this module will not be able to continue with Financial accounting in the second or third year.

(1) OBS 310 may not be included in the same curriculum as BDO 319, 329 for degree purposes.

Specialisation modules: BDO 319, 329, 373, OBS 320.

C.16 Curriculum for BCom in Informatics (Code 07130172)

Informatics studies the application and use of the computer and information systems within the organisation. Our students' strength lies in their broad background of the economic and management sciences, which implies that the world of business is nothing sinister to them. The use of information technology by organisations is growing exponentially and new, more complex and challenging applications are explored and developed on a daily basis. It has the benefit that, in addition to the work of informatics specialists being extremely interesting, there will only be a very small chance that they will ever be without work.

The Informatics specialist has the knowledge to analyse the information needs of organisations, be that businesses, government departments, non-profit organisations or any other group where information is crucial. They not only analyse the needs but then address those needs by designing and implementing information systems. Information systems nowadays refer to computer-based systems (including mobile applications) which store and manipulate data such that people can understand, use, interpret and make decisions based on the information.

The BCom (Informatics) programme at UP is the only degree in South Africa that is internationally accredited by the Accreditation Board for Engineering and Technology (ABET) of the USA.

Package coordinator: Prof C de Villiers, IT 5-78, Tel: 012 420 3085
Total credits required: 408 (411)**

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	131	103 (106)**	80
Elective modules	0	32	40*
Total	143	145 (148)**	120

*** Only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes.** In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level except for the modules offered at 200- and 300-level only.

** If Financial accounting 211 and 221 (FRK 211 and 221) are chosen, it is compulsory to take INF 281 (3 additional credits).

Learning programme

YEAR LEVEL:		1	2	3
Fundamental modules (Compulsory)				
AIM	Academic information management	101		
ALL	Academic literacy for IT	121		
FIL	Introduction to moral and political philosophy		251	

** Students who are deemed to be at risk of their level of academic literacy are compelled to take the following two modules:

ALL 110 Academic literacy S1

ALL 121 Academic literacy for IT S2

Students who are deemed NOT to be at risk of their level of academic literacy are compelled to take the following module:

ALL 121 Academic literacy for IT S2

Note:

*Credits for ALL 110 will not form part of the minimum credit requirement for a programme.

Core modules (Compulsory)

INF	Informatics ^{(1); (2)}	112 154, 164 171	214, 261 225 271, 272	301 ⁽⁵⁾
FRK	Financial accounting	111, 121/122 [#]		
EKN	Economics	110, 120		
BER	Business law		210, 220	
STK	Statistics	110, 120		
OBS	Business management	114, 124		
KOB	Communication management	184		
WTW	Discrete structures	115		
JCP	Community-based project			202

Elective modules

OBS	Business management		210, 220	310, 320
FRK	Financial accounting ⁽³⁾		211, 221	311, 321
INF	Informatics ⁽³⁾		281 (Sem 2)	
BEL	Taxation		200	300
STK	Statistics		210, 220	310, 320

FBS	Financial management•		212, 222	
BEM	Marketing management	110 ⁽⁴⁾ , 122 ⁽⁴⁾	212, 224	314, 321
IOK	Internal auditing ⁽⁶⁾		211, 221	311, 321
KOB	Communication management		210, 220	310, 320

Elective modules can only be taken if they can be accommodated in the class, test and examination timetables.

Note: See the alphabetical list of modules for prerequisites of all modules.

FRK 122 is a terminating module. If FRK 122 is selected, a candidate will not be able to continue with Accounting at the 200- and 300-level. Also note that FRK 121 may be a prerequisite for a number of other modules (eg BEL 200) and it is the responsibility of the candidate to ensure that he/she makes the appropriate choice between FRK 121 and 122.

- FBS 212 and 222 are terminating modules. Candidates will not be able to continue with Financial management at 300-level.

(1) Only candidates who meet the entrance requirements for the compulsory modules Informatics 154, 164, 171 and 271, 272 ie at least 5 (60-69%) in Mathematics in Grade 12, will be admitted to the BCom in Informatics. Admission to the BCom in Informatics can also be obtained by complying with the requirements as set out in Reg 1.2(f) of the section **Requirements for specific modules**, in which case the Dean, on the recommendation of the head of department, may allow a student to register simultaneously for Informatics 154, 164, 171 and 271, 272.

(2) In addition to the provisions of the footnote⁽¹⁾ above, a student who does not fulfil the Mathematics requirement for admission but is nevertheless interested in a BCom (Informatics) degree, should register for the BCom (Code 07130221) and pass Mathematics 133 and 143 (WTW 133 and WTW 143) and the fundamental modules SIT 133 and SIT 143 as extra modules. At the end of the first year, he or she may then apply for permission to change to the second year of the BCom in Informatics. Students who have already passed Informatics 112, may, if their academic performance merits it, be allowed by the Dean, on the recommendation of the head of department, to register simultaneously for Informatics 154, 164, 171 and 271, 272.

(3) Informatics 281 (INF 281 – 3 additional credits) is compulsory at 200-level, if Financial accounting 311 and 321 (FRK 311 and 321) are chosen.

(4) If these modules are chosen as electives in the second and third year, the first-year modules will have to be included as extra modules.

(5) INF 301 is a module that combines INF 315, INF 324, INF 354 and INF 370. Students register for all these modules, but receive a calculated percentage for INF 301. Please refer to table below:

Module outstanding	Register for	Module in which student has to attend classes	Exam paper	Write with
INF 315	INF 315	INF 315 + INF 301	INF 315	INF 315
INF 324	INF 324	INF 324 + INF 301	INF 324	INF 324
INF 354	INF 354	INF 354 + INF 301	INF 354	INF 354
INF 370	INF 370	INF 370 + INF 301	INF 370	INF 370

⁽⁶⁾ Students who plan to apply for the BComHons (Internal Auditing) degree must discuss it with the relevant head of department at the beginning of the second year of study.

Specialisation modules: INF 301

C.18 Curriculum for BCom in Investment Management (Code 07130202)

The purpose of this degree programme is to expose students, specialising in Investment management, to the theoretical principles and practical application of investment decision-making at a high level. A multidisciplinary approach is followed and financial, economic and statistical principles are incorporated with the aim of improving the investment decision-making process. This well-structured degree has an analytic and scientific basis and is aimed at enabling students to cope with the demands of a rapidly changing local and international investment environment.

Package coordinator: Ms M Reyers, EM 3-25, Tel: 012 420 3427
Total credits required: 461

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	108	171	160
Elective modules	0	0	0
Total	120	181	160

Learning programme

YEAR LEVEL: **1** **2** **3**

Fundamental modules (Compulsory)

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		
FIL	Introduction to moral and political philosophy		251	

Core modules (Compulsory)

BLB	Investment management		200 ⁽¹⁾	300
FRK	Financial accounting	111, 121	211, 221	311, 321
INF	Informatics		281 (Sem 2)	
EKN	Economics	110, 120	214, 234	310, 320
FBS	Financial management		210, 220	310, 320
STK	Statistics	110, 120	210, 220	
INF	Informatics	112		
OBS	Business management		122	
KRG	Commercial law	110, 120		

Note: See the alphabetical list of modules for prerequisites of all modules.

⁽¹⁾ To continue with BLB 200, a student must pass Financial accounting 111, 121, Statistics 110, 120 and Economics 110, 120.

Specialisation modules: BLB 300.

C.19 Curriculum for BCom in Law (Code 07130151)

The purpose of this package in law is to provide broad formative education but it does not lead to any specific career outcomes. The student is, however, enabled to continue with the LLB degree (which is career-specific) or a BComHons. The skills acquired may be applied in either the private or public sectors.

Package coordinator: Mrs H Coetzee, Law 3.33, Tel: 012 420 2363
Total credits required: 407 (410)**

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	48	0	0
Core modules	98	55	62
Elective modules	0	64 (67)**	80*
Total	146	119 (122)**	142

* **Only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes.** In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level except for the modules offered at 200- and 300-level only.

** Credits will increase if Financial accounting is chosen as a major.

Learning programme

YEAR LEVEL: 1 2 3

Fundamental modules (Compulsory)

AIM Academic information management 101

JUR Jurisprudence 110, 120

Any of the following language modules in the Faculty of Humanities to the value of 12 credits: AFR 110, AFR 120, AFR 114, ENG 118, ENG 110, ENG 120.

Core modules (Compulsory)

EKN Economics 110, 120

OBS Business management 114

FRK Financial accounting 111, 121/122[#]

STK Statistics 110, 120

ROM Roman law 120

PSR Law of persons 110

KTR Law of contract 211

ERF Law of succession 222

KTH Specific contracts 220

VBB Consumer protection 220

SAR Law of things 310

DLR Law of delict 320

ODR Entrepreneurial law 320

ISR Insolvency law 310

VHD Payment methods 320

Elective modules

OBS Business management 124⁽¹⁾ 210, 220 310, 320

EKN Economics 214, 234 310, 320

FBS Financial management 210•, 220• 310, 320

FRK	Financial accounting	211, 221	311, 321
BEL	Taxation ⁽³⁾	200	300
INF	Informatics ⁽²⁾	281(Sem 2)	

It is advisable for BCom (Law) students to combine Business management with Economics as a major, Financial accounting with Financial management or alternatively Financial accounting with Taxation.

Note: See the alphabetical list of modules for prerequisites of all modules

FRK 122 is a terminating module. If FRK 122 is selected, a candidate will not be able to continue with Accounting at the 200- and 300-level. Also note that FRK 121 may be a prerequisite for a number of other modules (eg FBS 210 and 220) and it is the responsibility of the candidate to ensure that he/she makes the appropriate choice between FRK 121 and 122.

♦ BCom Law students will only be allowed to take Financial management 210, 220, 310 and 320 (FBS 210, 220, 310 and 320) if Financial accounting is also taken at 200- and 300-level.

(1) Must be taken as an extra module if OBS is taken at 300-level.

(2) Informatics 281 (extra 3 credits) is compulsory if Financial accounting 311, 321 (FRK 311, 321) are chosen.

(3) Recommended that students taking Taxation should also take FRK 211 and FRK 221.

Please note: Students whose aim is to obtain the LLB degree after completion of the BCom in Law degree, is advised to contact the Student Administration of the Faculty of Law for advice on which additional modules may be taken whilst doing their undergraduate study. Please note, however, that permission must be obtained from the Dean of the Faculty of Economic and Management Sciences for extra modules to be taken.

BCom (Law) students who wish to register for additional law modules do so in terms of the Faculty of Law yearbook of the academic year in which they registered for the first time.

All students who commenced with their studies for BCom (Law) prior to 2013, irrespective of the institution, and who after completion of the BCom (Law) then wish to complete an LLB at UP, must register for and complete the LLB according to the old curriculum (04130004).

TRANSITIONAL MEASURES as from 2014

These transitional measures apply to students who registered for the BCom (Law) degree for the first time prior to 2013.

Students who registered for the BCom (Law) prior to 2013 will be allowed to register for the compulsory law modules as set out in the relevant (pre-2013) yearbook. Previous yearbooks are available on the web at <http://web.up.ac.za> (New Students).

Possible summer/winter schools to be offered depending on availability of lecturers and availability of funding:

FAMILY LAW

Module outstanding	Register for	Class attendance
FMR 110	FMR 110	FMR 121*
FMR 120	FMR 120	FMR 121*

INTRODUCTION TO LAW

Module outstanding	Register for	Summer School Jan 2014	Class attendance (if not passed during Summer School)
IDR 110	IDR 110	IDR 110	JUR 110*
IDR 120	IDR 120	IDR 120	JUR 120*

LEGAL SKILLS

Module outstanding	Register for	Summer School Jan 2014	Class attendance (if not passed during Summer School)
RVD 110	RVD 110	RVD 110	JUR 110*
RVD 120	RVD 120	RVD 120	JUR 120*

*Detailed transitional arrangements to be provided in the study guides to these modules. In terms of the Faculty of Law Summer/Winter School policy a student may register for a maximum of two modules per Summer/Winter School.

BCom (Law) students will also be allowed to enrol for the summer/winter schools in HVR 110, HVR 120, SRG 210, SRG 220 and MRT 220, despite not having enrolled for these modules previously.

First-year BCom (Law) students who passed fewer than four (4) core semester modules or fewer than two (2) core year modules in 2013 and who are not academically excluded, will be registered for the new curriculum as from 2013. The same will apply *mutatis mutandis* for second- and third-year students in 2014 and beyond (General Regulation G.5.2.c read with paragraph 6(b) of the 2013 Faculty of Economic and Management Sciences yearbook).

Repeaters who failed a relevant first-year law module again in 2013 must enrol for the module again as set out in the table above but will be expected to complete the content of the module as set out in the 2014 yearbook.

Repeaters who fail a relevant second- or third-year law module again in 2014 must enrol for the module again but will be expected to complete the content of the module as set out in the 2015 yearbook.

The Dean of the Faculty of Law has the discretion to make an equitable and practical ruling where an unforeseen situation arises in the application of the transitional arrangements or where a particular issue has not explicitly been set out in the transitional arrangements.

C.20 Curriculum for BCom in Marketing Management (Code 07130161)

This field of specialisation has as its aim the provision of a theoretical foundation of marketing principles complemented by practical projects. The student will be able to combine practice with theory through integration and application.

Package coordinator: Dr G van Heerden, EMS 4-127, Tel: 012 420 4440
Total credits required: 383

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	113	128	120
Elective modules	0	0	0
Total	125	138	120

Learning programme**YEAR LEVEL:****1****2****3****Fundamental modules (Compulsory)**

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		
FIL	Introduction to moral and political philosophy		251	

Core modules (Compulsory)

BEM	Marketing management	110, 122	212 224, 256	314 315 356, 321 320
OBS	Business management	114, 124	210, 220	
EKN	Economics	110, 120		
FRK	Financial accounting	111, 122 [#]		
FBS	Financial management*		212, 222	
STK	Statistics	110, 120		
BER	Business law		210	
KOB	Communication management	181		
OBS	International business management			359

Note: See the alphabetical list of modules for prerequisites of all modules.

- [#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.
- FBS 212 and 222 are terminating modules. Candidates will not be able to continue with Financial management at 300 level.

Specialisation modules: BEM 314, 315, 321 and OBS 320.

C.21 Curriculum for BCom in Recreation and Sports Management (Code 07130251)

The package aims to equip potential managers with specific and applied knowledge and competencies to manage sport and recreation in both the private and public sector. Recreation and sport as products differ from other products in the market causing the bridge between Management Science and the theory and practice of sport and recreation not to be realised efficiently. The package focuses specifically on this challenge.

Package coordinator: Prof AE Goslin, Sports Centre 2-27, Tel: 012 420 6043
Total credits required: 445

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules	132	166	135
Elective modules	0	0	0
Total	144	166	135

Learning programme

YEAR LEVEL:

1

2

3

Fundamental modules (*Compulsory*)

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		

Core modules (*Compulsory*)

SPK	Sports science	161	251 252, 262	351, 361 352
MBK	Human movement science	151, 152, 153		
SDT	Sport and technology		254	
RKD	Recreation science		251, 253 252, 254	354
BEM	Marketing management	110, 122	212, 224	314, 321
EKN	Economics	110, 120		
OBS	Business management	114, 124	210, 220	310, 320
FRK	Financial accounting	111, 122 [#]		
STK	Statistics	110, 120		
BER	Business law		210, 220	

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates taking this module will not be able to continue with Financial accounting in the second or third year.

Specialisation modules: SPK 351, 352, 361 and RKD 354.

C.22 Curriculum for BCom in Statistics (Code 07130261)

Statistics is an independent discipline with interdisciplinary applications. The aim of this qualification is to prepare the candidates in totality with methods that can be applied for the gathering and interpretation of data and empirical information. Statistics lay the foundation for scientific accountable conclusions, planning and estimation. Candidates are at the same time equipped with the necessary computer and communication skills. Statistics is commissioned by all disciplines where it can contribute towards scientific and technological progress.

Package coordinator: Mr A Swanepoel, IT 6-7, Tel: 012 420 3559
Total credits required: 396 (399)*

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules**•	93 (99)	40 (48)	50 (72)
Elective modules** •	25 (20)	96 (88)	80 (60)***
Total	130 (131)	136 (136)	130 (132)

* Total credits refer to minimum as required by the programme, but can be more, depending on the elective modules.

** Alternative credits as indicated in brackets are based on choosing WST as a specialisation module instead of STK, while all elective modules are selected within the Faculty of Economic and Management Sciences.

*** **Only two 14-week modules on the 300-level, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes.** In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level apart from the modules offered only at 200- and 300-level.

• The number of elective modules is influenced by the inclusion of modules from other faculties and their respective credit values.

Learning programme

YEAR LEVEL:	1	2	3
Fundamental modules (Compulsory)			
AIM Academic information management	101		
ALL Academic literacy for EMS	124		
Core modules (Compulsory)			
STK Statistics	110, 120	210, 220	310, 320
	or		
WST Mathematical statistics ⁽¹⁾	111, 121	211, 221	311, 321 312, 322
EKN Economics	110, 120		
FRK Financial accounting	111, 121/122 [#]		
OBS Business management	114, 124		
KOB Communication management	182		
Elective modules[@]			
FRK Financial accounting		211, 221	311, 321
INF Informatics ⁽²⁾		281 (Sem 2)	

STK	Statistics		281 ⁽³⁾	
WTW	Mathematics ⁽¹⁾	114, 126 ⁽⁴⁾	211, 220	310, 382
		128 ⁽⁴⁾	218, 221	354, 383
EKN	Economics	113, 123	214, 234	310, 320
				314, 325
FBS	Financial management	112, 122		
LEK	Agricultural economics ⁽⁵⁾		210, 220	310, 320
FIL	Introduction to moral and political philosophy		251	
INF	Informatics	112	214, 261	
		154, 164	225	
		171	271, 272	
COS	Computer science	132 ⁽⁶⁾ , 110		
IAS#	Actuarial mathematics		211, 282	382
	<i>#IAS 211 = Actuarial mathematics 211</i>			
	<i>#IAS 282 = Financial mathematics 282</i>			
	<i>#IAS 382 = Actuarial modelling 382</i>			
	<i>See prerequisites for IAS on page 24.</i>			

For example: Students in **Mathematical statistics** who also want to be trained for the **insurance industry**, select, among others, the following modules as part of their core and elective modules:

WST	Mathematical statistics ⁽¹⁾	111, 121	211, 221	311, 321
				312, 322
WTW	Mathematics ⁽¹⁾	114, 126 ⁽⁴⁾	211, 220	
		128 ⁽⁴⁾	218, 221	
COS	Computer science	132 ⁽⁶⁾ , 110		
FBS	Financial management	112, 122		
EKN	Economics	113, 123		
IAS#	Actuarial mathematics		211, 282	382

For example: Students in **Mathematical statistics** who also want to be trained in the **Econometrics** field select, among others, the following modules as part of their core and elective modules:

WST	Mathematical statistics ⁽¹⁾	111, 121	211, 221	311, 321
				312, 322
WTW	Mathematics ⁽¹⁾	114, 126 ⁽⁴⁾	211, 220	
		128 ⁽⁴⁾	218, 221	
COS	Computer science	132 ⁽⁶⁾ , 110		
EKN	Economics		214, 234	310, 320
				314, 325

Other students may select among others, modules from any other subject/faculty according to their own specific career requirements as part of their core and elective modules:

Note: See the alphabetical list of modules for prerequisites of all modules.

® At least one of the two elective modules in which a candidate graduate must be selected from the available modules within the Economics and Management Sciences Faculty.

- # FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.
- (1) If WST modules are selected, notice must be taken of the relevant WTW prerequisites as stipulated in the yearbook.
 - (2) Informatics 281 is compulsory if Financial accounting 211 and 221 (FRK 211, 221) are chosen.
 - (3) STK 281 may not be taken if a candidate already passed STK 310.
 - (4) The equivalent of seven-week modules, with the exception of WTW 114 which is presented over a period of 14 weeks.
 - (5) Students who register for Agricultural economics at 200 and 300 level as electives will have to pass extra modules to make up the credits.
 - (6) It is recommended that COS 132 be taken as an elective by all students in this programme.

Specialisation modules: STK 310, 320 or WST 311, 312, 321, 322.

C.23 Curriculum for BCom in Tourism Management (Code 07130242)

The overall purpose of this qualification is to develop future managers and entrepreneurs in the tourism industry that have a sound foundation in the economic and management sciences; think and act within a strategic and systems framework; have analytical and problem-solving skills and an in-depth knowledge of the management aspects of the various sectors of the tourism industry.

Package coordinator: Prof B Lubbe, EMS 4-123, Tel: 012 420 4102

Total credits required: 383

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	10	0
Core modules	113	96	80
Elective modules	0	32	40
Total	125	138	120

Learning programme

YEAR LEVEL:

1

2

3

Fundamental modules (Compulsory)

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		
FIL	Introduction to moral and political philosophy		251	

Core modules (Compulsory)

TBE	Tourism management		210, 220	310, 320
OBS	Business management ⁽¹⁾	114, 124	210, 220	310, 320
			or	
FBS	Financial management ⁽¹⁾		212, 222•	
BEM	Marketing management	110, 122		
BER	Business law		210, 220	
EKN	Economics	110, 120		
FRK	Financial accounting	111, 122#		

STK	Statistics	110, 120
KOB	Communication management	181

Elective modules

BEM	Marketing management	212, 224	314, 321
EKN	Economics	214, 234	310, 320

Note: See the alphabetical list of modules for prerequisites of all modules.

- # FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.
- FBS 212 and 222 are terminating modules. Candidates will not be able to continue with Financial management at 300 level.
- (1) At 200-level either OBS 210, 220 or FBS 212, 222 should be taken as "compulsory modules".

Specialisation modules: TBE 310, 320.

C.24 Bachelor of Administration (BAdmin)

- | | | | |
|-----|---------------------------------|----------------------|-------------------------|
| (a) | Fields of specialisation | Academic plan | Academic program |
| | Public Management | (07131171) | CB001 |
| | [Option: Public Administration] | (07131172) | CB001 |
| | International Relations | (07131151) | CB001 |
| (b) | Duration | | |
| | Three years. | | |

C.25 Curriculum for BAdmin in Public Management (Code 07131171)

This programme is directed towards the study of Public Administration that will equip the candidate for a career in the broad public sector. Candidates will gain in-depth knowledge of certain administrative and management practices in the South African and international public sectors. Emphasis is placed on the three spheres of government with reference to aspects such as resources management, international administration and management, policy, accountability and ethics, the role of the state, intergovernmental relations and administrative justice.

Package coordinator: Prof LP Malan, EMS 3-130, Tel: 012 420 2063
Total credits required: 369

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules	79	32	40
Elective modules	30	96	80*
Total	121	128	120

* Only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes. In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level except for the modules offered at 200- and 300-level only.

Learning programme

YEAR LEVEL:		1	2	3
Fundamental modules (Compulsory)				
AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		
Core modules (Compulsory)				
PAD	Public Administration	112, 122	212, 222	312, 322
PTO	Politics	111, 120		
EKN	Economics	110		
BDO	Industrial and organisational psychology	110, 120		
KOB	Communication management	184		
Elective modules (Students can only choose from the listed modules)				
STL	Political science ⁽⁵⁾		210, 220	310, 320
or				
IPL	International relations ⁽⁵⁾		210, 220	310, 320
EKN	Economics	<u>120</u>	<u>214, 234</u>	<u>310, 320</u>
OBS	Business management	114, 124	210, 220	310 ⁽¹⁾ , 320
BDO	Industrial and organisational psychology		219, 229	319 ⁽¹⁾ , 329 ⁽¹⁾
FRK	Financial accounting	111, 121/122 [#]		
BER	Business law		210, 220	
STK	Statistics	<u>110, 120</u> 113, 123 ⁽²⁾		
KOB	Communication management		210, 220	310, 320
AFR	Afrikaans	110, 120 114		
ADR	Administrative law			310 ⁽³⁾
RVW	Legal interpretation		210	
ABR	Labour law			311 ⁽⁴⁾
ABV	Labour relations			320 ⁽⁴⁾

Note: See the alphabetical list of modules for prerequisites of all modules.

[#] FRK 122 is a terminating module. Candidates will not be able to continue with Financial accounting in the second or third year.

(1) OBS 310 and BDO 319, 329 may not be included in the same curriculum for degree purposes.

(2) On its own, STK 113 and 123 will not be recognised for degree purposes, but in this Faculty, exemption will be granted from the grade 12 Mathematics admission requirement of at least 4 (50-59%) and STK 110.

(3) Elective module only at 200-level, not at 300-level.

(4) Can be included in the curriculum as elective modules at 200-level, provided that it can be accommodated in the class, test and examination timetables.

(5) STL and IPL have no modules at year-level 1, but follow on PTO 111 and PTO 120.

Please note: Candidates who did not obtain at least 4 (50-59%) in Mathematics in Grade 12, or who did not pass Statistics 113, 123, may not include the underlined modules in their curriculum. Refer also to faculty prerequisites for these modules.

Specialisation modules: PAD 312, 322

Curriculum for the BAdmin in Public Management**Option: Public Administration (Code 07131172)***(Formal selection takes place and work experience is required.)*

The option is directed towards the candidates already active within the field of public administration. Candidates from national, provincial and local spheres of government will obtain entry into the programme. Candidates will gain in-depth knowledge of the administrative function, both local and international. Emphasis is placed on the three spheres of government with reference to aspects such as resources management, international administration, policy management, ethics, intergovernmental relations and the role of the state.

Package coordinator: Prof LP Malan, EMS 3-130, Tel: 012 420 2063**Total credits required:** 360

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules	100	128	120
Elective modules	0	0	0
Total	112	128	120

Learning programme**YEAR LEVEL:****1****2****3****Fundamental modules (Compulsory)**

AIM	Academic information management	101		
ALL	Academic literacy for EMS	124		

Core modules (Compulsory)

PAD	Public Administration	112, 122	212, 222	312, 322
PUF	Public resource management	110, 120	210, 220	310
ODM	Public organisation studies	110	210	
PUT	Public people management	120	220	
PBP	Public practices			320
PUL	Public leadership and governance	110		
OPB	Public management	110	210	310
PUM	Public information management	120		
IAD	International Administration	120	220	320

Note: See the alphabetical list of modules for prerequisites of all modules.**Specialisation modules:** PAD 312, 322**C.26 Curriculum for BAdmin in International Relations (Code 07131151)**

The purpose of this package is to provide qualifiers with an in-depth knowledge and understanding of contemporary world politics and related changes in the international system. This will enable learners, once they are employed in the public or private sector, to respond in an innovative and proactive manner to the problems and challenges of globalisation.

Package coordinator: Prof LP Malan, EMS 3-130, Tel: 012 420 2063
Total credits required: 387

	Year-level 1	Year-level 2	Year-level 3
	Credits	Credits	Credits
Fundamental modules	12	0	0
Core modules	59	72	100
Elective modules	40	64	40
Total	111	136	140

* **Only two 14-week modules, or the equivalent thereof, that are not preceded by the 100- and 200-level modules, may be taken for degree purposes.** In other words, at least four 14-week modules must be taken at 300-level that are preceded by the 100- and 200-level except for the modules offered at 200- and 300-level only.

At each year level a minimum of four quarter or two semester modules of the electives should be from the same subject. As the credits per module may differ from faculty to faculty, the total credits for the required number of elective modules could exceed the indicated values.

Learning programme

YEAR LEVEL:	1	2	3
Fundamental modules (Compulsory)			
AIM Academic information management	101		
ALL Academic literacy for EMS	124		
Core modules (Compulsory)			
PAD Public Administration	112, 122	212, 222	312, 322
PTO Politics	111, 120		
IPL ⁽¹⁾ International relations		210, 220	310, 320
EKN Economics	110		
KOB Communication management	184		
Elective modules			
BEM Marketing management	110, 122	212, 224	
GES History ⁽²⁾	110, 120		
BDO Industrial and organisational psychology	110, 120	219, 229	319, 329
STL ⁽¹⁾ Political science		210, 220	310, 320

Language⁽³⁾ (German, English, French, Arabic, Mandarin, Russian, Spanish)

Note: See the alphabetical list of modules for prerequisites of all modules.

⁽¹⁾ STL and IPL have no modules at year-level 1, but follow on PTO 111 and PTO 120.

⁽²⁾ A maximum of 24 credits may be taken.

⁽³⁾ Language modules with a maximum value of 64 credits may be taken up to year-level 2 from the following:

- A European language (from English, German, French, Spanish) at UP or

- An international language from Arabic, Mandarin or Russian at Unisa.

See *Regulations and Syllabi: Faculty of Humanities* for credits, prerequisites and presentation of these modules.

Specialisation modules: IPL 310, 320

TRANSITIONAL MEASURES IN THE FACULTY FOR 2014
--

ACADEMIC LITERACY

Module outstanding	Register for	Class attendance and examination
EOT 161	ALL 124 / VAG 124	ALL 124 / VAG 124
EOT 162	ALL 124 / VAG 124	ALL 124 / VAG 124
EOT 163	JUR 110 & JUR 120	JUR 110 & JUR 120
EOT 164	ALL 124 / VAG 124	ALL 124 / VAG 124

ECONOMICS

Module outstanding	Register for	Class attendance and examination
EKN 215	EKN 234	EKN 234
EKN 225	EKN 244	EKN 244

MARKETING MANAGEMENT

Module outstanding	Register for	Class attendance and examination
BEM 211	BEM 212	BEM 212
BEM 221	BEM 224	BEM 224
BEM 311	BEM 314	BEM 314
BEM 321	BEM 321	BEM 321

TAXATION

Module outstanding	Register for	Attend the lectures and comply with the assessment criteria
BEL 213 & 223	BEL 200	BEL 200
BEL 213	BEL 213	First semester of BEL 200
BEL 223	BEL 223	Second semester of BEL 200
BEL 310 & 320	BEL 300	BEL 300
BEL 310	BEL 310	First semester of BEL 300
BEL 320	BEL 320	Second semester of BEL 300

XI. OTHER REGISTRATIONS

Commerce Special

Individual subjects – not for degree purposes

Undergraduate: (Code 07180001)

Postgraduate: (Code 07280001)

Admission course: Economic and Management Sciences

Undergraduate: (Code 07185001)

Postgraduate: (Code 07285001)

Non-examination purposes

Undergraduate: (Code 07185002)

Postgraduate: (Code 07285002)

FOREIGN CO-OPERATION

Undergraduate: (Code 07185003)

Postgraduate: (Code 07285003)

FOREIGN EXCHANGE STUDENTS

Undergraduate: (Code 07185004)

Postgraduate: (Code 07285004)

XII. ALPHABETICAL LIST OF MODULES

= Concurrent registration

() = Examination admission

dpw = discussions per week

GS = combined (final) mark (semester/year mark plus examination mark) of at least 40%-49%

hpw = hours per week

LP = Lecturer's permission

lpw = lectures per week

ppw = practicals per week

spw = seminars per week

TDH = Permission by head of department

tpw = tutorials per week

ABR 311 Labour law 311

Academic organisation: Mercantile Law

Contact time: 2 lpw and 1 tpw every second week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Basic principles of the employment contract. Collective labour law. Statutory conditions of employment. Individual labour disputes. Collective labour disputes. Settlement procedures.

This module is offered by the Faculty of Law.

ABV 320 Labour relations 320

Academic organisation: Human Resource Management

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

The theoretical basis of labour relations

In this section the basic concepts, historical context and theoretical approaches to the field of labour relations will be discussed. The institutional framework in which labour relations operates, will be addressed with particular emphasis on the structural mechanisms and institutional processes. The service relationship that forms the basis of labour relations practices, will also be analysed.

Labour relations practice

In this section students are taught the conceptual and practical skills related to practice aspects such as handling of grievances, disciplining, retrenchments, collective bargaining, industrial action and dispute resolution.

ADR 310 Administrative law 310

Academic organisation: Public Law

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*For LLB and BAdmin

An overview of judicial review of administrative action in light of the Constitution and the

Promotion of Administrative Justice Act 3 of 2000, with a focus on the legitimate scope of such judicial review and the grounds for judicial review.

This module is offered by the Faculty of Law.

AFR 110 Afrikaans 110

Academic organisation: Afrikaans

Contact time: 2 lpw 2 dpw

Period of presentation: Semester 1

Language of tuition: Afrikaans

Credits: 12

Module content:

Taalkundekomponent

Inleiding tot die Afrikaanse taalkunde met klem op lees- en skryfvaardigheid.

Letterkundekomponent

Inleiding tot die Afrikaanse letterkunde aan die hand van kortverhale en gedigte.

Hierdie module word deur die Fakulteit Geesteswetenskappe aangebied.

AFR 114 Afrikaans 114

Academic organisation: Afrikaans

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Afrikaans

Credits: 12

Module content:

Afrikaans for speakers of other languages (1)

*No mother tongue speakers of Afrikaans will be allowed to take this module.

A subject for advanced learners of Afrikaans. A basic knowledge of Afrikaans grammar and listening, reading, writing and speaking skills are required.

This module is offered by the Faculty of Humanities.

AFR 120 Afrikaans 120

Academic organisation: Afrikaans

Contact time: 2 lpw 2 dpw

Period of presentation: Semester 2

Language of tuition: Afrikaans

Credits: 12

Module content:

Taalkundekomponent:

Inleiding tot die Afrikaanse sintaksis, fonetiek en taalgeskiedenis.

Letterkundekomponent:

Inleiding tot die Romankuns.

Inleiding tot die Drama.

Hierdie module word deur die Fakulteit Geesteswetenskappe aangebied.

AIM 101 Academic information management 101

Academic organisation: School of Information Technology

Contact time: 2 lpw

Period of presentation: Semester 1 or Semester 2

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

Find, evaluate, process, present and manage information resources for academic purposes using appropriate technology. Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st century communications into the management of academic information.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology

AIM 111 Academic information management 111

Academic organisation: School of Information Technology

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Eng and Afr

Credits: 4

Module content:

Find, evaluate, process, present and manage information resources for academic purposes using appropriate technology.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology

AIM 121 Academic information management 121

Academic organisation: School of Information Technology

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Eng and Afr

Credits: 4

Module content:

Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st century communications into the management of academic information.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology

ALL 121 Academic literacy for Information Technology 121

Academic organisation: Unit for Academic Literacy

Contact time: 2 lpw 1 web-based period per week

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

Module content:

By the end of this module students should be able to cope more confidently and competently with the reading, writing and critical thinking demands that are characteristic of the field of Information Technology.

This module is offered by the Faculty of Humanities.

ALL 124 Academic literacy for Economic and Management Sciences 124

Academic organisation: Unit for Academic Literacy

Contact time: 2 lpw

Period of presentation: Semester 1 (MyFoundationsLab) Semester 2 (coursework)

Language of tuition: English

Credits: 6

Module content:

This module intends to equip students with the competence in reading and writing required in the four high-impact modules: Business management, Financial accounting, Statistics and Economics. Students will also be equipped to interpret and draw figures and graphs and to do computations and manage relevant formulas. During semester 1, students engage with the online computer program MyFoundationsLab individually in a flexible learning environment, and during semester 2 they attend the scheduled contact sessions and do the coursework.

This module is offered by the Faculty of Humanities.

BDO 110 Industrial and organisational psychology 110

Academic organisation: Human Resource Management

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Introduction to industrial and organisational psychology

This section is an introduction to the various schools of thought in psychology with particular emphasis on industrial and organisational psychology and its fields of application. The basic principles of scientifically systematising industrial psychological knowledge will be discussed. The biological basis of behaviour will be addressed in order to lay the foundation for the application of ergonomical principles.

Individual processes

This section consists of the principles of learning as found in the work context. The role of perception in the work environment will be discussed by considering aspects such as shape, depth, distance and colour perceptions. Cognition, thought, reasoning, memory, creativity and decision-making will be included. Intelligence will be addressed and placed in an industrial and organisational psychology perspective.

BDO 120 Industrial and organisational psychology 120

Academic organisation: Human Resource Management

Prerequisite: BDO 110 GS

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Development and personality

This module consists of a discussion of the life span and important periods in human development with emphasis on their meaning in the work context. With regard to personality, the following themes will be addressed: the cultural context of personality, its formation and determinants of personality; personality as determinant of behaviour as well as the development and maintenance of self-image. Attention will be given to the basic methods of personality measuring and personality assessment.

Man in interaction

This theme deals with some central aspects in human interaction. These aspects should be known and understood by prospective human resource management practitioners and industrial psychologists, as they are acknowledged as human behaviour specialists in the work context who can assist employers/organisations to enhance the performance, productivity and wellness of human resources in the workplace. Effective human interaction plays a pivotal role in this environment. Thus this module covers aspects like the self-concept, social roles, social perception, time structuring and management, motivation and frustration and psychological adaptation processes and how it relates to human interaction in general and with reference to the workplace. Both theory and practical implications are covered.

BDO 181 Industrial and organisational psychology 181

Academic organisation: Human Resource Management

Contact time: 3 lpw

Period of presentation: Quarter 2

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

Capita selecta

This module will provide an introduction to personnel psychology, organisational behaviour and labour relations. It will refer to the selection of employees and the training and development of human resources in order to adapt to changing circumstances. The role of leadership in group utilisation and motivation will be treated both theoretically and practically. Labour relations will be studied in terms of institutional processes and the service relationship and will include practical aspects such as the handling of grievances, disciplining and dispute resolution.

BDO 219 Industrial and organisational psychology 219

Academic organisation: Human Resource Management

Prerequisite: BDO 110 GS, 120 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Group behaviour and leadership

This module will focus on organisational behaviour with specific reference to the principles of group behaviour and the role of work teams in the organisation. Particular attention will be paid to group development, group interaction, group structures, group processes and the promotion of team performance in the organisation. Leadership and the effect of power and politics in the organisation will be studied. The function of leadership in individual, group and task-oriented behaviour will also be addressed.

Organisational behaviour

The behavioural basis for organisational structuring and organisation design will be addressed. This will include organisational culture as an important facet in any organisation. The dynamics and approaches to organisational change will be addressed with specific reference to the role of change agents, resistance to change and organisational development with a practical discussion of the contemporary problems of organisational change.

BDO 229 Industrial and organisational psychology 229

Academic organisation: Human Resource Management

Prerequisite: BDO 219 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Employee health and ergonomics

This section focuses on actual and important aspects of safety and health management in organisations, as well as the nature and role of ergonomics therein. These aspects are theoretically and practically covered, providing the student with the knowledge and skills required in the organisational psychology and human resource management field.

Workforce diversity

This section will focus on the development of sensitivity towards a diverse employee corps and the development of mutual respect and tolerance between individuals and groups in any organisation. Particular attention will be given to the prerequisites for the effective implementation of a diversity management programme in an organisation.

BDO 271 Industrial and organisational psychology 271

Academic organisation: Human Resource Management

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

*Only available for BCom (Human Resource Management) students.

Industrial psychology practice

This module will address the practical applications of leadership in the workplace, groups, organisation structures, organisation change, management of diversity, occupational health, ergonomics and goal achievement in organisations. The following methods will be used in this module: case studies, practical exercises, group work and assignments which have to be integrated with the process of research.

BDO 272 Industrial and organisational psychology 272

Academic organisation: Human Resource Management

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

*Only available for BCom (Human Resource Management) students.

Psychometrics

This module focuses on the basic concepts of psychological assessment. This includes the following aspects: fundamental, ethical and legal problems in psychological testing; test validity and reliability; test bias; test interpretation methods; the effective application of different kinds of psychometric tests and the use of computers in the application and interpretation of tests.

BDO 319 Industrial and organisational psychology 319

Academic organisation: Human Resource Management

Prerequisite: BDO 110, 120; BDO 219 GS, BDO 229 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Human resource management systems

This section provides an introduction to human resource management systems and addresses current developments and problems in the field, which will be comprehensively addressed and include the following: job analysis, description, specification, and design, remuneration theory and systems, job evaluation and grading as well as benefit and fringe-benefit systems. Remuneration systems as motivation for employees will also be included.

Human resources provision

Human resources provision will be presented from an industrial psychological perspective and will include the following themes: human resources planning; macro and micro variables which could affect personnel forecasting and provision; human resource information systems; the auditing of skills as well as techniques such as recruitment, selection, placement and induction.

BDO 329 Industrial and organisational psychology 329

Academic organisation: Human Resource Management

Prerequisite: BDO 319 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Motivation and performance management

This section will address the main characteristics of a performance management system and will focus on the strategic and motivational value of the process. Performance management will be addressed under the following headings: criteria development; performance planning; data gathering; observation and documenting; performance appraisal; appraisal instruments; performance feedback to promote motivation.

People and career development

This section will address current methods that can be used to develop human resources and to present career development programmes in order to promote performance at both an individual and organisational level. Emphasis will be on needs analysis, curriculum design, goal setting for learning, programme development, preparation of materials, training interventions, presentation and facilitation skills as well as course evaluation. The integration of individual career expectations with the organisation's requirements and strategies will be illustrated based on career development.

BDO 371 Industrial and organisational psychology 371

Academic organisation: Human Resource Management

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

*Only available for BCom (Human Resource Management) students.

Human resource management practices

In this module the virtual organisation will be established. Students will act as "human resource practitioners" in this organisation. The full spectrum of human resource practices will be applied and practised. The student will be given the opportunity to prepare and present reports, to practise and apply techniques, to work on projects within teams as well as to assess processes.

BDO 372 Industrial and organisational psychology 372

Academic organisation: Human Resource Management

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

*Only available for BCom (Human Resource Management) students.

The module will focus on the use of psychological testing and other evaluation methods in organisational context. The following themes will be addressed: the transfer of test results in organisations; compilation of capability/competency profiles; conducting of interviews in the workplace and the practical application thereof. Application of ethical assessment practices in the work context; application of assessment centres; video simulation tests; situational judgement tests (SJT); value-scales and career guidance tests as well as an introduction to the measuring of personality will be included in the module.

BDO 373 Industrial and organisational psychology 373

Academic organisation: Human Resource Management

Prerequisite: RES 210 GS

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*Only available for BCom (Human Resource Management) students.

Research methodology for human resources practice

This module places research methodology within the context of human resource management and industrial and organisational psychology. Emphasis is placed on the practical application and conducting of research through practical research projects. This module places emphasis on: problem statement; identification of variables; the use and creation of a questionnaire and interview schedule for the collection of data; selection and application of basic research designs; use and interpretation of descriptive statistics; research ethics in practice; reporting of results through a research report.

BEL 200 Taxation 200

Academic organisation: Taxation

Prerequisite: FRK 111, 121 or FRK 100 or FRK 101

Contact time: 1 ppw 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 32

Module content:

* Only available for BCom (Option: Taxation, Accounting Sciences, Financial Management Sciences, Financial Sciences, Investment Management and Law) students

Introduction to income tax in respect of companies and individuals

In this module an introduction to the administration of deceased and insolvent estates is provided. Specific emphasis is placed on the preparation of the executor's account for deceased estates as well as the trustee's account for insolvent estates. The calculation of estate duty is also dealt with in detail. Introduction to taxation, objection and appeal, gross income, source of income, gross income (special inclusions), exempt income, general deduction formula, assessed losses, special deductions for companies, special deductions for individuals, capital allowances.

BEL 220 Taxation 220

Academic organisation: Taxation

Prerequisite: FRK 111, FRK 121 or FRK 100 or FRK 101

Contact time: 3 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Introduction to income taxation, gross income, gross income (special inclusions), exempt income, general deduction formula, special deductions for individuals, capital allowances, introduction to fringe benefits, provisional taxation and employees' taxation.

BEL 300 Taxation 300

Academic organisation: Taxation

Prerequisite: BEL 200 or BEL 213, 223

Contact time: 4 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

** Only available for BCom (Option: Taxation, Accounting Sciences, Financial Management Sciences, Financial Sciences, Investment Management and Law) students
The purpose of the module is to enable the learner to calculate the value-added tax liability and to journalise transactions; calculate the normal tax liability (including the determination of taxable capital gains and assessed capital losses) of individuals, companies, estates and trusts, discuss tax principles; and calculate provisional and employees' tax and to object against an assessment.

BEM 110 Marketing management 110

Academic organisation: Marketing Management

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Principles of marketing management and marketing instruments, customer centricity, the process of marketing management, market segmentation, positioning and marketing information systems, environmental analysis, identification of target markets, value creation, positioning strategies, consumer behaviour, relationship marketing, relationship intention, application of product, price, marketing communication and distribution strategies.

BEM 122 Marketing applications 122

Academic organisation: Marketing Management

Prerequisite: BEM 110 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

E-marketing, services marketing, not-for-profit marketing, business-to-business marketing, retailing, global marketing.

BEM 212 Consumer behaviour 212

Academic organisation: Marketing Management

Prerequisite: BEM 110 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Internal and external influencing factors of consumer behaviour, the consumer's decision process and application fields of consumer behaviour, consumerisms and social responsibility, buying behaviour of consumers in both product and service related industries, consumer psychology and the influence thereof on buying behaviour, psychology of pricing, influencing factors in consumer buying behaviour, the impact of various forms of marketing communication on buying behaviour.

BEM 224 Integrated brand communications 224

Academic organisation: Marketing Management

Prerequisite: BEM 110 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Integrated brand communications approach, marketing communication planning, objectives and budgets for integrated marketing communications, principles and strategising of marketing communication elements, new media, the brand name communication process, marketing metrics and evaluation for marketing communication effectiveness.

BEM 256 Market offering 256

Academic organisation: Marketing Management

Prerequisite: BEM 110 GS

Contact time: 1 tpw 2 ppw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 16

Module content:

*Only for BCom (Marketing Management) students.

Integrated practical project: The development of a market offering.

New product/service development variables influencing new offerings to the market, product/service concept generation, identification of opportunities, evaluating the feasibility of a new product/service concept, pricing a new market offering, the development of a distribution strategy for a new market offering.

BEM 314 Marketing research 314

Academic organisation: Marketing Management

Prerequisite: BEM 110; BEM 212 and STK 110

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

The role of marketing research, the process of marketing research, interpretation of secondary research, qualitative research, survey research, observation, measurement and attitude scaling, questionnaire design, sampling design and sampling procedures, basic data analysis, descriptive statistical analysis, interpretation and reporting of results, research report writing.

BEM 315 Personal selling and account management 315

Academic organisation: Marketing Management

Prerequisite: BEM 110

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 20

Module content:

*Only for BCom (Marketing Management) students.

Marketing mix and the role of selling, managerial and ethical aspects of selling, communication/ persuasion, steps in the selling process, implementing the sales strategy, key account management.

BEM 321 Marketing management 321

Academic organisation: Marketing Management

Prerequisite: BEM 212

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Strategic issues in marketing, strategic marketing, strategic analysis (market analysis, customer analysis, competitor analysis and internal analysis), market strategies (competitive strategies, strategies in the product life cycle and relationship building strategies) and strategy implementation and control.

BEM 356 Integrated practical marketing project 356

Academic organisation: Marketing Management

Prerequisite: BEM 110, BEM 256

Contact time: 1 tpw 2 ppw

Period of presentation: Quarter 2 and 3

Language of tuition: Double Medium

Credits: 20

Module content:

*Only for BCom (Marketing management) students.

Students will be required to conduct a practical marketing audit and prepare a tactical marketing plan for a small to medium-sized organisation based on an integrated understanding of the marketing strategy variables. Students will complete the project in groups of three to five and will be required to present their plans in the form of a written report which will be assessed together with an oral presentation to the lecturer and representatives from the specific organisation.

BER 210 Business law 210

Academic organisation: Mercantile Law

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Basic principles of law of contract. Law of sales, credit agreements, lease.

This module is offered by the Faculty of Law.

BER 220 Business law 220

Academic organisation: Mercantile Law

Prerequisite: Examination entrance for BER 210

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Labour law. Aspects of security law. Law of insolvency. Entrepreneurial law; company law, law concerning close corporations. Law of partnerships.

This module is offered by the Faculty of Law.

BLB 200 Investment management 200

Academic organisation: Financial Management

Prerequisite: FRK 111, FRK 121 or FRK 100 or FRK 101; STK 110, STK 120, EKN 110, EKN 120

Contact time: 1 ppw 3 lpw

Period of presentation: Year

Language of tuition: English

Credits: 32

Module content:

*Only for BCom (Investment Management) students.

Functioning of the South African financial system, interest bearing instruments: issuers, institutions and valuation, types of risk and measuring risk, types of return and measuring

return, share markets, Financial market regulation, trading activities in the equity market, share price indices, valuation of ordinary shares, and the fundamental analysis of ordinary shares, industry analysis, technical analysis of shares, investment objectives and investment process, asset allocation, local and international bond markets, bond fundamentals, valuation of bonds, mathematics of fixed interest securities, structure of interest rates and yield curves, duration, convexity introduction to derivatives.

BLB 300 Investment management 300

Academic organisation: Financial Management

Prerequisite: BLB 200

Contact time: 3 lpw

Period of presentation: Year

Language of tuition: English

Credits: 40

Module content:

*Only for BCom (Investment Management) students.

Efficient market hypothesis, portfolio management, asset allocation, construction of efficient investment portfolios, asset pricing models (CAPM and APT), equity portfolio management strategies, performance evaluation of investment portfolios, restructuring of investment portfolios, measuring of financial risk exposure, futures market in South Africa, the use of futures contracts in financial risk management, pricing and the valuation of futures contracts, swaps and forward rate agreements, option markets in South Africa and the valuation of options, option payoffs and trading strategies, warrants and convertible securities, alternative evaluation techniques, real estate investment, venture capital, rights issues and capitalisation issues, immunisation, switching and trading strategies in the bond market, fixed income portfolio strategies, ethics.

BPE 211 Professional ethics 211

Academic organisation: Philosophy

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

In the first quarter of this module students are equipped with an understanding of the moral issues influencing human agency in economic and political contexts. In particular philosophy equips students with analytical reasoning skills necessary to understand and solve complex moral problems related to economic and political decision making. We demonstrate to students how the biggest questions concerning the socio-economic aspects of our lives can be broken down and illuminated through reasoned debate. Examples of themes which may be covered in the module include justice and the common good, a moral consideration of the nature and role of economic markets on society, issues concerning justice and equality, and dilemmas of loyalty. The works of philosophers covered may for instance include that of Aristotle, Locke, Bentham, Mill, Kant, Rawls, Friedman, Nozick, Bernstein, Dworkin, Sandel, Walzer, and MacIntyre. In the second quarter of the module the focus is on professionalism, careers and ethics. Codes of ethics in business and professions, professional codes, as well as ethical issues in the accountancy profession are discussed.

This module is offered by the Faculty of Humanities.

COS 110 Program design: Introduction 110

Academic organisation: Computer Science

Prerequisite: COS 153 or COS 131 or COS 132 and Mathematics level 5 (60-69%) or WTW 133

Contact time: 1 ppw 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

The focus is on object-oriented (OO) programming. Concepts including inheritance and multiple inheritance, polymorphism, operator overloading, memory management (static and dynamic binding), interfaces, encapsulation, reuse, etc. will be covered in the module. The module teaches sound program design with the emphasis on modular code, leading to well-structured, robust and documented programs. A modern OO programming language is used as the vehicle to develop these skills. The module will introduce the student to basic data structures, lists, stacks and queues.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

COS 132 Imperative programming 132

Academic organisation: Computer Science

Prerequisite: APS of 30 and Grade 12 Mathematics level 5 (60-69%)

Contact time: 1 ppw 1 tpw 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

*Note: All students registered for degrees within the School of IT, excluding the two four-year programmes, BIS (Information Science) and BIS (Publishing), need to enrol for this module.

This module introduces imperative computer programming, which is a fundamental building block of computer science. The process of constructing a program for solving a given problem, of editing it, compiling (both manually and automatically), running and debugging it, is covered from the beginning. The aim is to master the elements of a programming language and be able to put them together in order to construct programs using types, control structures, arrays, functions and libraries. An introduction to object orientation will be given. After completing this module, the student should understand the fundamental elements of a program, the importance of good program design and userfriendly interfaces. Students should be able to conduct basic program analysis and write complete elementary programs.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

DLR 320 Law of delict 320

Academic organisation: Private Law

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BA/BCom (Law)

(a) General principles of the law of delict.

(b) Capita selecta from the principles applicable to specific delicts.

This module is offered by the Faculty of Law.

EKN 110 Economics 110

Academic organisation: Economics

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

This module deals with the core principles of economics. A distinction between macroeconomics and microeconomics is made. A discussion of the market system and circular flow of goods, services and money is followed by a section dealing with microeconomic principles, including demand and supply analysis, consumer behaviour and utility maximization, production and the costs thereof, and the different market models and firm behaviour. Labour market institutions and issues, wage determination, as well as income inequality and poverty are also addressed. A section on money, banking, interest rates and monetary policy concludes the module.

EKN 113 Economics 113

Academic organisation: Economics

Prerequisite: Reg. 1.2(e)

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

Introduction to economics and principles of microeconomics

The scope of economics; the basic theory of demand and supply; price, income and cross elasticity of demand; consumer utility, the utility function and case studies in terms of the utility function; the theory of the firm in the short and long run; market structures, namely the perfect market, monopoly, oligopoly and monopolistic competition; public sector finances; microeconomics versus macroeconomics and economic statistics.

EKN 120 Economics 120

Academic organisation: Economics

Prerequisite: EKN 110 GS or EKN 113 GS; At least 4 (50-59%) in Mathematics in the Grade 12 examination or 60% in STK 113 and concurrently registered for STK 123

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

This module deals with the core principles of economics, especially macroeconomic measurement. The private and public sectors of the South African economy receive attention, while basic macroeconomic relationships and the measurement of domestic output and national income are discussed. Aggregate demand and supply analysis stands core to this course, which is also used to introduce students to the analysis of economic growth, unemployment and inflation. The microeconomics of government is addressed in a separate section, followed by a section on international economics, focussing on international trade, exchange rates, and the balance of payments. The economics of developing countries and South Africa in the global economy conclude the module.

EKN 123 Economics 123

Academic organisation: Economics

Prerequisite: Reg. 1.2(e) EKN 113 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

National income and principles of macroeconomics

The mechanics of national income accounts, the Keynesian macroeconomic model, the money market, demand for money and money supply, money and credit creation and the role of the monetary authorities. The IS-LM model of macroeconomic equilibrium and monetary and fiscal policy applications. The aggregate demand and supply models with the debate between the classical school, the monetarists and the Keynesian school. The problems of inflation and unemployment. Macroeconomic issues, namely macroeconomic policy, international trade, the balance of payments and economic growth.

EKN 214 Economics 214

Academic organisation: Economics

Prerequisite: EKN 110 GS and EKN 120 or EKN 113 GS and EKN 123 and STK 110 GS and STK 120 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Macroeconomics

From Wall and Bay Street to Diagonal Street: a thorough understanding of the mechanisms and theories explaining the workings of the economy is essential. Macroeconomic insight is provided on the real market, the money market, two market equilibrium, monetarism, growth theory, cyclical analysis, inflation, Keynesian general equilibrium analysis and fiscal and monetary policy issues.

EKN 224 Economics 224

Academic organisation: Economics

Prerequisite: EKN 110 GS and EKN 120 or EKN 113 GS and EKN 123 and STK 110 GS and STK 120 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Microeconomics

Microeconomic insight is provided into: consumer and producer theory, general microeconomic equilibrium, Pareto-optimality and optimality of the price mechanism, welfare economics, market forms and the production structure of South Africa.

EKN 234 Economics 234

Academic organisation: Economics

Prerequisite: EKN 214, STK 120

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr en Eng

Credits: 16

Module content:

Macroeconomics

Application of the principles learned in EKN 214 on the world we live in. We look at international markets and dynamic macroeconomic models, and familiarise the students with the current macroeconomic policy debates. We also take a look at the latest macroeconomic research in the world. The module includes topics of the mathematical and econometric analysis of macroeconomic issues.

EKN 244 Economics 244

Academic organisation: Economics

Prerequisite: EKN 224, STK 120

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

Microeconomics

From general equilibrium and economic welfare to uncertainty and asymmetric information. In this module we apply the principles learned in EKN 224 on the world around us by looking at the microeconomic principles of labour and capital markets, as well as reasons why the free market system could fail. We touch on the government's role in market failures. The module includes topics of the mathematical and econometric analysis of microeconomic issues.

EKN 310 Economics 310

Academic organisation: Economics

Prerequisite: EKN 214, EKN 234

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Public finance

Role of government in the economy. Welfare economics and theory of optimality. Ways of correcting market failures. Government expenditure theories, models and programmes. Government revenue. Models on taxation, effects of taxation on the economy. Assessment of taxation from an optimality and efficiency point of view. South African perspective on public finance.

EKN 314 Economics 314

Academic organisation: Economics

Prerequisite: EKN 234, EKN 244

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

International trade/finance

International economic insight is provided into international economic relations and history, theory of international trade, international capital movements, international trade politics, economic and customs unions and other forms or regional cooperation and integration, international monetary relations, foreign exchange markets, exchange rate issues and the balance of payments, as well as open economy macroeconomic issues.

EKN 320 Economics 320

Academic organisation: Economics

Prerequisite: EKN 310 GS

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Economic analyses

Identification, collection and interpretation process of relevant economic data; the national accounts (ie income and production accounts, the national financial account, the balance of payments and input-output tables); economic growth; inflation; employment, unemployment, wages, productivity and income distribution; business cycles; financial indicators; fiscal indicators; social indicators; international comparisons; relationships between economic time series – regression analysis; long-term future studies and scenario analysis; overall assessment of the South African economy from 1994 onwards.

EKN 325 Economics 325

Academic organisation: Economics

Prerequisite: EKN 214, EKN 234

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

Economic policy and development: Capita selecta

The module provides an introduction to growth economics and also to some topics on development economics. Firstly, historical evidence is covered and then the canonical Solow growth model and some of its empirical applications (human capital and convergence). Secondly, the new growth theory (the AK and the Romer models of endogenous growth) are covered. Some of the development topics to be covered include technology transfer, social infrastructure and natural resources.

ENG 110 English 110

Academic organisation: English

Contact time: 2 web-based periods per week 1 dpw 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

*Alternative evening classes – 2 discussion classes per week

Introduction to literature in English (1)

This module introduces the study of literature by examining a number of texts representing different genres (poetry, prose, drama). The texts studied here will be mainly from the pre-twentieth century era and may include texts written in English from both Africa and other parts of the world. The aim of this module is to equip students with the critical and analytical skills required for a perceptive reading of poetry, novels and plays.

This module is offered by the Faculty of Humanities.

ENG 118 English 118

Academic organisation: English

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

This module is intended to equip students with a thorough knowledge of English grammar and is particularly useful for those interested in a career in teaching, editing, document design or other forms of language practice.

This module is offered by the Faculty of Humanities.

ENG 120 English 120

Academic organisation: English

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

Module content:

*Alternative evening classes – 2 discussion classes per week

Introduction to literature in English (2)

This module introduces the study of post-nineteenth century literature by examining a number of texts representing different genres (poetry, drama, prose). Texts will be from both Africa and other parts of the world. By the end of this module students should have the background and analytical skills to perceptively read modern and contemporary poetry, novels and plays.

This module is offered by the Faculty of Humanities.

ERF 222 Law of succession 221

Academic organisation: Private Law

Contact time: 1 tpw 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BA/BCom (Law)

- (a) Intestate succession
- (b) Testate succession
- (c) Administration of estates

FBS 110 Financial management 110

Academic organisation: Financial Management

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

*Only for BSc (Mathematical Statistics, Construction Management, Real Estate and Quantity Surveying) and BEng (Industrial Engineering) students

Purpose and functioning of financial management. Basic financial management concepts. Accounting concepts and the use of the basic accounting equation to describe the financial position of a business. Recording of financial transactions. Relationship between cash and accounting profit. Internal control and the management of cash. Debtors and short-term investments. Stock valuation models. Depreciation. Financial statements of a business. Distinguishing characteristics of the different forms of businesses. Overview of financial markets and the role of financial institutions. Risk and return characteristics of various financial instruments. Issuing ordinary shares and debt instruments.

FBS 112 Financial management 112

Academic organisation: Financial Management

Prerequisite: To be taken concurrently with WST 111

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

*Only for BSc (Actuarial and Financial Mathematics and Mathematical Statistics) and BCom (Statistics) students

Key principles of financial management. Company ownership. Taxation. Introduction to financial statements. Structure of financial statements. Depreciation and reserves. Preparing financial statements. Group financial statements and insurance company financial statements. Interpretation of financial statements. Limitation of financial statements. Issue of share capital.

FBS 120 Financial management 120

Academic organisation: Financial Management

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

*Only for BSc (Mathematical Statistics, Construction Management, Real Estate and Quantity Surveying) students

Analysis of financial statements. Budgeting and budgetary control. Tax principles and normal income tax for individuals. Time value of money and its use for financial and investment decisions. Calculating the cost of capital and the financing of a business to maintain the optimal capital structure. Capital investment decisions and a study of the financial selection criteria in the evaluation of capital investment projects. The dividend decision and an overview of financial risk management.

FBS 121 Financial management 121

Academic organisation: Financial Management

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*Only for BCom (Accounting Sciences) students

Introduction to management accounting, critical reasoning skills and problem-solving techniques for management accounting, cost concepts, simple linear regression analysis for the purpose of forecasting future sales volumes and costs, time-series analysis for the purpose of forecasting future sales volumes; Indexing for the purposes of inflating and deflating a set of financial data, introduction to financial management, the functioning of the financial markets including interest rate and foreign exchange mechanisms, mathematics for business including time value of money calculations, and the critical reasoning skills and problem-solving techniques in a financial management context. Where appropriate spread sheet applications (Excel) will be addressed as part of the respective topics being covered.

FBS 122 Financial management 122

Academic organisation: Financial Management

Prerequisite: To be taken concurrently with WST 121

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

*Only for BSc (Actuarial and Financial Mathematics and Mathematical Statistics) and BCom (Statistics) students.

Financial instruments. Use of financial derivatives. Financial institutions. Time value of money. Component cost of capital. Weighted average cost of capital. Capital structure and dividend policy. Capital project appraisal. Evaluating risky investments.

FBS 200 Financial management 200

Academic organisation: Financial Management

Prerequisite: FRK 100 or FRK 101

Contact time: 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 32

Module content:

*Only for BCom (Accounting Sciences) students

The purpose and functioning of management accounting, cost classification. The determination of product costs including raw material costs, labour costs, overheads and the allocation thereof according to traditional and activity-based costing methods, inventory management, the accumulation of costs according to job and process costing systems, the treatment of joint and by-products and the determination of costs according to a direct and absorption costing approach.

Decision making with reference to cost-volume-profit ratios, relevant costs, risk and uncertainty, decision trees, linear programming and capital investment budgets. Planning and control through the application of quantitative techniques, budgets and standard costing.

FBS 210 Financial management 210

Academic organisation: Financial Management

Prerequisite: FRK 111 and 121 or FRK 100 or 101 and simultaneously registered for FRK 211; STK 110, STK 120 or FBS 121

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

*Only for BCom (Financial Management Sciences, Financial Sciences, Investment Management, Internal Auditing and Law) students.

Framework and purpose of financial management; understanding financial statements; analysis of financial statements for decision making; time value of money; risk and return relationships; business valuation; short-term planning; current asset management.

FBS 212 Financial management 212

Academic organisation: Financial Management

Prerequisite: FRK 111 and 121/122 or FRK 100 or FRK 101

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Role and environment of financial management; financial statement analysis; cash flow and financial planning; time value of money; risk and return. Capital investment decisions; working capital management.

FBS 220 Financial management 220

Academic organisation: Financial Management

Prerequisite: FRK 211 GS; STK 110, STK 120

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

*Only for BCom (Financial Management Sciences, Financial Sciences, Investment Management, Internal Auditing and Law) students.

The purpose and function of management accounting, cost classification; the determination of product costs including raw material costs, labour costs, overheads and its allocation according to traditional and activity-based costing methods, inventory management, the accumulation of costs according to job and process costing systems, the treatment of joint and by-products and the determination of costs according to a direct and absorption costing approach; decision making with reference to cost-volume-profit ratios.

FBS 222 Financial management 222

Academic organisation: Financial Management

Prerequisite: FRK 111 and 122 or 121 or FRK 100 or FRK 101

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Introduction to management accounting; cost terms, concepts and classifications; job-order costing; process costing; cost behaviour; variable versus absorption costing; cost-volume profit relationships; budgeting.

FBS 300 Financial management 300

Academic organisation: Financial Management

Prerequisite: FBS 200

Contact time: 4 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

*Only for BCom (Accounting Sciences) students

The purpose and functioning of management accounting, cost classification. The determination of product costs including raw material costs, labour costs, overheads and its allocation according to traditional and activity-based costing methods, the accumulation of costs according to job and process costing systems, the treatment of joint and by-products and the determination of costs according to a direct and absorption costing approach. Decision making with reference to cost-volume-profit ratios, relevant costs, risk and uncertainty, decision trees, linear programming and capital investment budgets, principles of project management. Planning and control through the application of quantitative techniques, budgets and standard costing. Performance measurement by means of the principles of responsibility accounting and the determination of transfer prices. Financial management by taking cognisance of the purpose of financial management, working capital management, financing decisions, cost of capital, dividend policy, capital structure decisions, share valuation. The student should be capable of applying the underlying theory to advance case studies.

FBS 310 Financial management 310

Academic organisation: Financial Management

Prerequisite: Admission to the examination in FBS 220; FRK 211, FRK 221

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

*Only for BCom (Financial Management Sciences, Financial Sciences, Investment Management, Internal Auditing and Law) students.

Relevant costs; standard costing with reference to application and evaluation; preparation and evaluation of plans, budgets and forecasts; techniques for allocating and managing resources; costing and accounting systems evaluation; techniques used in management decision making; new developments in business and management accounting; case study perspective.

Cost management; strategic management accounting; cost estimation and cost behaviour; quantitative models for stock control; application of linear programming in management accounting; various management accounting techniques.

FBS 320 Financial management 320

Academic organisation: Financial Management

Prerequisite: FBS 210

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

*Only for BCom (Financial Management Sciences, Financial Sciences, Investment Management, Internal Auditing and Law) students.

Cost of capital; determination of capital requirements and the financing of a business to maintain the optimal capital structure; the investment decision and the study of financial selection criteria in the evaluation of capital investment projects; impact of inflation and risk on capital investment decisions; evaluation of leasing decisions; dividend decisions; international financial management. Valuation principles and practices: an introduction to security analysis; hybrids and derivative instruments, mergers and acquisitions.

FIL 251 Introduction to moral and political philosophy 251

Academic organisation: Philosophy

Contact time: 2 lpw

Period of presentation: Quarter 2, 3 and 4

Language of tuition: Double Medium

Credits: 10

Module content:

In this module students are equipped with an understanding of the moral issues influencing human agency in economic and political contexts. In particular philosophy equips students with analytical reasoning skills necessary to understand and solve complex moral problems related to economic and political decision making. We demonstrate to students how the biggest questions concerning the socio-economic aspects of our lives can be broken down and illuminated through reasoned debate. Examples of themes which may be covered in the module include justice and the common good, a moral consideration of the nature and role of economic markets on society, issues concerning justice and equality, and dilemmas of loyalty. The works of philosophers covered may for instance include that of Aristotle, Locke, Bentham, Mill, Kant, Rawls, Friedman, Nozick, Bernstein, Dworkin, Sandel, Walzer, and MacIntyre.

This module is offered by the Faculty of Humanities.

FRK 100 Financial accounting 100

Academic organisation: Accounting

Prerequisite: Acceptable performance in the compulsory accounting proficiency test; Reg 1.2(d)

Contact time: 4 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

Module content:

*Only available for BCom (Accounting Sciences) students

(This is a core module for BCom (Accounting Sciences) that forms part of the CA Programme. Modules are compiled and presented taking cognisance of the requirements of the SAICA syllabus.)

An introduction to the conceptual framework (theory of accounting); the accounting equation; value added tax; discounts, control accounts; revenue; inventory; property, plant and equipment; cash and cash equivalents; investments; borrowings; the processing of data from subsidiary journals to trial balance; annual financial statements of sole proprietors; departmental accounts; tracing and correction of errors; incomplete records; branch accounting; entities without profit motive; permanent partnerships; changes in partnerships; partnership accounts; close corporations; companies; manufacturing entities; interest calculations; insurance claims; analysis and interpretation of financial statements using a cash flow statement.

A technical ability to apply the aforementioned knowledge to complex problems is essential.

FRK 101 Financial accounting 101

Academic organisation: Accounting

Prerequisite: Reg 1.2(d)

Contact time: 6 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

Module content:

*Only available for BCom (Accounting Sciences) students

*Students who registered for FRK 101 in a previous academic year and did not pass the module, are only allowed to register for FRK 101 again if they achieved less than 35% for the module and may, with a mark below 35%, not register for FRK 100.

(This is a core module for BCom (Accounting Sciences) that forms part of the CA Programme. Modules are compiled and presented taking cognisance of the requirements of the SAICA syllabus.)

An introduction to the conceptual framework (theory of accounting); basic accounting equation; value added tax; discounts, revenue; accounting procedures from source documents via subsidiary journals to general ledger and trial balance; annual financial statements of a sole proprietorship; adjustments to financial statements; control accounts; departmental accounts; bank reconciliation statements; inventory; property, plant and equipment; cash and cash equivalents; investments; borrowings; interest calculations; insurance claims; entities without profit motive; branch accounting; permanent partnerships; partnership accounts; changes in partnerships; close corporations; companies; analysis and interpretation of financial statements using a cash flow statement; manufacturing entities; tracing and correction of errors; incomplete records. A technical ability to apply the aforementioned knowledge to complex problems is essential.

FRK 111 Financial accounting 111

Academic organisation: Accounting

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

The nature and function of accounting; the development of accounting; financial position; financial result; the recording process; processing of accounting data; treatment of VAT; elementary income statement and balance sheet; flow of documents; accounting systems; introduction to internal control and internal control measures; bank reconciliations; control accounts; adjustments; financial statements of a sole proprietorship; the accounting framework.

FRK 121 Financial accounting 121

Academic organisation: Accounting

Prerequisite: FRK 111 GS

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Property, plant and equipment; intangible assets; inventories; liabilities; presentation of financial statements; enterprises without profit motive; partnerships; companies; close corporations; cashflow statements; analysis and interpretation of financial statements.

FRK 122 Financial accounting 122

Academic organisation: Accounting

Prerequisite: FRK 111 GS or FRK 133, FRK 143

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Budgeting, payroll accounting, taxation – income tax and an introduction to other types of taxes, credit and the new Credit Act, insurance, accounting for inventories (focus on inventory and the accounting entries, not calculations), interpretation of financial statements.

FRK 133 Financial accounting 133

Academic organisation: Accounting

Prerequisite: As for the BSc (IT), BIS (MM) Four-year programmes and BCom (Four-year programme)

Contact time: 4 lpw Foundation Course

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

The nature and function of accounting; the development of accounting; financial position; financial performance; flow of documents; the recording process; processing of accounting data; treatment of VAT; elementary statement of comprehensive income (income statement) and statement of financial position (balance sheet).

FRK 143 Financial accounting 143

Academic organisation: Accounting

Prerequisite: As for the BSc (IT), BIS (MM) Four-year programmes and BCom (Four-year programme); FRK 133

Contact time: 4 lpw Foundation Course

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Accounting systems; introduction to internal control and internal control measures; bank reconciliations; control accounts; adjustments; preparing the financial statements of a sole proprietorship; the accounting framework.

FRK 201 Financial accounting 201

Academic organisation: Accounting

Prerequisite: FRK 100 or FRK 101

Contact time: 4 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 32

Module content:

*Only for BCom (Accounting Sciences) students

(This is a core module for BCom (Accounting Sciences) that forms part of the CA Programme. Modules are compiled and presented taking cognisance of the requirements of the SAICA syllabus.)

Preparation and presentation of company annual financial statements in compliance with the requirements of the Companies Act and Statements of Generally Accepted Accounting Practice relating to the following: the presentation of financial statements; revenue; inventory; property, plant and equipment; investment properties; impairment (of individual assets); provisions; leases; events after the balance sheet date; earnings per share; accounting policies, changes in accounting estimates and errors; certain aspects of financial instruments. Introduction to consolidations, including basic consolidation techniques for both wholly-owned and partly-owned subsidiaries. Certain aspects of the Companies Act, including directors' emoluments and Schedule 4.

A technical ability to apply the aforementioned knowledge to complex problems is essential.

FRK 211 Financial accounting 211

Academic organisation: Accounting

Prerequisite: FRK 111 and FRK 121 or FRK 100/101

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Preparation and presentation of company annual financial statements in compliance with the requirements of the Companies Act, the Framework and Statements of Generally Accepted Accounting Practice relating to the following: presentation of financial statements; revenue; investments; provisions, contingent liabilities and contingent assets; events after the balance sheet date; inventories; income taxes; leases; property, plant and equipment; impairment of assets; intangible assets; investment property, changes in accounting estimates and errors; introduction to financial instruments.

FRK 221 Financial accounting 221

Academic organisation: Accounting

Prerequisite: FRK 211 GS

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Preparation and presentation of company annual financial statements in compliance with the requirements of Statements of Generally Accepted Accounting Practice relating to the following: employee benefits; the effects of changes in foreign exchange rates; accounting policies; earnings per share; cashflow statements; interests in joint ventures. Branch accounting. Introduction to consolidations, including basic consolidation techniques for both wholly-owned and partly-owned subsidiaries. Introduction to public sector accounting.

FRK 300 Financial accounting 300

Academic organisation: Accounting

Prerequisite: FRK 201

Contact time: 5 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

*Only for BCom (Accounting Sciences) students

(This is a core module for BCom (Accounting Sciences) that forms part of the CA Programme. Modules are compiled and presented taking cognisance of the requirements of the SAICA syllabus.)

Revision of work covered in FRK 201 and application of this knowledge to advanced problems. Preparation and presentation of company annual financial statements in compliance with the requirements of Statements of Generally Accepted Accounting Practice relating to the following: income taxes; leases (including sale and leaseback transactions); property, plant and equipment; investment properties; provisions; events after the balance sheet date; earnings per share (including headline earnings); intangible assets; impairment (including introduction to cash generating units); government grants; the effects of changes in foreign exchange rates (including hedge accounting); borrowing costs; employee benefits; non-current assets held for sale and discontinued operations; associates; joint ventures; cashflow statements; further aspects of financial instruments. Complex consolidation issues, including intra-group transactions; dividends; preference shares; revaluations; horizontal, vertical and mixed groups; insolvent subsidiaries; the acquisition of an additional interest. Analysis and interpretation of financial statements, as well as changes in capital structures.

A technical ability to apply the aforementioned knowledge to complex problems is essential.

FRK 311 Financial accounting 311

Academic organisation: Accounting

Prerequisite: FRK 211, FRK 221 and INF 281

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Preparation and presentation of company annual financial statements in compliance with the requirements of Statements of Generally Accepted Accounting Practice relating to the

following: income taxes; property, plant and equipment; impairment; non-current assets held for sale; intangible assets; investment property; borrowing costs; leases; accounting policies; changes in accounting estimates and errors; segment reporting; certain aspects of financial instruments.

FRK 321 Financial accounting 321

Academic organisation: Accounting

Prerequisite: FRK 311 GS and INF 281

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Preparation and presentation of company annual financial statements in compliance with the requirements of Statements of Generally Accepted Accounting Practice relating to the following: the effects of changes in foreign exchange rates; earnings per share; related party disclosure; associates. Complex consolidation issues, including intra-group transactions; dividends; preference shares; revaluations; horizontal, vertical and mixed groups; insolvent subsidiaries; change of interest; consolidated cashflow statement.

GES 110 History 110

Academic organisation: Historical and Heritage Studies

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

The Western world: a survey

A broad historical overview from 3000 BC to 2000 AD. It focuses on the major historical episodes including the Ancient period, Middle Ages, Renaissance, rise of modern states, World Wars, Cold War and subsequent developments. It considers the forces of revolution, liberalism, nationalism and various other 20th century ideologies.

This module is offered by the Faculty of Humanities.

GES 120 History 120

Academic organisation: Historical and Heritage Studies

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Africa and South Africa: a survey

An overview focusing on the making of African and South African societies from the earliest times to the present with emphasis on the most significant historical forces, factors and events.

This module is offered by the Faculty of Humanities.

IAD 120 International Administration 120

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students

Introduction to international Public Administration. Internationalisation and globalisation –

an overview of 20th century international relations. Management and administration in an international context.

IAD 220 International Administration 220

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

*Only available for BAdmin [Option: Public Administration] students.

Role and function of international organisations: An administrative and management review of United Nations, International Monetary Fund, World Bank, World Trade Organisation and United Nations Development Programme. Role and function of the South African Department of International Relations and Cooperation.

IAD 320 International Administration 320

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

*Only available for BAdmin [Option: Public Administration] students

The module describes the role and function of present-day international organisations. Specific emphasis is placed on organisations with an African focus, including the following:

- African Union
- Economic Commission for Africa
- New Partnership for Africa's Development
- Southern African Development Community

IAS 211 Actuarial mathematics 211

Academic organisation: Insurance and Actuarial Science

Prerequisite: Both WTW 114 and WTW 128 (60%)

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Accumulation functions, interest, time value of money, compounding periods, cash flow models, equations of value, annuities certain, continuous time application, life tables, derivation of contingent probabilities from life tables, contingent payments, loan schedules, performance measurement, valuation of fixed interest securities.

This module is offered by the Faculty of Natural and Agricultural Sciences.

IAS 282 Financial mathematics 282

Academic organisation: Insurance and Actuarial Science

Prerequisite: IAS 211 (70%) or TDH

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

Module content:

Generalised cash-flow model. The time value of money. Interest rates. Discounting and accumulating. Compound interest functions. Equations of value. Loan schedules. Project appraisal. Investments. Simple compound interest problems. The "No Arbitrage"

assumption and forward contracts. Term structure of interest rates. Stochastic interest rate models.

This module is offered by the Faculty of Natural and Agricultural Sciences.

IAS 382 Actuarial modelling 382

Academic organisation: Insurance and Actuarial Science

Prerequisite: IAS 282

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

Principles of actuarial modelling and stochastic processes. Markov chains and continuous-time Markov jump processes. Simulation of stochastic processes. Survival models and the life table. Estimating the lifetime distribution $F_x(t)$. The Cox regression model. The two-state Markov model. The general Markov model. Binomial and Poisson models. Graduation and statistical tests. Methods of graduation. Exposed to risk. The evaluation of assurances and annuities. Premiums and reserves.

This module is offered by the Faculty of Natural and Agricultural Sciences.

INF 112 Informatics 112

Academic organisation: Informatics

Prerequisite: Refer to Regulation 1.2(e); or both STK 113 (60%), STK 123 (60%) or STK 110

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Introduction to information systems, information systems in organisations, hardware: input, processing, output, software: systems and application software, organisation of data and information, telecommunications and networks, the Internet and Intranet. Transaction processing systems, management information systems, decision support systems, information systems in business and society, systems analysis, systems design, implementation, maintenance and revision.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 154 Informatics 154

Academic organisation: Informatics

Prerequisite: Refer to Regulation 1.2(f)

Contact time: 1 lpw 2 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Introduction to programming.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 164 Informatics 164

Academic organisation: Informatics

Prerequisite: INF 154; Regulation 1.2(f), AIM 101 or AIM 111 and AIM 121

Contact time: 1 lpw 2 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Advanced programming, use of a computer-aided software engineering tool.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 171 Informatics 171

Academic organisation: Informatics

Prerequisite: Regulation 1.2(f)

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

General systems theory, creative problem solving, soft systems methodology. The systems analyst, systems development building blocks, systems development, systems analysis methods, process modelling.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 214 Informatics 214

Academic organisation: Informatics

Prerequisite: AIM 101 or AIM 111 and AIM 121

Contact time: 3 lpw 2 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 14

Module content:

Database design: the relational model, structured query language (SQL), entity relationship modelling, normalisation, database development life cycle; practical introduction to database design. Databases: advanced entity relationship modelling and normalisation, object-oriented databases, database development life cycle, advanced practical database design.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 225 Informatics 225

Academic organisation: Informatics

Prerequisite: AIM 101 or AIM 111 and AIM 121, INF 171 and INF 164

Contact time: 2 dpw 1 ppw 1 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 14

Module content:

An overview of systems infrastructure and integration.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 261 Informatics 261

Academic organisation: Informatics

Prerequisite: INF 214

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 7

Module content:

Database management: transaction management, concurrent processes, recovery, database administration: new developments: distributed databases, client-server databases: practical implementation of databases.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 264 Informatics 264

Academic organisation: Informatics

Prerequisite: AIM 101 or AIM 111 and AIM 121 and INF 112

Contact time: 1 lpw 2 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

Application of spreadsheets and query languages in an accounting environment.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 271 Informatics 271

Academic organisation: Informatics

Prerequisite: AIM 101 or AIM 111 and AIM 121, INF 171, INF 164

Contact time: 1 ppw 2 dpw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 14

Module content:

Systems analysis. Systems design: construction; application architecture; input design; output design; interface design; internal controls; program design; object design; project management; system implementation; use of computer-aided development tools.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 272 Informatics 272

Academic organisation: Informatics

Prerequisite: AIM 101 or AIM 111 and AIM 121, INF 171 and INF 164; Reg 1.2(f), Reg IT.3(g)

Contact time: 5 web-based periods per week 1 dpw 2 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 14

Module content:

Use of computer-aided development tools; advanced programming.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 281 Informatics 281

Academic organisation: Informatics

Prerequisite: FRK 111, FRK 121 or FRK 100 or FRK 101

Contact time: 2 ppw

Period of presentation: Semester 1 or Semester 2

Language of tuition: English

Credits: 3

Module content:

Computer processing of accounting information.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 301 Informatics 301

Academic organisation: Informatics

Prerequisite: INF 214, INF 225, INF 261, INF 271 and INF 272

Contact time: 6 lpw 4 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 80

Module content:

*INF 301 is a module that combines INF 315, INF 324, INF 354 and INF 370. Students register for all these modules, but receive a calculated percentage for INF 301.

A review of current trends which are relevant to the application of information systems within a business environment. Information systems in organisations, social and ethical responsibilities, the role of the Informatician. IT end-user relationships; IT management. Advanced programming. Application of systems analysis and design in a practical project; programming; use of computer-aided development tools.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 315 Informatics 315

Academic organisation: Informatics

Prerequisite: INF 261, INF 225, INF 271 and INF 272

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

A review of current trends which are relevant to the application of information systems within a business environment.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 324 Informatics 324

Academic organisation: Informatics

Prerequisite: INF 261, INF 225, INF 271 and INF 272

Contact time: 3 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

Information systems in organisations, social and ethical responsibilities, the role of the Informatician. IT end-user relationships; IT management.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 354 Informatics 354

Academic organisation: Informatics

Prerequisite: INF 261, INF 225, INF 271 and INF 272

Contact time: 2 lpw 2 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

Advanced programming.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

INF 370 Informatics 370

Academic organisation: Informatics

Prerequisite: INF 261, INF 225, INF 271 and INF 272

Contact time: 2 lpw 2 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 30

Module content:

Application of systems analysis and design in a practical project; programming; use of computer-aided development tools.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

IOK 211 Internal auditing 211

Academic organisation: Auditing

Prerequisite: FRK 111 and FRK 121

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Introduction to the audit environment. Nature, objectives, history and development of internal auditing. The internal auditing profession and the role of the Institute of Internal Auditors (IIA). Ethical code and standards of internal auditors (IPPF). An organisation's internal control environment and internal control systems. Introduction to Information Technology (IT). General controls and application controls frameworks. The internal audit process and tools and techniques used during the audit. Introduction to sampling.

IOK 221 Internal auditing 221

Academic organisation: Auditing

Prerequisite: IOK 211 GS

Contact time: 1dpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Introduction to corporate governance. Relationship between internal auditing and other related disciplines and individuals. Background to external auditing. Internal and external audit approaches. The identification of weaknesses, risks and controls for the revenue and procurement systems. in the system. The audit of internal control systems and the audit of financial statements.

IOK 311 Internal auditing 311

Academic organisation: Auditing

Prerequisite: IOK 211 and IOK 221

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

General and application IT controls. The identification of weaknesses, risks and controls for the inventory, bank and cash systems. Statistical sampling. The audit of internal control systems and the audit of financial statements. Internal audit and external audit reports.

IOK 321 Internal auditing 321

Academic organisation: Auditing

Prerequisite: IOK 311 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

The identification of weaknesses, risks and controls for the payroll system and health and safety environment. The audit of internal control systems and the audit of financial statements. Computer Assisted Audit Techniques (CAATS). Introduction to performing an operational/performance audit. Relevant legislation and other guidelines that affect the internal audit profession. Introduction to the public sector internal audit environment.

IPL 210 International relations 210

Academic organisation: Political Sciences

Prerequisite: PTO 111 GS, PTO 120 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

International theory and organisation

What cause war and peace? Can international order and justice be reconciled? Does the international structure matter? The answers depend on the theoretical lenses through which world politics are viewed. An overview is provided of competing theoretical perspectives of international relations. It includes mainstream and alternative perspectives, as well as the underlying ideas, theories and variants of each. These theories also propose different approaches to global peace, amongst others peace through international organisation. A comprehensive analysis is made of selected international organisations with a universal or regional scope, such as the United Nations, the African Union and the Southern African Development Community, and of international law that underpins these organisations and their activities.

This module is offered by the Faculty of Humanities.

IPL 220 International relations 220

Academic organisation: Political Sciences

Prerequisite: PTO 111 GS, PTO 120 GS, IPL 210 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

Foreign policy and diplomacy

A short introduction to the study of foreign policy is followed by an explanation of the use of the comparative method and a framework for foreign policy analysis and evaluation. This allows for a comparative study of the foreign policies of selected states from the major regions of the world, amongst others of South African foreign policy. In each case study the policy environment, the formulation and implementation processes, as well as the substance of the particular state's foreign policy are covered. Thereafter the focus narrows to diplomacy: the oldest, most versatile and universally used instrument of foreign policy. The nature, history, modes of diplomacy and legal framework of the institution are explored. Examples are drawn from global practice, with specific consideration of the evolution of diplomatic practice within the African and South African context. *This module is offered by the Faculty of Humanities.*

IPL 310 International relations 310

Academic organisation: Political Sciences

Prerequisite: PTO 111, PTO 120, IPL 210 GS, IPL 220 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 30

Module content:

International political economy

The nature and functioning of the contemporary international political-economic order are analysed against the background of the process of globalisation. The focus is on the interaction of political and economic trends and issues such as the economic importance and political impact of regional trade blocs; the debt burden of states; international aid; the role and influence of multinational corporations; and the transfer of technology to less-developed countries; the rise of new economic powers in the Global South; and global economic governance.

This module is offered by the Faculty of Humanities.

IPL 320 International relations 320

Academic organisation: Political Sciences

Prerequisite: PTO 111, PTO 120, IPL 210 GS, IPL 220 GS, IPL 310 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 30

Module content:

Security and strategic studies

A study of traditional and contemporary approaches to security and strategy. Attention is paid to new theories on war, security and strategy; military and non-military security issues and threats; the national security of developing states; as well as the relationship between policy, strategy and tactics. The latter includes an introductory overview of the nature, levels, patterns, forms and instruments of strategy and of the laws of war. The national, regional and continental security situation in Africa and modes of multilateral security cooperation in particular are analysed, also in relation to extra-continental trends. Regarding the aforesaid, emphasis is placed on the legal and institutional framework, national security policy and strategic posture of South Africa.

This module is offered by the Faculty of Humanities.

ISR 310 Insolvency law 310

Academic organisation: Mercantile Law

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*For LLB and BCom (Law)

- (a) General introduction and historical background
- (b) The process of sequestration
- (c) Effects of sequestration
- (d) Voidable and void dispositions
- (e) Overview of administration of insolvent estates
- (f) Composition, rehabilitation and offences
- (g) Liquidation of insolvent companies and closed corporations

This module is offered by the Faculty of Law.

JCP 202 Community-based project 202

Academic organisation: Informatics

Contact time: 1 other per week

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

This project-oriented module is a form of applied learning which is directed at specific community needs and is integrated into all undergraduate academic programmes offered by the Faculty of Engineering, Built Environment and Information Technology.

The main objectives with the module are as follows:

- (1) The execution of a community-related project aimed at achieving a beneficial impact on a chosen section of society, preferably but not exclusively, by engagement with a section of society which is different from the student's own background.
- (2) The development of an awareness of personal, social and cultural values, an attitude to be of service, and an understanding of social issues, for the purpose of being a responsible professional.
- (3) The development of important multidisciplinary and life skills, such as communication, interpersonal and leadership skills.

Assessment in this module will include all or most of the following components: evaluation and approval of the project proposal, assessment of oral and/or written progress reports, peer assessment in the event of team projects, written report-back by those at which the project was aimed at, and final assessment on grounds of the submission of a portfolio and a written report.

This module is offered by the Faculty of Engineering, Built Environment and Information Technology.

JUR 110 Jurisprudence 110

Academic organisation: Jurisprudence

Contact time: 4 lpw 1 tpw

Period of Presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BA/BCom (Law)

The module has both a theoretical and skills component. All elements described below will encompass conceptual knowledge combined with practical application.

UNDERLYING JURISPRUDENTIAL ASPECTS OF LAW / THE LAW IN GENERAL

- (a) A first-year definition of law/the Law
 - (b) The relationships between law and society, law and history, law and politics, law and language
 - (c) Being a law student or lawyer in South Africa
 - (d) Introduction to different perspectives on the law
- THE SOUTH AFRICAN LEGAL SYSTEM AND ITS HISTORICAL DEVELOPMENT**
- SOURCES OF SOUTH AFRICAN LAW AND THEIR HISTORICAL DEVELOPMENT**
- (a) Introduction to characteristics and components of the South African legal system
 - (b) Mixed legal systems
 - (c) The South African Constitution and its historical development
 - (d) Customary law and its historical development
 - (e) Common law and its historical development
 - (f) Primary and other sources of modern South African law
 - (g) Applying the sources of law to a set of facts and relying on the sources of law to answer a jurisprudential question.

THE ABOVE CONTENT FORMS THE BASIS OF THE SKILLS COMPONENT (INCORPORATING ACADEMIC LITERACY SKILLS) WHICH CONSISTS OF:

- (a) Conducting research in the library
- (b) Finding, reading and applying the sources of law
- (c) Reading, understanding and summarising texts on topics of law
- (d) Analysing, criticising and improving ("edit") a piece of writing on the law in a theoretical sense; and
- (e) Writing a well-constructed essay or paragraph on legal problems and topics of law or legal history.

This module is offered by the Faculty of Law.

JUR 120 Jurisprudence 120

Academic organisation: Jurisprudence

Contact time: 4 lpw 1 tpw

Period of Presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BA/BCom (Law)

BASIC PRINCIPLES OF THE:

- (a) Law of obligations (contract and delict)
- (b) Criminal law
- (c) Law of civil procedure;
- (d) Law of criminal procedure; and
- (e) Law of evidence.

ACCESS TO JUSTICE:

- (a) Courts and alternative dispute resolution;
- (b) Legal profession; and
- (c) Access to justice and its promotion in South Africa (the idea, problems, representation in criminal matters, role of different organisations, etc).

THE ABOVE CONTENT FORMS THE BASIS OF THE SKILLS COMPONENT (INCORPORATING ACADEMIC LITERACY SKILLS) WHICH CONSISTS OF:

- (a) Drafting a simple contract based upon a set of facts (law of contract)
- (b) Reading, understanding, summarising a case on the law of delict and applying the principles of legal argument and logic to it
- (c) Summing up, analysing, criticising and improving ("edit") a piece of writing on the law of evidence
- (d) Understanding and applying the principles of examination in chief, cross-examination and re-examination to a concrete set of facts with a view to participation in a "moot court" or debate.

This module is offered by the Faculty of Law.

KOB 181 Communication management 181

Academic organisation: Division Communication Management Department Business Management

Contact time: 3 lpw

Period of presentation: Quarter 1

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

*Module content will be adapted in accordance with the appropriate degree programme. Only one of KOB 181–184 may be taken as a module where necessary for a programme.

Applied business communication skills

Acquiring basic business communication skills will enhance the capabilities of employees,

managers and leaders in the business environment. An overview of applied skills on the intrapersonal, dyadic, interpersonal, group (team), organisational, public and mass communication contexts is provided. The practical part of the module (for example, the writing of business reports and presentation skills) concentrates on the performance dimensions of these skills as applied to particular professions.

KOB 182 Communication management 182

Academic organisation: Division Communication Management Department Business Management

Contact time: 3 lpw

Period of presentation: Quarter 2

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

*Module content will be adapted in accordance with the appropriate degree programme. Only one of KOB 181– 84 may be taken as a module where necessary for a programme.

Applied business communication skills

Acquiring basic business communication skills will enhance the capabilities of employees, managers and leaders in the business environment. An overview of applied skills on the intrapersonal, dyadic, interpersonal, group (team), organisational, public and mass communication contexts is provided. The practical part of the module (for example, the writing of business reports and presentation skills) concentrates on the performance dimensions of these skills as applied to particular professions.

KOB 183 Communication management 183

Academic organisation: Division Communication Management Department Business Management

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

*Module content will be adapted in accordance with the appropriate degree programme. Only one of KOB 181–184 may be taken as a module where necessary for a programme.

Applied business communication skills

Acquiring basic business communication skills will enhance the capabilities of employees, managers and leaders in the business environment. An overview of applied skills on the intrapersonal, dyadic, interpersonal, group (team), organisational, public and mass communication contexts is provided.

The practical part of the module (for example, the writing of business reports and presentation skills) concentrates on the performance dimensions of these skills as applied to particular professions.

KOB 184 Communication management 184

Academic organisation: Division Communication Management Department Business Management

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

*Module content will be adapted in accordance with the appropriate degree programme. Only one of KOB 181–184 may be taken as a module where necessary for a programme.

Applied business communication skills

Acquiring basic business communication skills will enhance the capabilities of employees,

managers and leaders in the business environment. An overview of applied skills on the intrapersonal, dyadic, interpersonal, group (team), organisational, public and mass communication contexts is provided. The practical part of the module (for example, the writing of business reports and presentation skills) concentrates on the performance dimensions of these skills as applied to particular professions.

KOB 210 Communication management 210

Academic organisation: Division Communication Management Department Business Management

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Management communication

Based on the paradigm of Integrated Communication (IC), this module covers management communication theory, leadership and supervisory communication, as well as the management of change and transformation through communication. Management communication in the global arena focuses on the dynamics and celebration of diversity and intercultural relations.

Managers should take cognisance of the importance of development communication in both a business and community context. The importance of ethical considerations in managerial and leadership communication is emphasised. After explaining quantitative and qualitative research designs, appropriate communication research techniques are explored.

KOB 220 Communication management 220

Academic organisation: Division Communication Management Department Business Management

Prerequisite: KOB 210 GS

Contact time: 1 web-based period per week 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Organisational communication management

Through the utilisation of organisational communication management theories, a study is made of group and team communication, with specific emphasis on facilitation, negotiation and innovation. Knowledge management, internal communication, culture and organisational climate are core components of the complex dynamics of the sharing of meaning within the organisation. The function of strategic communication is emphasised throughout. Ethical considerations in organisational communication management are also stressed and appropriate research techniques are presented.

KOB 310 Communication management 310

Academic organisation: Division Communication Management Department Business Management

Prerequisite: KOB 210 or KOB 220 with a GS in the other

Contact time: 1 web-based period per week 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Strategic communication management

Integrated Communication (IC) presupposes the alignment and subsequent

implementation of the enterprise, corporate and corporate communication strategies of the organisation. The corporate positioning that results from these strategies is communicated through the organisation's unique reputation, image, identity and brand. Environmental scanning furthermore enables the organisation to identify and address issues, risks and possible crises that can influence this positioning. Current corporate governance thinking supports the principle of a symbiotic relationship between business and society by emphasising economic, environmental and social sustainability (the triple bottomline). This culminates in a new realisation of the organisation's corporate social responsibility and its role as a corporate citizen. Ethics in strategic management are highlighted and applicable research techniques are analysed.

KOB 320 Communication management 320

Academic organisation: Division Communication Management Department Business Management

Prerequisite: KOB 210 or KOB 220 with a GS in the other, KOB 310 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Strategic relationship management

The strategic management of internal and external relationships is essential for the organisation's "licence to operate". Stakeholder theories provide a framework for managing relationships with stakeholders such as employees, investors, media and the government. The growing significance and potential impact of activism on organisational performance, justifies the management of such pressure groups through communication. Deontological and teleological ethical approaches are investigated in the strategic management of relationships. The complexity of ethical decision making in the modern business environment, as well as anti-ethics and African ethics amongst others, are also studied. Perception, social and stakeholder audits are examples of idiosyncratic research designs undertaken in strategic reputation management.

KOB 356 Integrated practical communication project 356

Academic organisation: Division Communication Management Department Business Management

Prerequisite: KOB 210 or KOB 220 with a GS in the other

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

* Only for BCom (Communication Management) students

Students will be required to develop and suggest the implementation of a communication strategy for a particular client. This process entails thorough research by means of continuous liaising with the client. Students will present the integrated practical project supported by a written proposal. Lecturers and representatives from the client will assess the projects.

KRG 110 Commercial law 110

Academic organisation: Mercantile Law

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

General introduction.

General principles of the law of contract: introduction to the law of contract; consensus; contractual capacity; legality and physical possibility of performance; formalities; parties to the contract; conditions and related legal concepts; special terms and the interpretation of contracts; breach of contract and the termination of the contractual relationship.

This module is offered by the Faculty of Law.

KRG 120 Commercial law 120

Academic organisation: Mercantile Law

Prerequisite: Examination entrance to KRG 110

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Law of purchase and sale; law of lease; credit agreements; law of agency; law of security.

This module is offered by the Faculty of Law.

KRG 200 Commercial law 200

Academic organisation: Mercantile Law

Prerequisite: KRG 120

Contact time: 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

Module content:

Company law, law concerning close corporations, law of partnerships, labour law, law of arbitration and transport, law of insurance, law concerning negotiable documents, law of insolvency, law of succession and trusts.

This module is offered by the Faculty of Law.

KTH 220 Specific contracts 220

Academic organisation: Mercantile Law

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB, BCom (Law)

- (a) Law of purchase and sale
- (b) Law of letting and hiring of things
- (c) Law of agency
- (d) Law of surety
- (e) Law of letting and hiring of work

This module is offered by the Faculty of Law.

KTR 211 Law of contract 211

Academic organisation: Private Law

Contact time: 2 tpw 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BA/BCom specialising in law

- (a) General principles of the law of obligations

- (b) Formation of the contract
- (c) Content of the contract
- (d) Interpretation of written contracts
- (e) Breach of contract
- (f) Remedies for breach of contract
- (g) Termination of contractual obligations
- (h) Drafting of contracts

LEK 210 Introduction to agricultural economics 210

Academic organisation: Agricultural Economics, Extension and Rural Development

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 12

Module content:

Introduction to financial management in agriculture: Farm management and agricultural finance, farm management information; analysis and interpretation of farm financial statements; risk and farm planning. Budgets: partial, break-even, enterprise, total, cash flow and capital budgets. Time value of money. Introduction to production and resource use: the agricultural production function, total physical product curve, marginal physical product curve, average physical product curve, stages of production. Assessing short-term business costs; Economics of short-term decisions. Economics of input substitution: Least-cost use of inputs for a given output, short-term least-cost input use, effects of input price changes. Least-cost input use for a given budget. Economics of product substitution. Product combinations for maximum profit. Economics of crop and animal production.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 220 Agricultural economics 220

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: LEK 210 or EKN 113 and/or EKN 120

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 12

Module content:

The agribusiness system; the unique characteristics of agricultural products; marketing functions and costs; market structure; historical evolution of agricultural marketing in South Africa. Marketing environment and price analysis in agriculture: Introduction to supply and demand analysis. Marketing plan and strategies for agricultural commodities; market analysis; product management; distribution channels for agricultural commodities, the agricultural supply chain, the agricultural futures market.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 310 Agricultural economics 310

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: LEK 210 or [EKN 110 and EKN 120]

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Historical evolution of South African agricultural policy. Agriculture and the state: reasons for government intervention. Theoretical aspects of agricultural policy. Introduction to agricultural policy analysis. Welfare principles, pareto optimality. Macroeconomic policy

and the agricultural sector. International agricultural trade.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 320 Agricultural economics 320

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: LEK 210, LEK 220

Contact time: 2 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 18

Module content:

The modern food and agribusiness system. Key drivers in the global context. Whole farm planning and budget development The financial analysis of farm financial, financial modelling, the financing decision: capital acquisition, creditworthiness, different capital sources, capital structures. The investment decision and working capital management. Value chains in agribusiness. Risk management. Strategic management and marketing principles in agribusiness. Operational management and human resources management. Business planning for agribusiness.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 410 Agricultural market and price analysis 410

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: LEK 210, LEK 220 and STK 281

Contact time: 3 lpw 2 ppw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 24

Module content:

This module will focus on the fundamentals of demand, supply and agricultural price analysis. After providing an appropriate background in the theoretical concepts of demand and supply these basics will be applied in the generation of econometric simulation models. This will include the identification of supply and demand shifters as well as the elasticities, flexibilities, and impact multipliers. Practical experience in the formulation of these models will be attained from practical sessions. The student will submit a project in which he/she must analyse the demand or supply patterns of a commodity of his/her choice by generating an econometric model. Agricultural Price analysis: price determination under different market structures followed by practical sessions on measuring market structures in various ways. This will include the calculation of market concentration. Price trend analysis and measurement of price changes by using indexes, and especially seasonal indexing. All of this will be supported by the relevant practical sessions.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 415 Agricultural economics 415

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: EKN 110, LEK 220 and WTW 134

Contact time: 3 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 18

Module content:

Derivative instruments in agriculture: To prepare students for taking the SAFEX Agricultural Markets Division brokerage exam. Giving an in-depth knowledge on the importance of hedging. Giving an in-depth knowledge on designing and implementation of low/zero risk hedging strategies. Introduction to the mathematics of portfolio

management and mathematical modelling of derivatives. Working knowledge of the mathematical relationships in the management of a hedged portfolio. Working knowledge on the applicable software for managing derivative portfolios. Introduction into the management of option portfolios. To expand the thinking on the uses of derivatives, by also dealing with the hedging of diesel cost, interest rates and weather events.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 421 Agricultural economics 421

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: LEK 410, STK 210 and STK 281

Contact time: 2 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 24

Module content:

Price and production function analysis. Input-output, input-input and product-product relationships; profit maximization; the production process through time, economies of size; decision making in agriculture under risk and uncertain circumstances; linear programming.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LEK 424 Introduction to resource economics 424

Academic organisation: Agricultural Economics, Extension and Rural Development

Prerequisite: LEK 210

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 15

Module content:

This module reviews the origins and evolution of natural and environmental resource economics and its present-day main paradigms. Sources of externalities and causes of environmental degradation are examined. An introduction to the concepts and methods backing the design and implementation of environmental policies are provided. Economic valuation of natural and environmental resources is introduced.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LST 133 Language, life and study skills 133

Academic organisation: Natural and Agricultural Sciences Dean's Office

Prerequisite: As for BSc (Four-year programme) and BCom (Four-year programme)

Contact time: 3 dpw 1lpw Foundation Course

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

In this module students use different information and time management strategies, build academic vocabulary, revise basic grammar concepts and dictionary skills, examine learning styles, memory and note-taking techniques, practise academic reading skills and explore basic research and referencing techniques, learn how to use discourse markers and construct definitions, and are introduced to paragraph writing. The work is set in the context of the students' field of study.

This module is offered by the Faculty of Natural and Agricultural Sciences.

LST 143 Language, life and study skills 143

Academic organisation: Natural and Agricultural Sciences Dean's Office

Prerequisite: LST 133

Contact time: 3 dpw 1 lpw Foundation Course

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

In this module students learn how to interpret and use visual literacy conventions. Students write more advance paragraphs, and also learn how to structure academic writing, how to refine their use of discourse markers and referencing techniques and how to structure their own academic arguments. Students' writing is expected to be rational, clear and concise. As a final assignment all aspects of the LST 133 and LST 143 modules are combined in a research assignment. In this project, students work in writing teams to produce a chapter on a career and to present an oral presentation of aspects of the chapter. The work is set in the context of the students' field of study.

This module is offered by the Faculty of Natural and Agricultural Sciences.

MBK 151 Sports psychology (1) 151

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 2

Language of tuition: Double Medium

Credits: 6

Module content:

* Closed – requires departmental selection

Sports psychology at first-year level is a general introductory module that orientates the student in sports psychology as a science. The module focuses on psychological principles and human behaviour in an exercise and sport context. This includes the study of sport and exercise behaviour, the psychology of coaching and exercise psychology.

This module is offered by the Faculty of Humanities.

MBK 152 Recreation and sports management (1) 152

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 4 lpw

Period of presentation: Quarter 1

Language of tuition: Double Medium

Credits: 6

Module content:

*Closed – requires departmental selection

This module orientates students to the role and importance of scientific management of recreation and sport. Functions, roles, methods and techniques of the recreation or sports manager are studied. The management functions of planning and organising are applied in detail to the recreation and sports industry.

This module is offered by the Faculty of Humanities.

MBK 153 Philosophy of sport 153

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 4 lpw

Period of presentation: Quarter 3

Language of tuition: Double Medium

Credits: 6

Module content:

*Closed – requires departmental selection

Philosophy of sport is a study of the theoretical frame of reference (nature) of the phenomenon and also a practical application to sport: the Olympic Games is used as exemplar.

This module is offered by the Faculty of Humanities.

OBS 114 Business management 114

Academic organisation: Business Management

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Introduction to business management as a science; the environment in which the enterprise operates; the field of business, the mission and goals of an enterprise; management and entrepreneurship. The choice of a form of enterprise; the choice of products and/or services; profit and cost planning for different sizes of operating units; the choice of location; the nature of production processes and the layout of the plant or operating unit.

Introduction to and overview of general management, especially regarding the five management tasks: strategic management; contemporary developments and management issues; financial management; marketing and public relations. Introduction to and overview of the value chain model; management of the input; management of the purchasing function; management of the transformation process with specific reference to production and operations management; human resources management and information management; corporate governance and black economic empowerment (BEE).

OBS 122 Business management 122

Academic organisation: Business Management

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

* Only available to BCom (Accounting Sciences) and BCom (Investment Management) students

*Module content will be adapted in accordance with the appropriate degree programme.

Theme 1: This theme comprises a brief introduction to business management which includes a description of a business enterprise and its environments and stakeholders; the business person's task in establishing a business, as well as the obtaining of finance; the general management principles which are used to manage the whole enterprise and its different functions in order to ensure competitiveness.

Theme 2: This second theme will elaborate on the function of personnel management introduced in the first theme and will provide an introduction to personnel psychology, organisational behaviour and labour relations. It will refer to the selection of employees and the training and development of human resources in order to adapt to changing circumstances. The role of leadership in group utilisation and motivation will be dealt with both theoretically and practically. Labour relations will be studied in terms of institutional processes and the service relationship and will include practical aspects such as the handling of grievances, disciplining and dispute resolution.

OBS 124 Business management 124

Academic organisation: Business Management

Prerequisite: Admission to the examination in OBS 114 or OBS 133 and 143

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

The nature and development of entrepreneurship; the individual entrepreneur and characteristics of South African entrepreneurs. Looking at the window of opportunity.

Getting started (business start up). Exploring different routes to entrepreneurship: entering a family business, buying a franchise, home-based business and the business buyout.

This semester also covers how entrepreneurs can network and find support in their environments. Case studies of successful entrepreneurs – also South African entrepreneurs – are studied.

OBS 126 Business management 126: Capita selecta

Academic organisation: Business Management

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

This theme comprises a brief introduction to business management which includes a description of a business enterprise and its environments and stakeholders; the business person's task in establishing a business, as well as the obtaining of finance; the general management principles which are used to manage the whole enterprise and its different functions in order to ensure competitiveness.

OBS 133 Business management 133

Academic organisation: Business Management

Contact time: 3 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Foundation module

Introduction to Business Management as a science, the environment in which the enterprise operates, the field of business, the mission and goals of an enterprise, management and entrepreneurship. The choice of a form of enterprise, the choice of products and/or services, profit and cost planning for different sizes of operating units, the choice of location, the nature of production processes and the layout of the plant or operating unit.

OBS 143 Business management 143

Academic organisation: Business Management

Prerequisite: OBS 133

Contact time: 3 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Foundation module

Introduction to and overview of general management, especially regarding the five management tasks, strategic management, contemporary developments and management issues, financial management, marketing, public relations. (Note: For marketing students, marketing is replaced by financial management, and public relations by small business management.)

Introduction to and overview of the value chain model, management of the input, management of the purchasing function, management of the transformation process with specific reference to production and operations management, human resources management, and information management; corporate governance and black economic empowerment (BEE).

OBS 210 Business management 210

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Logistics management

The role of logistics in an enterprise; definition and scope of customer service; electronic and other logistics information systems; inventory management; materials management with special reference to Japanese systems; management of the supply chain. Methods of transport and transport costs; types and costs of warehousing; electronic aids in materials handling; cost and price determination of purchases; organising for logistics management; methods for improving logistics performance.

OBS 213 Entrepreneurship 213

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

*Only for BCom (Entrepreneurship) students

Creativity, innovation and identification of opportunities: synopsis of creativity; techniques to facilitate creativity; barriers to creativity; creative versus critical thinking.

Creative problem-solving and identification of opportunities: identification of opportunities; development of ideas; evaluation and prioritising of ideas. Reinforcement of personal attributes: personal attributes and actions to facilitate creativity; enhancement of intuitive abilities.

OBS 216 Supply chain management 216

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

*Only for BCom (Option: Supply Chain Management) students

The role of purchasing in the supply chain, decision-making in purchasing, the purchasing process, markets and products, purchasing intelligence, outsourcing and risk management, sourcing strategy, new product development and quality control, purchasing performance management, supplier assessment, negotiating techniques and facilities management and buying of services.

OBS 220 Business management 220

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Project management: Introduction

Project management concepts; needs identification; the project, the project manager and the project team; types of project organisations; project communication and documentation. Planning and control: planning, scheduling and schedule control of projects; resource considerations and allocations; cost planning and performance evaluation.

OBS 223 Entrepreneurship 223

Academic organisation: Business Management

Prerequisite: OBS 213 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 16

Module content:

*Only for BCom (Entrepreneurship) students

Entrepreneurial process; new ideas; identification of opportunities; the entrepreneurial mind in action; the entrepreneurial manager; new business plans. Ethics and the entrepreneur; management of growth; entrepreneurs in unsuccessful businesses and closure of the entrepreneurial process (harvesting).

OBS 226 Supply chain management 226

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

*Only for BCom [Option: Supply Chain Management] students

Operations strategy and competitiveness; process analysis, product design and process selection; manufacturing; services; total quality management; operations re-engineering; supply chain strategy; capacity management; just-in-time systems; forecasting; aggregate sales and operation planning; inventory control; operational scheduling; material requirements planning and theory of constraints.

OBS 310 Business management 310

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Human resource management and development

The environment in which human resource management takes place; job analysis; strategic human resource planning; equal employment opportunities; planning and management of training; development and careers; functioning in a global environment.

Negotiation and collective bargaining

The nature of negotiation; preparation for negotiation; negotiating for purposes of climate creation; persuasive communication; handling conflict and aggression; specialised negotiation and collective bargaining in the South African context.

OBS 311 Entrepreneurship 311

Academic organisation: Business Management

Prerequisite: OBS 114

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

*General service module available as elective for other degree programmes.

Characteristics and description of entrepreneurship; the entrepreneurial process; identification of opportunities; new business opportunities; the entrepreneurial manager and the entrepreneurial team.

The small business enabling environment; management of growth and development of a small business and the compilation of a business plan.

OBS 313 Entrepreneurship 313

Academic organisation: Business Management

Prerequisite: OBS 114,124 and 213 with admission to the examination in OBS 223

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

*Only for BCom (Entrepreneurship) students

Nature of small business management; management of entrepreneurial opportunities; management of the business plan; small business marketing; purchasing; operational and financial management. Social and legal small business environment in South Africa: all legal requirements entrepreneurial businesses have to comply with.

OBS 315 E-business 315

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

*BCom (Informatics) students are not allowed to take OBS 315 and OBS 325 as elective modules for degree purposes.

Introduction to electronic business: An introduction to the field of electronic business in which the implications of electronic business on the enterprise and existing business models are dealt with. Some business applications concerning aspects of e-law are also dealt with.

OBS 316 Supply chain management 316

Academic organisation: Business Management

Prerequisite: OBS 114, OBS 124 with admission to the examination in OBS 216 and OBS 226

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

*Only for BCom [Option: Supply Chain Management] students

The transport environment; model selection and intermodel combinations; fundamental transport economics; transport planning; transport operations; transport legislation;

transport strategies; warehouse methodologies; warehouse location and design; material handling equipment; warehouse operations; key performance indications and performance requirements.

OBS 320 Business management 320

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Strategic management analysis and formulation

Basic concepts; formulation of mission; policy and objectives; external evaluation of the business environment; internal evaluation of the enterprise; including intellectual assets; the formulation and development of a strategic plan.

Strategic management implementation

The role of management in strategy implementation; budgets as instrument in the implementation process; leading processes of change within enterprises; supporting policies, procedures and information systems for implementation in the various functional areas; evaluation and control of implementation.

OBS 321 Entrepreneurship 321

Academic organisation: Business Management

Prerequisite: Admission to the examination in OBS 311

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

*General service module available as elective module for other degree programmes.

Performance motivation: development of positive motives; role models; determining of the level of achievement motivation; reinforcement of the need for performance motivation; strategies and action plans. Creativity, innovation, need for achievement, entrepreneurial role models and the development of risk propensity.

OBS 323 Entrepreneurship 323

Academic organisation: Business Management

Prerequisite: Admission to the examination in OBS 313

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

*Only for BCom (Entrepreneurship) students

Development of performance motivation; development of positive motives; role models; level of performance motivation; reinforcement of performance motivation; strategies and action plans.

Franchising, small business consultation, business acquisitions, mentorship, female entrepreneurs, family business, home industries and management of growth.

OBS 325 E-commerce 325

Academic organisation: Business Management

Prerequisite: OBS 114 or 124 with admission to the examination in the other

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

*BCom (Informatics) students are not allowed to take OBS 315 and OBS 325 as elective modules for degree purposes.

Introduction to electronic commerce: An introduction to the domain of electronic commerce in which the implications of online trading on the enterprise and existing business models are studied. Strategic positioning of the enterprise via electronic commerce activities will be introduced. Some business applications concerning e-law with regard to e-commerce are also dealt with.

OBS 326 Supply chain management 326

Academic organisation: Business Management

Prerequisite: OBS 316 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

*Only for BCom [Option: Supply Chain Management] students

Corporate alignments; competitive positioning; customer service design; strategy design; channel strategy; network design; supply chain relationships; supply chain design; supplier alignment; operations alignment; distribution alignment; demand alignment and logistics information systems.

OBS 359 International business management 359

Academic organisation: Business Management

Prerequisite: OBS 114 or OBS 124 with admission to the examination in the other

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Introduction to international management

International business management; the process of internationalisation; growth in international trade and investment; the evolution of multinational enterprises; management perspectives on international trade and international trade theories; international trade regulation; economic integration; the formation of trading blocks, and free-trade areas.

The international business environment

The cultural environment of international business; the political and legal environments as well as the economic environment of international business; the international monetary system; the foreign exchange market; and international capital markets.

OBS 369 International business management 369

Academic organisation: Business Management

Prerequisite: Admission to the exam in OBS 359

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

International financial management

Purpose, scope and principles of international financial management; international cashflow management; foreign exchange risk and foreign exchange risk management;

international investment and financing decisions; import and export management; import and export financing, and international purchasing and sourcing.

International management, leadership and market entry

International management and leadership; dimensions of strategic international human resource management; international market entry and introduction to international marketing strategy, and future perspectives on Southern Africa as an emerging market.

ODM 110 Public organisation studies 110

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students.

Development of organisation theory – from classical to contemporary theories. Organisation structure and design. Implementation of organisational functions including departmentalisation, coordination, span of control, unity of command, centralisation and decentralisation, authority and control.

ODM 210 Public organisation studies 210

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

*Only available for BAdmin [Option: Public Administration] students.

Public organisational dynamics and behaviour including establishing the organisational culture, individual differences in the workplace, motivating the public sector employee, group and team dynamics, communication, power and empowerment and public leadership skills.

ODR 320 Entrepreneurial law 320

Academic organisation: Mercantile Law

Contact time: 3 lpw 1 tpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

*For LLB and BCom (Law)

(a) Company law

(b) Law relating to close corporations

(c) Partnership law

This module is offered by the Faculty of Law.

ODT 200 Auditing 200

Academic organisation: Auditing

Prerequisite: FRK 100 or FRK 101

Contact time: 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 32

Module content:

History of auditing: the concept "profession". The theory, including the postulates in auditing. Most important concepts, selected sections of the Companies Act which are

prescribed by the Public Accountants' and Auditors' Board (PAAB) and the South African Institute of Chartered Accountants (SAICA). Publications of the SAICA and the PAAB. Principles of auditing, the audit process. Internal control and system design and evaluation.

ODT 300 Auditing 300

Academic organisation: Auditing

Prerequisite: ODT 200

Contact time: 4 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

Application of statistical sampling methods in auditing. Sections of the Companies Act and the Closed Corporation Act prescribed by the PAAB and the SAICA. Publications of the SAICA, the PAAB and selected international auditing standards. The audit process. Internal control and system design and evaluation. Test of controls. Auditing and controls in an electronic data-processing environment.

OPB 110 Public management 110

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students

Development of management and public management. Importance of and need for effective management. Management theories. Public management environment.

OPB 210 Public management 210

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

*Only available for BAdmin [Option: Public Administration] students

Public management functions including planning, organising, leading and control.

OPB 310 Public management 310

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

*Only available for BAdmin [Option: Public Administration] students

Students are exposed to specific modern public management techniques aimed at effective management and performance, including business process re-engineering, total quality management and service orientation. The focus is on quantitative techniques such as decision trees, scheduling, controlling charts, simulation and network techniques, as well as on qualitative techniques such as think tanks, task teams and management by exception.

PAD 112 Public Administration 112

Academic organisation: School of Public Management and Administration

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

This module in Public Administration is designed specifically to assist students in understanding the role of public administration in a modern state, the unique characteristics of public administration, the schools and approaches in public administration and introducing the various generic administrative functions. The discipline of public administration has developed rapidly and by implication, has changed and shifted its paradigm over the years. The purpose of this module is to introduce public administration to the student as a field of study that makes a significant contribution to the effective administration and management of government institutions.

PAD 122 Public Administration 122

Academic organisation: School of Public Management and Administration

Prerequisite: PAD 112 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

This module in Public administration will introduce the constitutional framework pertaining to public administration. The South African system of government, the functions, role and powers of the executive, legislative and judicial branches of government as well as the functioning of the three spheres of government will be discussed. The module will enable the student to understand how and where public administration is practiced.

PAD 212 Public Administration 212

Academic organisation: School of Public Management and Administration

Prerequisite: PAD 112 or PAD 122 with a GS in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

This module in Public Administration constitutes an in-depth analysis of the generic administrative functions, including, policy making, organising, financing, staffing and control. Students will thus be equipped with knowledge and skills related to government strategic planning, policy making and decision making, budgeting, public procurement, human resource management functions and employment legislation impacting on human resources within public organisations.

PAD 222 Public Administration 222

Academic organisation: School of Public Management and Administration

Prerequisite: PAD 212 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

This module in Public Administration introduces the student to the process of planning, executing and evaluating research in the public sector. Students will be enabled to identify, plan, execute and present a research project. This is a service learning module

and as such students will be expected to complete approximately 15 hours service learning and submit a portfolio as part of their formal assessment.

PAD 312 Public Administration 312

Academic organisation: School of Public Management and Administration

Prerequisite: PAD 112, PAD 122, PAD 212 or PAD 222 with a GS in the other

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

This module in Public Administration is designed specifically to assist students to have a better understanding regarding the depth, origin and development of ethics in public service and administration. The emphasis here is on building responsive public servants whose duties and responsibilities do not only encourage the effective and efficient functioning of public organisations with the aim to facilitate better service delivery to all, but also apply ethical personal and organisational codes and standards in their daily operational activities.

The purpose of this module is to enable the student to apply, synthesise and abstract theory into practice for a better public service of the future.

PAD 322 Public Administration 322

Academic organisation: School of Public Management and Administration

Prerequisite: PAD 312 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

This module on Public Administration is designed to broaden the view of students on the understanding of the origin and development of administrative systems. The emphasis is on the practical application of knowledge to problems of developing societies. Increasing global interdependence requires scholarly interest in comparative public administration. A motivating force for comparative public administration is the search for discovering regularities in administrative processes and behaviours throughout the human experience, irrespective of place and time.

PBP 320 Public practices 320

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

*Only available for BAdmin [Option: Public Administration] students

Work-integrated learning module. Students are assessed at their workplace and are required to hand in a logbook as part of their assessment. The module is aimed at assessing the skills that students have acquired throughout their previous years of study, specifically in compulsory modules.

PSR 110 Law of persons 110

Academic organisation: Private Law

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*For LLB and BA/BCom (Law)

The legal rules in respect of the coming into existence, private law status and termination of a natural person or legal subject.

This module is offered by the Faculty of Law.

PTO 111 Politics 111

Academic organisation: Political Sciences

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Basics of politics

An introduction to the study of organised political society at national and international levels with specific reference to political concepts, approaches and methods. The emphasis is on state and governance as frameworks for analysis. This includes the development and comparison of related political entities, processes and regime types of a democratic and non-democratic nature, also considering the salient changes brought about by globalisation.

This module is offered by the Faculty of Humanities.

PTO 120 Politics 120

Academic organisation: Political Sciences

Prerequisite: PTO 111 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Cooperation in the political world

An introduction to cooperation at national and international levels with specific reference to the nature, foundations and politics of cooperation. This includes an analysis and comparison of the politicisation, localisation and internationalisation of issues and of the problems at national, regional and international levels related to cooperation in an increasingly interdependent world characterised by the absence of supranational institutions. Attention is also paid to the corresponding dynamics of regime development, performance and change.

This module is offered by the Faculty of Humanities.

PUF 110 Public resource management 110

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students

The nature and role of decision making. Theories and models for public policy analysis.

Public policy design and policy decision making.

PUF 120 Public resource management 120

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students
Programme management, project management and public policy implementation. Public policy evaluation.

PUF 210 Public resource management 210

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

*Only available for BAdmin [Option: Public Administration] students
Concepts, aims and principles of public finance. Government and the distribution of income. Role players in financial resource management. Different budgetary systems. Governmental budget organisation, preparing government budget and managing the budget.

PUF 220 Public resource management 220

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

*Only available for BAdmin [Option: Public Administration] students
Public procurement and supply chain management. Financial controls and fiscal reporting.

PUF 310 Public resource management 310

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

*Only available for BAdmin [Option: Public Administration] students
The module is aimed at enabling students to demonstrate their competence in the use of project management for strategic goal achievement. The emphasis of the module is on detailing the project management context and cycle, focusing on project implementation and evaluation.

PUL 110 Public leadership 110

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin (Option: Public Administration) students
Public leadership theories. Leadership challenges. Creating an enabling public leadership environment.

PUM 120 Public information management 120

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students

Use and design of public management information systems. Knowledge management.

PUT 120 Public people management 120

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

*Only available for BAdmin [Option: Public Administration] students

The foundations and legislative framework for public people management. Management of diversity, equity, gender and disability in the public sector. Maximising public acquisition strategies.

PUT 220 Public people management 220

Academic organisation: School of Public Management and Administration

Contact time: 3 days - 8 hours per day

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

*Only available for BAdmin [Option: Public Administration] students

Maximising public performance and productivity.

Managing public employees through appropriate communication, conflict management and employee health strategies.

RES 210 Social research: Introductory methodology 210

Academic organisation: Psychology

Contact time: 2 lpw

Presentation period: Semester 1

Instruction language: Both Eng and Afr

Credits: 20

Module content:

The module introduces methods of inquiry in the social sciences and humanities. The purpose of this module is to introduce students to the research process in order to equip them with the necessary competence to:

- identify social problems, formulate research questions and hypotheses;
- have a basic understanding of writing the literature review and research proposal;
- know and select relevant methods of inquiry;
- be aware of the necessity of conducting ethically sound research; and interpret and present data graphically.

This module is offered by the Faculty of Humanities.

RKD 251 Therapeutic recreation 251

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 1

Language of tuition: Double Medium

Credits: 8

Module content:

Explanation of terms (leisure, recreation, therapy). Historical development of TR. Purpose of TR. Barriers to TR. Paralympic Games and related Games. TR through the life-span (elderly), leadership, evaluation and ethics regarding TR programmes. TR in the RSA. Future of TR.

This module is offered by the Faculty of Humanities.

RKD 252 Resource design and management 252

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 2

Language of tuition: Double Medium

Credits: 8

Module content:

The impact of sustainable development and globalisation on resource management, parks and recreation are analysed. The elements of the conceptual model for the design and management of recreation resources are studied and applied. A comprehensive model for the management of recreation facilities is analysed.

This module is offered by the Faculty of Humanities.

RKD 253 Recreation and aspects of tourism management 253

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: Double Medium

Credits: 8

Module content:

Tourism management from the perspective of the recreation manager. Management of recreation behaviour at the tourist resort/destination.

This module is offered by the Faculty of Humanities.

RKD 254 Economy of leisure time 254

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Double Medium

Credits: 8

Module content:

Introduction to economic principles and processes underpinning leisure behaviour of the consumer and influencing recreation management.

This module is offered by the Faculty of Humanities.

RKD 354 Sports and recreation tourism 354

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Double Medium

Credits: 10

Module content:

Impact of sporting event tourism: national and global economic impact, sociocultural impact, environmental impact, health impact. Sports tourism product development.

This module is offered by the Faculty of Humanities.

ROM 120 Roman law 120

Academic organisation: Private Law i

Contact time: 1 tpw 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*For LLB and BA/BCom (Law)

INTRODUCTION TO THE ROMAN LAW OF THINGS

- (a) Things, real rights, possession
- (b) Ownership, limitations, acquisition, protection
- (c) Limited real rights, servitudes, real security

INTRODUCTION TO THE ROMAN LAW OF CONTRACT

- (a) General principles of the law of contract
- (b) Specific contracts
- (c) Quasi contracts

INTRODUCTION TO THE ROMAN LAW OF DELICT

- (a) General principles of the law of delict
- (b) Specific delicts
- (c) Quasi delicts

This module is offered by the Faculty of Law.

RWV 210 Legal interpretation 210

Academic organisation: Public Law

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

*For LLB, BAdmin, BA (Law) and BCom [Option: Taxation]

Statute law:

- (a) General introduction: relationship between text and context
- (b) What is legislation: categories and types of legislation
- (c) The structure and format of legislation (enacted law texts)
- (d) Commencement, amendment and demise of legislation

Principles of interpretation:

- (a) How to interpret legislation: various theories and methods of interpretation and the influence of the supreme Constitution on statutory interpretation
- (b) Internal and external aids to determine the legislative purpose
- (c) So-called peremptory and directory provisions
- (d) Statutory interpretation and judicial lawmaking
- (e) Basic principles of constitutional interpretation

This module is offered by the Faculty of Law.

SAR 310 Law of things 310

Academic organisation: Private Law

Contact time: 4 lpw 1 tpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BA/BCom (Law)

- (a) General principles of the law of things
- (b) Constitutional aspects
- (c) Control (possession and holdership)
- (d) Ownership (including joint ownership and sectional-title property)
- (e) Limited real rights (including servitudes, limiting provisions, public servitudes, mineral rights and real security rights)

This module is offered by the Faculty of Law.

SDT 254 Sport and technology 254

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: Double Medium

Credits: 8

Module content:

*Closed – requires departmental selection

Explanation of terms (sport, science, technology). Historical perspective on sport and technology. Modern impact (advantages vs disadvantages). “Sport and the technological image of man.” Future perspective. Corporate wellness.

This module is offered by the Faculty of Humanities.

SPK 161 Sports science 161

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Double Medium

Credits: 6

Module content:

Introduction to communication in sport and recreation

The broad principles of communication are addressed. The application of these principles within sport, recreation and coaching is touched upon and developed. The generic principles of information systems as currently applicable in sport and recreation, are presented.

This module is offered by the Faculty of Humanities.

SPK 251 Sports science 251

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Double Medium

Credits: 10

Module content:

Sociology of recreation and sport

Owing to the fact that almost everyone is involved in recreation and/or sport, it follows that cultural values, norms and standards will be accessible via sport and recreation. This has a darker side as well because these facets can be negatively influenced. Examples across the world are presented as examples of this possibility.

This module is offered by the Faculty of Humanities.

SPK 252 Sports science 252

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Double Medium

Credits: 10

Module content:

Social marketing of sport and recreation

The principles and processes of the social marketing approach to recreation and sports services are clarified and analysed. The Benefit-based Management Model of recreation and sports management and the concept of added value are applied to service providers in the public sector as well as the private sector.

This module is offered by the Faculty of Humanities.

SPK 262 Sports science 262

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 1

Language of tuition: Double Medium

Credits: 10

Module content:

Ethics, sport and recreation

Ethical issues in sports and recreation practice, sports and leisure science research and in the sociology of sport and leisure are identified and analysed from the perspective of a sports and recreation manager.

This module is offered by the Faculty of Humanities.

SPK 351 Sports science 351

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 1

Language of tuition: Double Medium

Credits: 15

Module content:

Planning, organising, logistics and management of events, and also the impact of events.

This module is offered by the Faculty of Humanities.

SPK 352 Sports science 352

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: Double Medium

Credits: 15

Module content:

Facilities management

The conceptual planning and management of a facility is developed within this module by means of the latest information available in this regard.

This module is offered by the Faculty of Humanities.

SPK 361 Sports science 361

Academic organisation: Biokinetics, Sports and Leisure Sciences

Contact time: 3 lpw

Period of presentation: Quarter 2

Language of tuition: Double Medium

Credits: 15

Module content:

Recreation, sport and the law

An introduction and overview of the relevant laws as applicable to sports and recreation issues are addressed.

The matter of liability pertaining to injuries of participants as seen against the background of motivation to participate is delved upon.

This module is offered by the Faculty of Humanities.

STK 110 Statistics 110

Academic organisation: Statistics

Prerequisite: At least 5 (60-69%) in Mathematics in the Grade 12 examination. Candidates who do not qualify for STK 110 must register for STK 113 and STK 123.

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 13

Module content:

Descriptive statistics

Sampling and the collection of data; frequency distributions and graphical representations. Descriptive measures of location and dispersion.

Probability and inference

Introductory probability theory and theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one and two-sample cases). Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

STK 113 Statistics 113

Academic organisation: Statistics

Contact time: 1 ppw (during the last 7 weeks) 3 lpw 1 tpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 11

Module content:

*On its own, STK 113 and 123 will not be recognised for degree purposes, but exemption will be granted from STK 110.

Data operations and transformations: Introductory concepts, the role of statistic, various types of data and the number system. Concepts underlying linear, quadratic, exponential, hyperbolic, logarithmic transformations of quantitative data, graphical representations, solving of equations, interpretations. Determining linear equations in practical situations. Characteristics of logarithmic functions. The relationship between the exponential and logarithmic functions in economic and related problems. Systems of equations in equilibrium. Additional concepts relating to data processing, functions and inverse functions, sigma notation, factorial notation, sequences and series, inequalities (strong, weak, absolute, conditional, double) and absolute values.

Descriptive statistics – Univariate: Sampling and the collection of data, frequency distributions and graphical representations. Descriptive measures of location and dispersion. Introductory probability theory. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques. The weekly one hour practical is presented during the last seven weeks of the semester.

STK 120 Statistics 120

Academic organisation: Statistics

Prerequisite: STK 110 GS or both STK 113 GS and STK 123 GS or WST 133 and WST 143

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 13

Module content:

Multivariate statistics: Analysis of variance, categorical data analysis, distribution-free methods, curve fitting, regression and correlation, the analysis of time series and indices.

Statistical and economic applications of quantitative techniques: Systems of linear equations: drafting, matrices, solving, application. Optimisation: linear functions (two and more independent variables), non-linear functions (one and two independent variables). Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: producers' and consumers' surplus, distribution functions, probability distributions, probability density functions. Identification, use, evaluation, interpretation of statistical computer packages and statistical techniques.

This module is also presented as an anti-semester bilingual module.

STK 123 Statistics 123

Academic organisation: Statistics

Prerequisite: STK 113 GS

Contact time: 1 ppw (during the last 7 weeks) 3 lpw 1 tpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

*On its own, STK 113 and 123 will not be recognized for degree purposes, but exemption will be granted from STK 110.

Optimisation techniques with economic applications: Data transformations and relationships with economic applications, operations and rules, linear, quadratic, exponential, hyperbolic and logarithmic functions; systems of equations in equilibrium, system of linear inequalities, solving of linear programming problems by means of the graphical and extreme point methods. Applications of differentiation and integration in statistic and economic related problems: the limit of a function, continuity, rate of change, the derivative of a function, differentiation rules, higher order derivatives, optimisation techniques, the area under a curve and applications of definite integrals. Probability and inference: Theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one-sample and two-sample cases). Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

The weekly one hour practical is presented during the last seven weeks of the semester.

STK 161 Statistics 161

Academic organisation: Statistics

Prerequisite: STK110 GS or both STK 113 GS and STK 123 GS

Contact time: 1 ppw 3 lpw

Period of presentation: Quarter 3

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

Multivariate statistics analysis of variance; categorical data analysis; distribution-free methods; curve fitting, regression and correlation; the analysis of time series and indices. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

This module is also presented as an anti-semester (quarter 1) bilingual module.

STK 162 Statistics 162

Academic organisation: Statistics

Prerequisite: STK110 GS or both STK 113 GS and STK 123 GS

Contact time: 1 ppw 3 lpw

Period of presentation: Quarter 4

Language of tuition: Both Afr and Eng

Credits: 7

Module content:

Statistical and economic applications of quantitative techniques Systems of linear equations: Drafting, matrices, solving, application. Optimisation: Linear functions (two and more independent variables), non-linear functions (one and two independent variables). Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: Producer's and consumer's surplus, distribution functions, probability distributions, probability density functions. Identification, use, evaluation, interpretation of statistical computer packages and statistical techniques.

This module is also presented as an anti-semester (quarter 2) bilingual module.

STK 210 Statistics 210

Academic organisation: Statistics

Prerequisite: STK 110, STK 120

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 20

Module content:

Probability theory: Univariate probability distributions, expected values and moments. Special probability distributions, binomial, hypergeometric, poisson, exponential, gamma, beta and normal distribution. Probability distributions and moments in the bivariate case. The bivariate normal distribution. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

STK 220 Statistics 220

Academic organisation: Statistics

Prerequisite: STK 210 GS

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 20

Module content:

Probability distributions and moments in multivariate case. Multinomial distribution. Probability distributions of functions of random variables. Sampling procedures and distributions. Statistical inference concerning means, variances and proportions in one-sample and two-sample cases. Identification, use, evaluation and interpretation of statistical computer packages and techniques in the simulation of distributions and statistical inference.

STK 281 Statistics 281

Academic organisation: Statistics

Prerequisite: STK 110, STK 120

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

Applied regression analysis: simple and multiple regression, nonlinear regression, correlation, the use of dummy variables, heteroscedasticity, serial correlation and lag structures. Applied time-series analysis. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

STK 310 Statistics 310

Academic organisation: Statistics

Prerequisite: STK 210, STK 220

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 25

Module content:

Regression analysis: simple and multiple regression; nonlinear regression; correlation and the use of dummy variables. Multivariate distributions: normal, multinomial and poisson distribution. Linear combinations of normal variables. Analysis of variance and covariance. Categorical data analysis. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

STK 320 Statistics 320

Academic organisation: Statistics

Prerequisite: STK 310 GS

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 25

Module content:

Regression analysis extensions: heteroscedasticity, serial correlation and lag structures. Time-series analysis. Applications of matrices, differentiation and integration in the economic and management sciences. Evaluation of simple economic models. Theory and applications of time-series models: univariate time series. Stationary and non-stationary time series. ARMA and ARIMA models. Regression models. Model identification and estimation. Spectrum and periodogram. Forecasting with time-series models. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques. Student seminars.

STL 210 Political science 210

Academic organisation: Political Sciences

Prerequisite: PTO 111 GS, PTO 120 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

Module content:

Political dynamics (Micro)

The study of the theory and practice of behavioural phenomena in politics. With reference to appropriate examples, the emphasis is on the study of political culture, leadership, communication, interests groups, parties and party systems; on elections, electoral systems, voting behaviour; and on public opinion and direct popular control techniques.

This module is offered by the Faculty of Humanities.

STL 220 Political science 220

Academic organisation: Political Sciences

Prerequisite: PTO 111 GS, PTO 120 GS, STL 210 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

Political dynamics (Macro)

A theoretical basis and framework is provided for the description, analysis and classification of political and policy problems. The emphasis is on the nature of the state, governance and conflict in Africa. Amongst others a study is made of the issues of colonialism and post-colonialism, democratisation, authoritarianism and the development of the state in Africa, in the context of a globalising world.

This module is offered by the Faculty of Humanities.

STL 310 Political science 310

Academic organisation: Political Sciences

Prerequisite: PTO 111, PTO 120, STL 210 GS, STL 220 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 30

Module content:

Political theory

A theoretical and normative study of political ideas. This includes the study of key political thinkers such as Plato, Thomas Hobbes and John Rawls as well as the contemporary manifestations of ideologies such as liberalism, socialism, conservatism and nationalism. This normative assessment of politics concludes with a critical evaluation of the development, nature and practical value of prominent democratic theories including participatory, legal, and deliberative democracy.

This module is offered by the Faculty of Humanities.

STL 320 Political science 320

Academic organisation: Political Sciences

Prerequisite: PTO 111, PTO 120, STL 210, STL 220 GS, STL 310 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 30

Module content:

Politics and analysis

The nature and problems underlying South African politics, amongst others, are studied. This study utilises the methods and practice of political analysis, forecasting, risk analysis, performance evaluation and the political audit. These analytical methods are positioned in a political and policy context, with emphasis on their practical application and value.

This module is offered by the Faculty of Humanities.

TBE 210 Tourism management 210

Academic organisation: Tourism Management Division

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 16

Module content:

The Tourism System

This module introduces tourism management from a systems perspective covering tourism demand and supply as well as the impact of the environment. Tourism demand is viewed from tourist motivation to global movement and tourism supply from natural and cultural resources to industry sectors such as hospitality, transport and attractions (including events). The functional and physical links between demand and supply are introduced and the role and impact of legislation, policies, national, regional and local bodies and environmental trends analysed.

TBE 220 Tourism management 220

Academic organisation: Tourism Management Division

Prerequisite: TBE 210 GS

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 16

Module content:

Strategic tourism management

This module presents two interlinking themes: Strategic destination marketing and contemporary tourism issues. Strategic destination marketing explores the unique characteristics of and approaches to marketing a tourist destination. It provides a management and operational framework for destination marketing and within this

framework trends, practices and case studies in destination marketing are addressed. Contemporary tourism issues examine developments in tourism such sustainable and ecotourism tourism, cultural tourism and sport tourism.

TBE 310 Tourism management 310

Academic organisation: Tourism Management Division

Prerequisite: TBE 210 GS

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 20

Module content:

Tourism industry sector management I

This module covers the management of two industry sectors: tourism attractions (including events) and hospitality. Visitor attractions (including events), which are at the core of successful tourism is addressed at three levels: the key role of visitor attractions/events in the tourism industry; the overall development process (feasibility studies, financial and design aspects, etc.) relating to visitor attractions/events; and finally the strategic management and operational aspects of visitor attractions/events.

Hospitality management covers all the operational and management functions of the "guest cycle" from the moment a potential guest contacts an accommodation establishment to the time that he or she departs. A distinction is drawn between revenue centres and support centres. Food and beverage management forms an essential ingredient of this section. As financial management and costing are critical to the success of any hospitality organisation, the policies, principles and procedures pertaining to financial operations and financial management in such establishments are also covered.

TBE 320 Tourism distribution management 320

Academic organisation: Tourism Management Division

Prerequisite: TBE 210 GS

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 20

Module content:

Tourism industry sector management II

This module covers the management of two industry sectors as they relate to tourism: transport and distribution channels. Transport is integral to understanding tourism. This section covers how transport affects tourism and examines the supply of and demand for transport from a tourism perspective. It also introduces the various modes of transport and their impact on the tourism system and industry. Tourism distribution management provides an overview of distribution theory as it relates to tourism and describes the integral nature of information in the tourism industry. Distribution channels are analysed and the special nature of tour wholesaling, travel retailing, business and corporate travel management and incentive travel are introduced. This section also introduces the concept of eTourism.

VAG 124 Akademiese geletterdheid vir Ekonomiese en Bestuurswetenskappe 124

Academic organisation: Unit for Academic Literacy

Contact time: 2 lpw

Period of presentation: Semester 1 (MyFoundationsLab) Semester 2 (kursuswerk)

Language of tuition: Afrikaans

Credits: 6

Hierdie module het ten doel om studente toe te rus met lees- en skryfvaardighede wat benodig word in die volgende vier hoëimpakmodules: Ondernemingsbestuur, Finansiële

rekeningkunde, Statistiek en Ekonomie. Studente sal verder toegerus word met die nodige vaardighede om diagramme en grafieke te kan teken en te interpreteer en om die nodige berekeninge en formules toe te pas. Gedurende semester 1 werk studente individueel met die aanlyn-rekenaarprogram MyFoundationsLab binne 'n buigsame leeromgewing, en gedurende semester 2 woon hulle die geskeduleerde kontaksessies by en doen die kursuswerk.

VBB 220 Consumer protection 220

Academic organisation: Mercantile Law

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

*For LLB and BCom (Law)

- (a) Basic principles of the National Credit Act 34 of 2005
- (b) Aspects regarding the law applicable to credit agreements
- (c) Basic principles of the Consumer Protection Act 68 of 2008

This module is offered by the Faculty of Law.

VHD 320 Payment methods 320

Academic organisation: Mercantile Law

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Offered from 2015

*For LLB and BCom specialising in Law

- (a) Elements of negotiability; the bill of exchange, cheque and promissory note; parties to bills, cheques and notes
- (b) Requirements for validity, negotiation, holdership and acceptance
- (c) The banker-client relationship; crossings and additions to crossings; the legal position of the drawee and collecting bank
- (d) Electronic payment methods

This module is offered by the Faculty of Law.

WST 111 Mathematical statistics 111

Academic organisation: Statistics

Prerequisite: At least 5 (60-69%) in Mathematics in the Grade 12 examination

Contact time: 1 ppw 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Characterisation of a set of measurements: Graphical and numerical methods. Random sampling. Probability theory. Discrete and continuous random variables. Probability distributions. Generating functions and moments.

WST 121 Mathematical statistics 121

Academic organisation: Statistics

Prerequisite: WST 111 GS or WST 133, 143 and 153

Contact time: 1 ppw 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Sampling distributions and the central limit theorem. Statistical inference: Point and interval estimation. Hypothesis testing with applications in one and two-sample cases. Introductory methods for: Linear regression and correlation, analysis of variance, categorical data analysis and non-parametric statistics. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

WST 133 Mathematical statistics 133

Academic organisation: Statistics

Prerequisite: At least 3 (40-49%) in Mathematics in the Grade 12 examination; BSc and BCom numeric stream students must take WTW 133 concurrently, or BCom non-numeric stream students must take WTW 183 concurrently.

Contact time: 1 ppw 1 dpw 4 Foundation Course

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Descriptive statistics – Univariate:

The role of Statistics, various types of data. Sampling, probability and non-probability sampling techniques and the collection of data. Frequency, relative and cumulative distributions and graphical representations. Additional concepts relating to data processing: sigma notation, factorial notation, sequences and series. Descriptive measures of location, dispersion and symmetry. Exploratory data analysis.

Probability:

Introductory probability theory and applications. Set theory and probability laws. Introduction to random variables. Assigning probabilities, probability distributions, expected value and variance in general. Specific discrete probability distributions (Uniform, Binomial).

Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

WST 143 Mathematical statistics 143

Academic organisation: Statistics

Prerequisite: BSc and BCom numeric stream students: WST 133 and WTW 133 and must be taken concurrently with WTW143, or BCom non-numeric stream students: WST 133 and WTW 183.

Contact time: 1 ppw 1 dpw 4 lpw Foundation Course

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Probability and inference:

Probability theory and theoretical distributions for continuous random variables (Uniform, Normal and t). Sampling distributions (means and proportions). Estimation theory and hypothesis testing of sampling averages and proportions (one- and two-sample cases). Optimisation techniques with economic applications:

Applications of differentiation in statistic and economic-related problems. Integration and Integration by parts. Applications of integration in statistic and economic-related problems. Systems of equations in equilibrium. The area under a curve and applications of definite integrals in Statistics and Economics. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

WST 153 Mathematical statistics 153

Academic organisation: Statistics

Prerequisite: WST 133 and WST 143 and WTW 143. Must be taken concurrently with WTW 153.

Contact time: 1 ppw 1 dpw 4 lpw Foundation Course

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Probability distributions:

Introductory distribution theory and special statistical distributions (Binomial, Geometric, Hypergeometric, Poisson, Uniform, Normal, Gamma). Generating functions and moments. Bivariate probability distributions.

Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

WST 211 Mathematical statistics 211

Academic organisation: Statistics

Prerequisite: WST 111, WST 121, WTW 114 GS, WTW 126 GS and WTW 128 GS

Contact time: 2 ppw 4 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 24

Module content:

Set theory. Probability measure functions. Random variables. Distribution functions. Probability mass functions. Density functions. Expected values. Moments. Moment generating functions. Special probability distributions: Bernoulli, binomial, hypergeometric, geometric, negative binomial, Poisson, Poisson process, discrete uniform, uniform, gamma, exponential, Weibull, Pareto, normal. Joint distributions: Multinomial, extended hypergeometric, joint continuous distributions. Marginal distributions. Independent random variables. Conditional distributions. Covariance, correlation. Conditional expected values. Transformation of random variables: Convolution formula. Order statistics. Stochastic convergence: Convergence in distribution. Central limit theorem.

Practical applications. Practical statistical modelling and analysis using statistical computer packages and the interpretation of the output.

WST 221 Mathematical statistics 221

Academic organisation: Statistics

Prerequisite: WST 211 GS

Contact time: 2 ppw 4 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 24

Module content:

Stochastic convergence: Asymptotic normal distributions, convergence in probability. Statistics and sampling distributions: Chi-squared distribution. Distribution of the sample mean and sample variance for random samples from a normal population. T-distribution. F-distribution. Beta distribution. Point estimation: Method of moments. Maximum likelihood estimation. Unbiased estimators. Uniform minimum variance unbiased estimators. Cramer-Rao inequality. Efficiency. Consistency. Asymptotic relative efficiency. Bayes estimators. Sufficient statistics. Completeness. The exponential class. Confidence intervals. Test of statistical hypotheses. Reliability and survival distributions. Practical applications. Practical statistical modelling and analysis using statistical computer packages and the interpretation of the output.

WST 311 Multivariate analysis 311

Academic organisation: Statistics

Prerequisite: WST 211, WST 221, WTW 211 GS and WTW 218 GS

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

Multivariate statistical distributions: Moments of a distribution, moment generating functions, independence. Multivariate normal distribution: Conditional distributions, partial and multiple correlations. Multinomial and multivariate Poisson distributions: Asymptotic normality and estimation of parameters. Distribution of quadratic forms in normal variables. Multivariate normal samples: Estimation of the mean vector and covariance matrix, estimation of correlation coefficients, distribution of the sample mean, sample covariance matrix and sample correlation coefficients. The linear model: Models of full rank, least squares estimators, test of hypotheses. Practical applications: Practical statistical modelling and analysis using statistical computer packages and interpretation of the output.

WST 312 Stochastic processes 312

Academic organisation: Statistics

Prerequisite: WST 211, WST 221, WTW 211 GS and WTW 218 GS

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

Definition of a stochastic process. Stationarity. Covariance stationary. Markov property. Random walk. Brownian motion. Markov chains. Chapman-Kolmogorov equations. Recurrent and transient states. First passage time. Occupation times. Markov jump processes. Poisson process. Birth and death processes. Structures of processes. Structure of the time-homogeneous Markov jump process. Applications in insurance. Practical statistical modelling, analysis and simulation using statistical computer packages and the interpretation of the output.

WST 321 Time-series analysis 321

Academic organisation: Statistics

Prerequisite: WST 211, WST 221, WST 311 GS, WTW 211 GS and WTW 218 GS

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 18

Module content:

Stationary and non-stationary univariate time-series. Properties of autoregressive moving average (ARMA) and outoregressive integrated moving average (ARIMA) processes. Identification, estimation and diagnostic testing of a time-series model. Forecasting. Multivariate time-series. Practical statistical modelling and analysis using statistical computer packages.

WST 322 Actuarial statistics 322

Academic organisation: Statistics

Prerequisite: WST 211, WST 221, WTW 211 GS and WTW 218 GS

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 18

Module content:

Decision theory. Loss distributions. Reinsurance. Risk models. Ruin theory. Credibility theory. Methods to forecast future claim numbers and amounts. The generalised linear model: Exponential family, mean and variance, link functions, deviance and residual analysis, test statistics, log-linear and logit models. Practical statistical modelling and analysis using statistical computer packages.

WTW 114 Calculus 114

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: Refer to Regulation 1.2(b)

Contact time: 1 tpw 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

*This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 218 and WTW 220).

Students will not be credited for more than one of the following modules for their degree: WTW 114, WTW 158, WTW 134.

Functions, limits and continuity. Differential calculus of single variable functions, rate of change, graph sketching, applications. The mean value theorem, the rule of L'Hospital. Definite and indefinite integrals, evaluating definite integrals using anti-derivatives, the substitution rule.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 115 Discrete structures 115

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: Refer to Regulation 1.2(b)

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

Propositional logic: truth tables, logical equivalence, implication, arguments. Mathematical induction and well-ordering principle. Introduction to set theory. Counting techniques: elementary probability, multiplication and addition rules, permutations and combinations, binomial theorem, inclusion-exclusion rule.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 126 Linear algebra 126

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114 Refer to Reg 1.2

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

*This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 211).

Vector algebra with applications, matrix algebra, systems of linear equations, the vector space R^n , bases, determinants. Mathematical induction. Complex numbers and factorisation of polynomials.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 128 Calculus 128

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114 GS

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

*This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 218 and WTW 220).

Applications of integration. The formal definition of a limit. The fundamental theorem of Calculus and applications. Parametric and polar equations. Vector functions of one variable, quadratic curves. Introduction to functions of several variables and partial derivatives.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 133 Precalculus 133

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: As for BSc Four-year programme and BCom (Four-year programme)

Contact time: 1ppw 1tpw 5lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Real numbers, elementary set notation, exponents and radicals. Algebraic expressions, fractional expressions, linear and quadratic equations, inequalities. Coordinate geometry: lines, circles. Functions: definition, notation, piecewise defined functions, absolute value, domain and range, graphs, transformations of functions, symmetry, even and odd functions, combining functions, one-to-one functions and inverses, polynomial functions and zeros. Sequences, summation notation, arithmetic, geometric sequences, infinite geometric series, annuities and instalments. Degrees and radians, unit circle, trigonometric functions, fundamental identities, trigonometric graphs, trigonometric identities, double-angle, half-angle formulae, inverse trigonometric functions, trigonometric equations, applications.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 143 Calculus 143

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 133

Contact time: 4 lpw 1 ppw 1 tpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Functions: exponential and logarithmic functions, natural exponential and logarithmic functions, exponential and logarithmic laws, exponential and logarithmic exponential and logarithmic equations, compound interest. Limits: concept of a limit, finding limits numerically and graphically, finding limits algebraically, limit laws without proofs, squeeze theorem without proof, one-sided limits, infinite limits, limits at infinity, vertical, horizontal and slant asymptotes, substitution rule, continuity, laws for continuity without proofs. Differentiation: average and instantaneous change, definition of derivative, differentiation rules without proofs, derivatives of polynomials, chain rule for differentiation, derivatives of trigonometric, exponential and logarithmic functions, applications of differentiation: extreme values, critical numbers, monotone functions, first derivative test, optimisation.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 183 Precalculus 183

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: As for BCom Four-year Programme (eg Grade 12 Mathematics level 3, etc)

Contact time: 5 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Real numbers, elementary set notation, exponents and radicals. Algebraic expressions, fractional expressions, linear and quadratic equations, inequalities. Coordinate geometry: lines and circles. Functions: definition, notation, piecewise defined functions, absolute value, domain and range, graphs of functions, increasing and decreasing functions, average rates of change, quadratic functions, minima and maxima, symmetry, transformations of functions, even and odd functions, combining functions, polynomial functions and zeros, exponential and logarithmic functions, one-to-one functions and inverses and applications. Sequences, summation notation, arithmetic, geometric sequences, infinite geometric series. Mathematics of finance: Annuities, instalments, fractions versus percentages, etc. Introduction to limits, area problem and applications. Geometry.

WTW 211 Linear algebra 211

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 126

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

This is an introduction to linear algebra on \mathbb{R}^n . Matrices and linear equations, linear combinations and spans, linear independence, subspaces, basis and dimension, eigenvalues, eigenvectors, similarity and diagonalisation of matrices, linear transformations.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 218 Calculus 218

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114 , WTW 126 and WTW 128

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Calculus of multivariable functions, directional derivatives. Extrema and Lagrange multipliers. Multiple integrals, polar, cylindrical and spherical coordinates.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 220 Analysis 220

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114 and WTW 128

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Properties of real numbers. Analysis of sequences and series of real numbers. Power series and theorems of convergence. The Bolzano-Weierstrass theorem. The Riemann integral: Existence and properties of the interval.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 221 Linear algebra 221

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 211

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Abstract vector spaces, change of basis, matrix representation of linear transformations, orthogonality, diagonalisability of symmetric matrices, some applications.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 264 Differential equations 264

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114, WTW 126 and WTW 128

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 12

Module content:

Students will not be credited for more than one of the following modules for their degree: WTW 264, WTW 286

Theory and solution methods for ordinary differential equations and initial value problems: separable and linear first order equations, linear equations of higher order, systems of linear equations. Laplace transform.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 286 Differential equations 286

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114, WTW 126, WTW 128 and 162

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 12

Module content:

Theory and solution methods for ordinary differential equations and initial value problems: separable and linear first-order equations, linear equations of higher order, systems of linear equations. Application to mathematical models. Qualitative analysis of linear systems.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 310 Analysis 310

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 220

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

Topology of finite dimensional spaces: Open and closed sets, compactness, connectedness and completeness. Theorems of Bolzano-Weierstrass and Heine-Borel. Properties of continuous functions and applications. Integration theory for functions of one real variable. Sequences of functions.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 354 Financial engineering 354

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WST 211, WTW 211 and WTW 218

Contact time: 1 tpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

Mean variance portfolio theory. Market equilibrium models such as the capital asset pricing model. Factor models and arbitrage pricing theory. Measures of investment risk. Efficient market hypothesis. Stochastic models of security prices.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 381 Algebra 381

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114 and WTW 211

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

Group theory: Definition, examples, elementary properties, subgroups, permutation groups, isomorphism, order, cyclic groups, homomorphisms, factor groups.

Ring theory: Definition, examples, elementary properties, ideals, homomorphisms, factor rings, polynomial rings, factorisation of polynomials. Field extensions, applications to straight-edge and compass constructions.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 382 Dynamical systems 382

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 218 and WTW 286

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

Matrix exponential function: homogeneous and non-homogeneous linear systems of differential equations. Qualitative analysis of systems: phase portraits, stability, linearisation, energy method and Liapunov's method. Introduction to chaotic systems. Application to real life problems.

This module is offered by the Faculty of Natural and Agricultural Sciences.

WTW 383 Numerical analysis 383

Academic organisation: Mathematics and Applied Mathematics

Prerequisite: WTW 114, WTW 128 and WTW 211

Contact time: 2 lpw 1 tpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 18

Module content:

Direct methods for the numerical solution of systems of linear equations, pivoting strategies. Iterative methods for solving systems of linear equations and eigenvalue problems. Iterative methods for solving systems of nonlinear equations. Introduction to optimisation. Algorithms for the considered numerical methods are derived and implemented in computer programmes. Complexity of computation is investigated. Error estimates and convergence results are proved.

This module is offered by the Faculty of Natural and Agricultural Sciences.