

**Leer en Onderrig VS Strategie & Plan vir 2018,
insluitende IKT in L&O verslag
Learning & Teaching RC Strategy & Plan for 2018,
including ICT in L&T report**



27 September 2017
SU Council / US Raad

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Viserektor (Leer & Onderrig)

Introduction / Inleiding

- This presentation highlights some aspects of the **Learning and Teaching Environmental Plan 2018-2013**

Reminder: The 8 L&T Strategic Foci remain (ref. E.P. § #)

- Focus #1: **Excellence in Learning and Teaching** (§ 5.2.2)
- Focus #2: **Student Access with Success** (§ 5.1.1.1)
- *Focus #3: **Size and Shape** (§ 4.1.1.1)
- *Focus #4: **Programme Renewal** (§ 5.2.4)
- Focus #5: **Multilingual Programme Offering** (§ 5.2.5)
- ***Focus #6: **ICT for Learning and Teaching** (§ 5.2.3)
- *Focus #7: **New Knowledge Markets** (§ 4.3.1.2)
- Focus #8: **Student Financial Support** (§ 4.2.1.2)

1. Excellence in L&T /Uitnemendheid in L&O

L&T Excellence is the confluence of:

- **Quality academic departments & programmes** (confirmed by robust external evaluation)
- **Academics' & PASS skills & dedication** (professional development & scholarly)
- **Curricular pedagogy & co-curricular support to students** (tracking)

Acknowledgement and promotion of good Learning & Teaching

- All faculties made L&T part of annual performance evaluation & explicit promotion criteria
- L&T contributions included in Appointments Committee(S) template
- L&T Hubs in Faculties, incl. devolved CTL & CLT support staff; sharing of good practices
- Institutional award for L&T Excellence (like Research Excellence award)

1. Excellence in L&T /Uitnemendheid in L&O

Continuous Quality Enhancement

- Quality Committee: Reports, improvement plans and follow-up reports of 38 SU entities were considered from January 2016 to June 2017
- Participation in the second phase of the national Quality Enhancement Project (QEP) on the theme "Curriculum", as coordinated by the Council on Higher Education (CHE).
- All divisions of the L&T RC were simultaneously externally evaluated in May 2017.
- Online student feedback system: regular diagnostics to improve L&T during the semester

US Uitnemende L&O agv gehalte programme aangebied met uitstekende personeel, prosesse & fasiliteite.

2. Studentesukses / Student Success

Student Success = Graduates who have been prepared (ito knowledge, capabilities, personal qualities) to thrive and contribute in a fast changing economy and in turbulent, demanding global, societal & personal contexts (Kuh 2008)

Student access with success:

- Admissions Policy approved by Council on 11 February 2017 (academic, diversity + socio-economic)
- Residence placement policy. CBIA: 29%(2012) to 43.5%(2017)

Module-based success rate of undergraduate and ALL postgraduates:

Measured (available data to date)

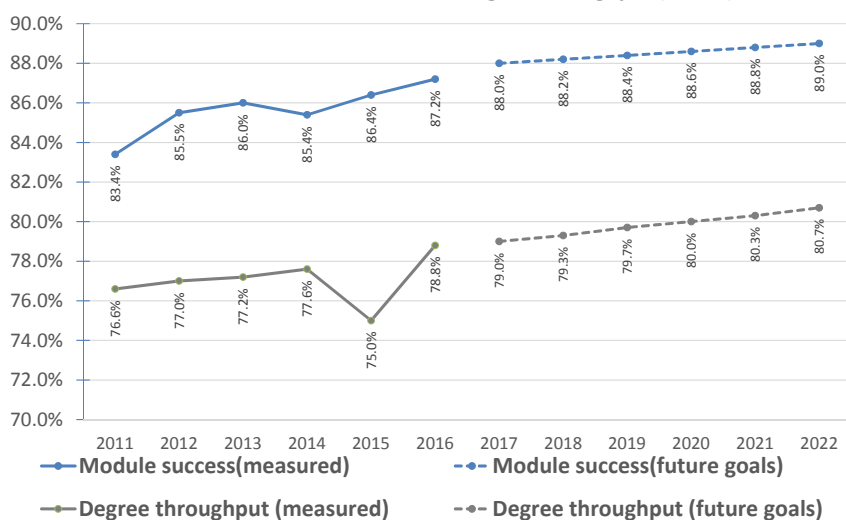
2011	2012	2013	2014	2015	2016
83,4%	84,9%	85,9%	85,1%	86,7%	85,9%

Goals (for the next 5+ years)

2017	2018	2019	2020	2021	2022
85,3%	85,2%	85,1%	85,0%	85,0%	85,0%

Success of Undergraduate and Hons.

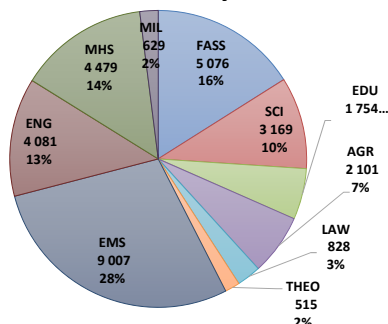
U.G. & Hons.: Module Success & Degree Throughput (<=n+2)



3. Grootte & Vorm; Studente Diversiteit Size & Shape; Student Diversity

June 2017:

- **Total SU 31 639** (30 854 in 2016)
- **10 440 (33%) PG**
- **CBIA students**
 - **First years 37,4%** (2016 34,8%)
 - **All UG & PG 40,1%** (2016 38,7%)
 - **PG 48,7%** (2016 48,1%)



All SU (UG+PG) students	Actual Enrolment	Target	Projections for the period 2018-2022 according to enrolment planning of faculties				
			2018	2019	2020	2021	2022
TOTAL	31 639	31 658	31 646	31 978	32 357	32 641	32 854
% CBIA	40,1%		41,3%	42,9%	44,1%	45,7%	46,8%
SMI4 target		41,1%	42,7%	44,5%	45,8%	48,3%	?? %

4. Programme Renewal: Implementation Programvernuwing: Implementering

Imperatives:

- Changing job market & pedagogies of Higher Education
- High work loads on staff & financial viability of faculties

Faculties select programmes for comprehensive renewal 2017:

- Admission criteria; Student support
- Student centred learning culture; Utilising ICT (before, during & after lectures); More effective assessment (Shorter & Feedback fast)
- Curriculum redesign (SU a new African University),
- Prof Gilly Salmon Workshop took place in May 2017; added systematic rigour and impetus to programme renewal

- Personeelproduktiwiteit reeds by optimum (hulpbronne & prosesse)
- Sistemiese verbeteringsgeleentheid lê nou by produkverbetering (programvernuwing) sonder gehalteverlies

4. Programmes under Renewal (since May 2017 Workshop) Programme onder hersiening

Faculty	Programme(s)
Agrisciences	BSc (Conservation Ecology)
Arts & Social Sciences	BA (Language & Culture)
Economic & Management Sciences	BComm (Mathematical Sciences)
Education	Two MPhil programmes
Engineering	Aspects of all BEng programmes
Law	LLB
Medicine & Health Sciences	MB,ChB
Military Sciences	BMil (Science & Technology)
Natural Sciences	BSc (Earth Sciences)
Theology	BTh

The way forward:

- Carpe Diem Workshop levels: Programme => Modules => Programme levels
- Complete Programme redesign: Prgm Outcomes & Threshold Concepts
- Review all exit level modules; then complete scaffolding modules renewal
- 2 year process, but start new programme wave in 2018, etc.

5. Meertalige Programaanbod Multilingual Programme Offering

New SU Language Policy from 2017:

- Equitable access to SU knowledge offering via preferred language of learning
- Inclusive multilingualism: Afrikaans, English and isiXhosa
- Institutional financial support for parallel medium instruction & interpretation

Modes of teaching:

1. LP §7.1.3: A & E in separate classes ; with integrative tutorials
2. LP §7.1.4: All information at least in English; + emphasizing in Afrikaans
3. LP §7.1.5: Single language (E or A); + interpretation at least in 1st year

Total module credits offered @SU	Former	2016 (actual)	2017 (actual)	2018 (target)	2022 (target)
1. A & E in separate class groups	A&E	13,3%	19,5%	22,9%	25,0%
2. E & A in undivided class group	T, A+i, E+i	63,4%	59,0%	64,0%	60,0%
3. A or E to class group	A or E	23,3%	21,5%	13,0%	15,0%

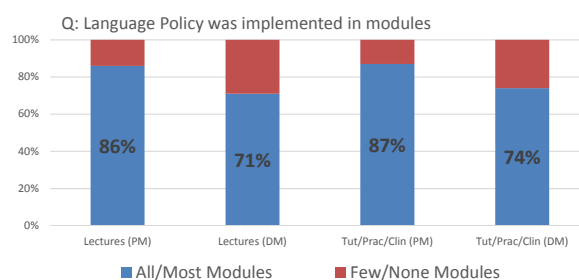
'n Insluitende meertalige aanbod wat 'n unieke onderskeidende bate van US is

5. Meertaligheidsimplementering Multilingual implementation

New SU Language Policy 2017:

- Faculties & RC submitted Language Implementation Plans Jan 2017
- Implemented from 1st Quarter 2017; 1st Semester reports received
- Challenge in High Court 14 Aug 2017: to set aside 2017 LP & on implementation

E-Survey all UG (19 935) students 3-10 Mar 2017; On language experience in and out of class; 24% response rate :



'n Meertalige aanbod wat 'n unieke onderskeidende bate van US is

6. ICT in L&T / IKT in L&O

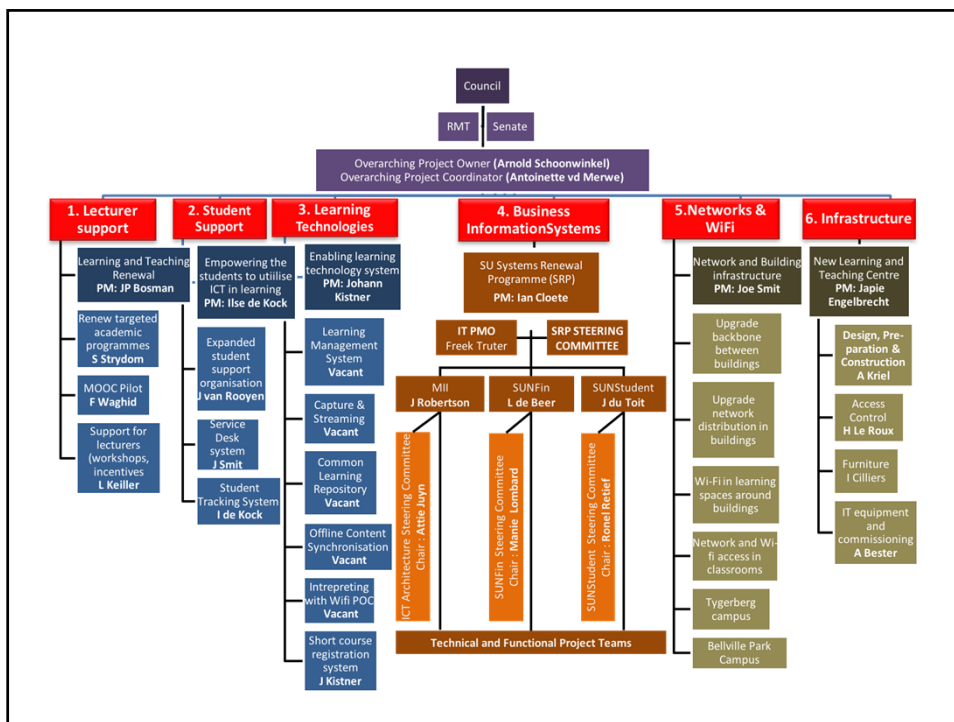
Enabling technology

- ICT in L&T allows SU to combine direct-contact teaching with open & flexible learning
- Learning anywhere and any time:
 - for residential students
 - and particularly for Learn&Earn students
- Essential technology platform to expand SU knowledge markets & offer Mode2

Latest progress on SU Council ICT in L&T investment (year 4 of 5)

1. Lecturer support: ICT/Blended learning coordinators appointed in every faculty
2. *SunLearn* LMS on cell phones & tablets; *SunStream* on Adobe platform since Jan'17
3. SU MOOC "African Philosophy of Edu." 2nd offering in 2017 => 5000 participants; 38,5% completion rate. New SU MOOC developed with FHMS.
4. Fibre-optic network: all campus Routes 100% complete
5. WiFi roll-out: 73% of classrooms now serviced for multiple devices per student
6. Teaching&Learning Centre: Construction to commence in Oct. 2017

IKT is 'n vereiste vir moderne onderrig en instaatsteller vir nuwe kennismarkte



1. Lecturer Support

Blended Learning Coordinators (BLCs):

Total of **55 person years** support for ICT in L&T

Faculty	2014	2015	2016	2017	2018	2019	2020
AGRI							?
ARTS							?
EMS							
EDU						?	?
ENG						?	?
LAW						?	?
MHS							
MS							
SCI							
THEO							
USB							

FUNDED

YEARS

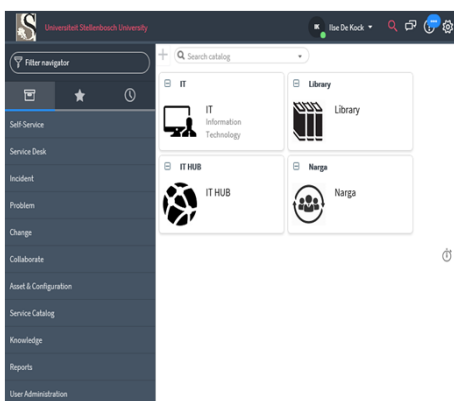
ICT	20 (5 BLCs x 4 years)
TDG	16 (4 BLCs x 4 years)
Faculty	19 (2 BLCs x FT)

54 Published Blended Learning Case Studies

<http://bit.ly/blresources>

2. STUDENT SUPPORT

Supporting Students as they utilise ICT in learning

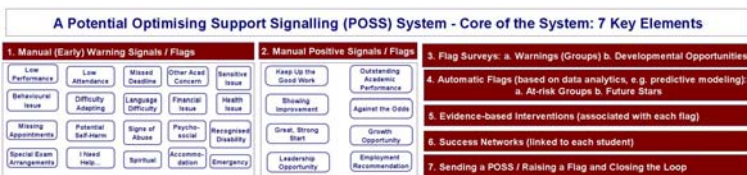
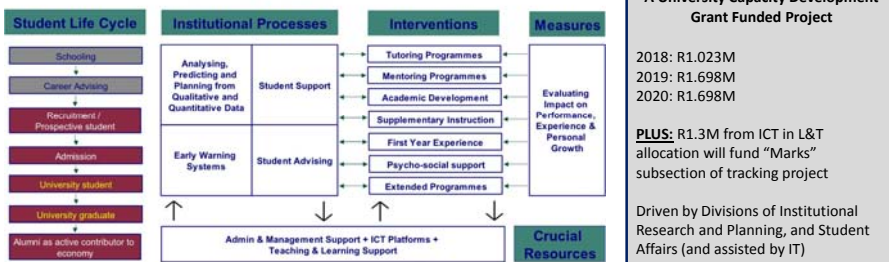


1. ServiceNow
 - Service desk software for IT service management (ITSM)
 - The ServiceNow Express version has been running in production since May 2017
 - FREE upgrade for this version (ITSM) to Enterprise, within next 6 months
 - Cost & Sustainability:
 - High cost
 - All stakeholders contribute
 - High load on IT's budget
2. Student Tracking
 - See next slide

2. STUDENT SUPPORT (cont.)

Student Tracking

A system for tracking and improvement of student success



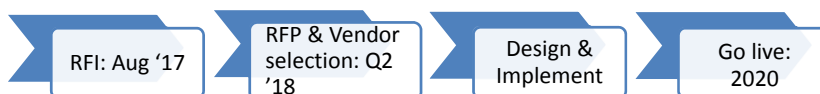
Iterative and incremental development to deliver a workable proof of concept by end of 2020

3. Learning Technologies Projects

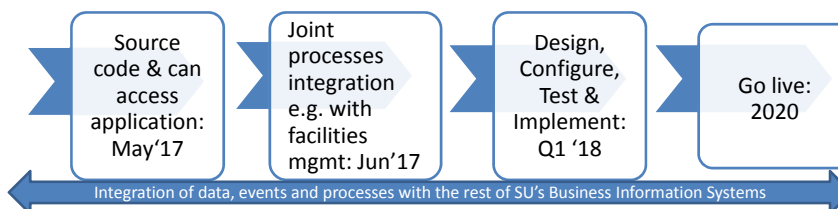
- **Learning Management System (LMS):** further improvements on server infrastructure for *SunLearn*
- **Video and broadcast recording:** plan for uptake of Mode 2 learning (mostly off-campus online) via *SunStream*
- **Offline content synchronisation:** combine with Multimedia content server. Already delivering sync function in mobile apps
- **Interpreting over Wi-Fi:** delay in favour of dual language streaming
- **Short course registration system:** in planning, to proceed

4. Business Information Systems Renewal SUNStudent & SUNFin

- SUNStudent, the development of a new student information system, terminated its involvement with the Quali community, and a new commercial SI System(s) will be procured. This requires replanning of the project.



- SUNFin strategy remains the implementation of NWU's South Africanised version of Quali Financial System (KFS).



Prof. I. Cloete, Division for Institutional Research and Planning,
R. Pina & F. Truter, Institutional Software Solutions, IT Division, Stellenbosch
University

2017-09-18

5. Networks and WiFi



Spending until the end of July 2018: R63M of R130M = 48%

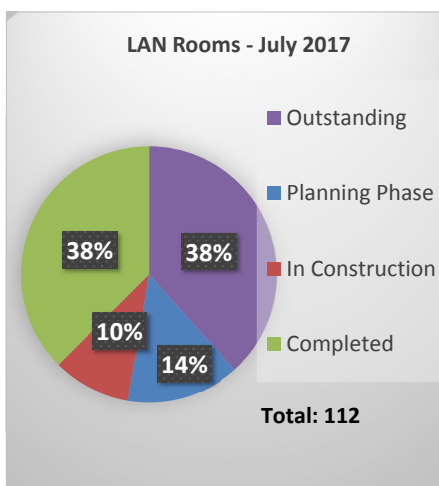
Fibre routes between buildings: Completed

Network rooms:

Total number of network rooms in buildings planned: 112

- Number of network rooms in buildings already connected via cable or installation in process: 69
- Number of network rooms in buildings outstanding: 43

Wifi: 77% of all classrooms have WiFi



6. New Learning and Teaching Centre

INTERIOR PERSPECTIVE VIEW proposed learning and teaching centre

005

VIEW TOWARD COVERED WALKWAY FROM NEELSIE ENTRANCE

New Proposed Learning and Teaching centre with context as viewed from Perseus Walkway

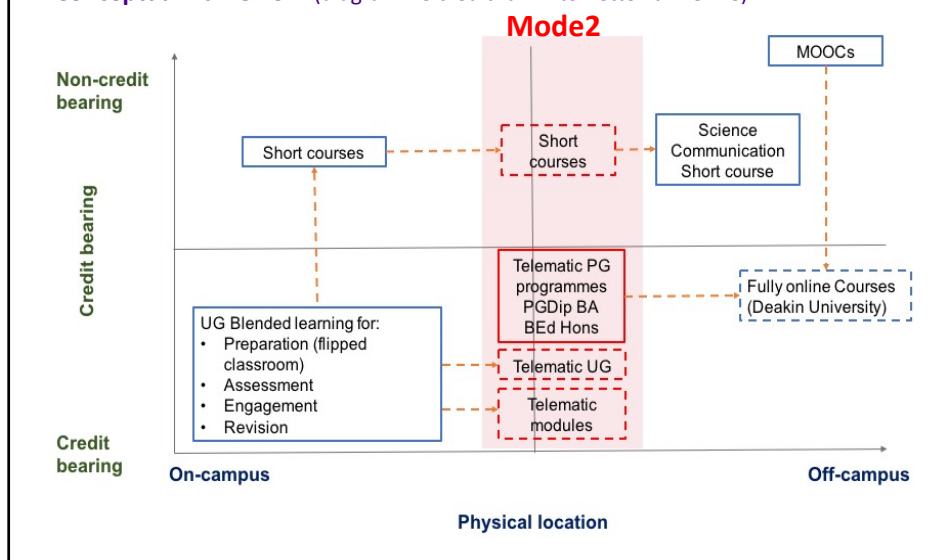


NEW LEARNING & TEACHING CENTRE
 NUWE LEER & ONDERRIG SENTRUM



7. New Knowledge Markets/ Nuwe Kennismarkte

Conceptual framework (diagramme credit: dr Antoinette vd Merwe)



7. Mode 2 concepts/ Modus 2

Aims:

- Package SU's teaching expertise (existing) in new ways (blended learning) for new markets (**Learn & Earn students**)
- **Build on strengths of Mode1 programmes**
- Exceptional digital experience for Mode2 students
- **Use academics' time and year calendar efficiently**
- Scalable growth to escape limits on SU physical infrastructure & student numbers

The concepts:

1. Mode2 offering "on top of" Mode 1
 - Teach to Mode1 class; *simultaneous* SunStream to Mode2 students;
 - **Archive (podcast) lectures for asynchronous learning by Mode1&2 students**
2. Synchronize tests (A1), exams (A2 & A3) for Mode1&2, but at distributed centres
3. Afford Mode1 students a "study week" before exams; then shorten exam periods
4. **3 Face-to-face block sessions for Mode2 students: before, mid- and after semester**
5. Mode2 income applied towards:
 - ICT infrastructure; assessment centre rental
 - Additional academic staff
 - Teaching assistants for extended hours of online consultation; assessments

7. Year Calendar changes (2019)/ 2019 Jaarprogram-aanpassings (Sem.1)

JANUARY							FEBRUARY							MARCH								
DAYS in MON 31							DAYS in MON 28							DAYS in MON 31								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
		1	2	3	4	5						1	2						1	2		
		New Years Day																				
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9		
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16		
						E4.1b E4.1c																
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23		
						E4.2b E4.2c									Test	Test	Test	Human	Test	Test		
27	28	29	30	31			24	25	26	27	28			24	25	26	27	28	29	30		
						1.1a 1.1b 1.1c								Test	Test	Test	Classes	or P.H.				
													31									
Q1=	30	M2 class days (before M1 35 days)												Sem1 Test Da=	8	ALL GRADUATION CEREMONIES IN MAR (in TEST week)						
APRIL							MAY							JUNE								
DAYS in MON 30							DAYS in MON 31							DAYS in MON 30								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
	1	2	3	4	5	6				3	4	5	6							1		
										Labour Day												
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8		
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15		
					Good Friday																	
						8.1.1c																
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22		
						2.5a		Study	Study	Study	Study	Study		17	18	19	20	21	22			
						2.3b		Mode2	Face2	Face	Block&P	Pracs		Youth Day		1stSem	2ndOpport	Exam				
						2.3c																
28	29	30					26	27	28	29	30	31	23	24	25	26	27	28	29			
						2.6a 2.4b 2.4c		1st Sem	1st Opport	Exam				1stSem	2ndOpport	Exam						
Q2=	30	M2 class days (before C1 31 days)						Sem1 1st Exai=	15	M2 day:(before C1 18 days)						Sem1 2nd Exai=	12	M2 day:(before C1 15 days)				

8. Student Financial Support/ Studente Finansiële-ondersteuning

- **B&L Centre has limited influence on the income** (they distribute what is received):
 - some bursaries have restrictive requirements (e.g. NSFAS, Thuthuka, some bequests)
 - some funds give SU more discretion (e.g. some donors, SU main budget)
- **Students' needs for financial support will always exceed the available resources**
- **B&L Task Team should consider 3 scenarios:**
 - Total funds remain the same, but financial need realities change
 - Total funds decrease: where should the cuts be made?
 - Total funds grow: where should financial aid be expanded?
- **3 broad categories for financial support** (Modelling the implications of changes to inform the strategy behind relative allocations):
 - Rewarding academic excellence
 - Broadening student ethnic diversity
 - Access for socio-economically disadvantaged students (ref. new Admissions Policy).

8. Financial Aid Recommendations Sought/ Finansiële-ondersteuning aanbevelings

- **B&L Task Team may make recommendations on financial support models that are sustainable i.t.o. :**
 - Meeting the complete financial needs of students: Study fees, Accommodation, Books & Living
 - More complete bursaries to fewer students ?
 - The financial aid resources available
- **Other recommendations sought from B&L Task team:**
 - Criteria for when financial aid to a student should be terminated, or reinstated
 - Scaling the financial support according to student/parent/guardian's means to co-invest (for all types of bursaries?)
 - Processes & technology to streamline bursary applications, allocations & administration
 - Bursaries versus loans as means of financial aid
 - How to co-ordinate financial aid from SU institutional, faculty and external sources
 - Innovative SU-State-Private partnerships for student financial aid



Thank you for exciting partnerships in L&T

Dankie vir opwindende vennootskappe in L&O



Education is the most powerful weapon we can use to change the world

- Nelson R Mandela