

Academic and Administration Assistant Proposed process for selecting for the position established in the proposed Centre for Fibre Science and Technology and Materials

Division of Sciences

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Professor Keith Hunter, Pro-Vice-Chancellor (Sciences)
on behalf of the University of Otago

steps to position itself to meet future demands of its operations situation is forecast to continue for the foreseeable future. The Division of Sciences needs to take first year (in part related to changes in University Entrance), and international students. This The University of Otago as a whole, including the Division of Sciences, This is attributed to a reduction in effective full time students (EFTs), particularly at is facing financial

that its research and external engagement meet standards of excellence expected of a leading institution The second issue faced by the University of Otago, including the Division of Sciences, is to ensure

It is in this context that a Review of the Department of Applied Sciences was conducted late 2014.

expected to join, perhaps leading to a School of Applied Sciences funded from the Division of Health Sciences and the Division of Sciences), and other staff were term part-time (0.15FTE) positions in Bioengineering and Nanomedicine were created (one each Divisional Office and currently reports to the Pro-Vice-Chancellor, Sciences. Sciences Programme was initially based in the Department and that Programme administered from disestablished. The major subject, Design Studies (for the Bachelor of Arts, and the Bachelor of (DETE) major for the BAppSc substantially modified from 2012. The Director of the Applied Consumer and Applied Science (BA, BCApSc) was phased out, and the Design for Technology Textile Sciences, with some elements of the Department of Design Studies, the latter having been of the The Department of Applied Sciences was established in January 2011. This involved the transfer Department. Clothing and Textile Sciences group in the Department of Food Science, Clothing 5 2014 the Director of Applied Science Programme was ᆿ reassigned to 2010 two fixedand

research activity to enhance research informed teaching; and a need to increase externally-derived There were several reasons for this change: the reduction in student enrolments in the Department (from over 200 EFTs in 2005 to under 140 in 2009¹); a need to increase

^{1 209} EFTs in 2005; 136 EFTs in 2007; 139 EFTs in 2009

realised: Clothing and Textile Sciences EFTs have remained stable (although low) and at the end It was anticipated that the new Department would create increased EFTS. 31 December 2014 were approximately 42 EFTs 2014, were approximately 27 EFTs; Design for Technology EFTs have continued to fall and at This has

(postgraduate) are small as would be expected with this new development. Technology. While enrolments in Clothing and Textile Sciences remain low, this programme Additionally, $\boldsymbol{\omega}$ reasonable ₹. 2015 there were proportion <u>್</u>ತ no new postgraduate student enrolments postgraduate students². Enrolments ₹ Bioengineering ⋽. Design ď

this situation is not unique, the financial shortfalls are of concern and cannot be sustained allocation from the Division of Sciences to cover all costs to the Department is approximately \$2m. Therefore, Gross income for the Department is currently \$1.34m, and the salary budget alone is the Department is being subsidised by other academic units in the Division. Although \$1.5m. The

Otago's University's expertise was well positioned to support further. A third report directly relevant to fibres and materials was completed during 2014 'Growing and members of the Department began working on this. A second report was commissioned in party was established to discuss and advise on the feasibility of developing a major in aspects of medicine leavers and opportunities to leverage further from existing expertise that the University has in materials science Department was facing, and that I was considering what could be done to improve this. In April 2014, I met with the Department and advised them of the precarious financial situation the Primary Industries Research' and dentistry. Holdsworth concluded that there were opportunities worth exploring to report on any prospects or new programme initiatives that may attract school The working party concluded that such a major could be developed and highlighted opportunities which A working

their success in securing external research income from non-traditional sources of the University, although noted that the Clothing and Textile Sciences group was performing very review panel concluded that overall, the Department as a whole was not meeting the formal Quality Advancement Review of the Department took place to expectations of delivering excellence in research and academic outputs, and with in December 2014. expectations

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² 15 postgraduate students (5 EFTs) as at 31 May 2015

potential for further growth in these areas development of the CLTE 9 dental health. The panel was complimentary about the scholarship, alignment with industry and resource in materials, and the opportunity for further research and application in medical recommended that the total number of papers be rationalised, noting the potential for further The panel also noted the large number of papers offered that led to, in some cases, over-emphasis undergraduate teaching group, and a മ consequential under-emphasis unique NZ resource, Ö be strengthened with additional on research. The panel

and "where there are areas of academic endeavour which are not strong, decisions will continue to effectiveness. Those that do not support the University's goals will be modified or discontinued carefully scrutinising our internal activities, processes and structures for both efficiency and or ending our involvement" 3 be made either to investing in improving performance or to reorganising and, if required, The University of Otago Strategic Direction to 2020 document states that we are committed reducing

Direction

financially sustainable, in order that it can grow aligns with the strategic imperatives of the University⁴. This new Centre needs time to become terms of both educational needs and New Zealand's external and industry requirements, students, promotes strong research activity and scholarship, is responsive to our national goals in science/technology/biomaterials area and develop a Centre that delivers excellent programmes to both a Division and a University, we recognise there exists an opportunity to enhance our fibre and

from continuing to develop these initiatives. This will necessitate some change to staffing, current to build on research opportunities that exist in the fibre science and technology, materials, biomaterials areas. However, we first need to address budget concerns which currently prevent us refine and broaden relevant offerings in both undergraduate and postgraduate areas, and continue provide alternative academic pathways which lead to new EFTS income streams. We need to Any developments in the academic programme need to meet changing needs in science, and , and a commitment and plan to strengthen our research focus

^{3;} Imperative: Sustaining Capability 4 University of Otago Strategic Direction to 2020; Imperative: Strong External Engagement

order provide for staff and students in The Centre and to attract research visitors and postgraduate students. This is a critical part of becoming a successful and recognisable Centre We also urgently need improved physical facilities for teaching, and especially for research,

Overview of Proposed Changes

- S T of Applied Sciences be disestablished (working title) be established in the Division of Sciences. It is also proposed that the Department proposed that a Centre focusing on Fibre Science and Technology, and Materials Science
- Ņ is is Sciences be disestablished transferred to this Biomaterials proposed that academic and Bioengineering groups Centre, and that other academic positions in the Department of Applied positions currently from the 5. Department of Ħ Clothing and Textile Applied Sciences Sciences, be
- ယ It is proposed that the permanent position of Hard Media Technician, currently located in the Department of Applied Sciences, be transferred to the Department of Food Science
- 4 It is proposed that all other general staff positions in the Department of Applied Sciences be disestablished, and one general staff position be established in The Centre
- O It is proposed that a new major in the field of Fibre Science and Technology, and Materials Sciences (CLTE), and Design for Technology (DETE)) will be phased out from their current Science be introduced; and that existing papers and major subjects (i.e. Clothing and Textile

Specific details of the proposal are provided as follows

u u ω Centre Ö 0 5 0 T T T Science Qο Š jechnology, Department of ည ၁ Ω Applied

The University proposes with the Centre and monitor its performance in relation to academic and financial expectations become financially sustainable as quickly as practicable, and the Divisional office will work closely research collaboration (i.e. odour volatiles, biomaterials). The proposed Centre will be expected to currently share some facilities, resources, and equipment, and that there are existing areas of proposed the Centre 7 is proposed that a new Centre and Technology, and Materials is co-located with the Department of Food Science, to retain academic capability in the disciplines of fibre science 00 established in the Division of Sciences focussing on Science. For efficiency in support-related costs, given both groups and

activities in The Centre by agreement Sciences, to the Department of Food Science. <u>s</u> proposed to transfer the position of Hard Media Technician from the This position would support research and teaching Department of

technology, textiles, materials, and biomaterials

teaching, research and administrative activities One new permanent general staff position is proposed for The Centre support the Centre's

ଊ proposed to disestablish all remaining positions in the Department of Applied Sciences

academic and professional development), and international students. subject will major in the fibre science and technology/ materials/ biomaterials areas. This proposed new major research active. The Director will be responsible for developing and implementing a new degree service role in an academic position, and of Department and has a permanent position as Professor, be appointed Centre Director, Leadership of the Centre: It is proposed that Professor Raechel Laing, who is the current attract new EFTS term period to be discussed. Much like a Head of Department, this position would be a 0 designed to address needs of school communities, those in work (continuing as such, the incumbent would be expected to remain The major is expected for a

strong linkages with academic departments, external industry and other groups, and establish The Together with the Pro-Vice-Chancellor, Sciences, the Director will facilitate further development of

achieving the aspirations for excellence as identified in the University's Strategic Direction as a national/international leader for fibre science and technology/ materials science, thus

collaborate with administrative and other support requirements space and equipment and I would expect the Department of Food Science and The Centre to its current location, and share resources wherever possible. proposal is implemented, The Centre would remain alongside the Department of Food Science in were once part of the same Department, for efficiency of resources, it is proposed that if this Textile Sciences group is presently co-located with the Department of Food Science, and that they Location of the Centre: Although this is യ secondary issue, Both groups currently share given that the Clothing

David 2 building project is a desirable option, and should this proposal proceed, I intend to pursue staff, and students from both the domestic and international market. order to enhance our ability to offer nationally and internationally competitive facilities for academic It is critical that the University invests in an appropriate facility for Food Science and The In my view, the current St

subjects at that time. established at the end of 2015, and the Department of Applied Sciences would be disestablished Thefane for the establishment of The Centre: Appendix 1 outlines the proposal to manage the transition of content of the major It is proposed that the Centre would

Impact of proposal on existing academic positions

<u>≅</u> consolidation of the current direction and provide the basis for extended scope. are proposed to transfer into The Centre are as follows: proposed that academic positions in the Clothing and Textile Sciences, from the Department of Applied Sciences be transferred to The Centre The positions that and Biomaterials ð ensure

Position	Focus and academic expertise
Drofessor	Academic leader, research and teaching. Academic expertise in Fibres/ textiles -
	structure, function, performance, development
2 ETE Associate	Research and teaching. Academic expertise in Fibres/ textiles - structure, function,
professors	performance, development; and Computational modelling, fluids, modelling and
7.000	performance of materials

OPPROMETER OF THE PROPERTY OF	The second secon
	Fellow
Professional practice performance, development	Professional practice
Teaching and research support and expertise in fibres/textiles - structure, function,	1 (0.5 FTE)
function, development	
analysis, structure, function, conservation; and Fibres, biomaterials - structure,	lecturers
Research and teaching. Academic expertise in Materials and human culture -	2 FTE Senior

Chancellors of Science and Health Science The future location of Bioengineering capability is currently under discussion with the Pro-Vice-

the remainder of the current agreed fixed-term period. term positions will transfer to The Centre, the Divisional Office, or elsewhere in the University, for No changes are proposed to existing fixed-term positions, and if the proposal proceeds, any fixed

Impact of proposal on Hard Media Technician position

informally among staff in relation to instrumentation and plant required for teaching and research, currently shared Science, continues to be available to both groups Sciences, would transfer to the Department of Food Science. This is to ensure that the capability It is proposed that the Hard Media Technician position, currently in the Department of Applied in the Department of Applied Sciences and the Department of Food

å • impact of proposal on other General staff positions

proposal proceeds and The Centre co-locates with the Department of Food Science, this position the Department of Applied Sciences would be disestablished, and one new position established in would also work closely with administrative staff of that Department It is proposed that (with the exception of the Hard Media Technician) all general staff positions in The Centre to undertake administrative tasks and support research and teaching activities. If the

A draft position description is included for consultation. the new position been provisionally evaluated at Level 5. Staff affected by this proposal would be able to apply for This proposed position description has

Summary of impact on current permanent positions:

would be a reduction of 7 permanent positions (6.1 FTE overall): This proposal would result in the disestablishment of 8 permanent positions. The overall impact

		General							A	cadem							
Total impact		Other Technical/Admin			Hard Media Technician		Computing Advisor	By the state of th	Professional Practice Fellow	Senior Lecturer	Professor / Associate Professor	Position					
	15 (13.6 FTE)		2 2.0			2 · · ·						4	4	ω	חו	positi ons	Current
						1.0	1.0	!	96	4.0	3.0	 	total	rent			
	8 (7.					-	0		-	2	3	n=	positi ons	Pro			
	8 (7.5 FTE)		1,0			10	0.0	9.0	כ	2.0	3.0	FTE	total	Proposed			
FTE) overall	Disestablish 8 positions. Reduction of 7 positions (6.1	reduction of 1 FTE	establish 1 position. Overall	Disestablish 2 positons,	FOSC	No change, relocate to	Disestablish	Overall reduction of 2.1 FTE	Disestablish 3 positions	Disestablish 2 positions	No change	2027					

Proposal to disestablish current majors and introduce new major

an appropriate title Materials science. Where it is appropriate to do so, existing papers will be re-constituted and given It is proposed that the major subjects, Design for Technology (DETE) and Clothing and Textile will be phased out, and a new major developed in Fibre Science, Technology, and

I have not proposed any major change to existing papers in Bioengineering.

Otago degree. Pathways will be provided for every student with a declared major in DETE committed to supporting our existing students who are enrolled in DETE majors to complete their Potential impact for existing students: Should this proposal proceed, the University

already assured the President of OUSA that I am committed to minimising disruption and unrest for DETE major proceeds, we would work through pathways for completion with every student. I have There our student community. year and who are expected to complete their degree this year. If the proposal to disestablish the 2015), 19 students in their second or third year of study, and 22 students who are now in their third are currently 57 students enrolled for a DETE major: 16 first year students (enrolled ⊒.

Thancial analysis

provides a funding allocation to the Department of \$1.92 million (including PBRF) which includes a central overheads have been removed. budget information: subsidy of \$835k. The Department currently earns \$1.084 million of income from funding, The table below illustrates the financial impact of this proposal, based on 2015 Under the current system, the Division of Sciences fees, and PBRF

-\$497,002	\$338,877	\$835,879	Subsidy from Divisional Office
-\$1,052,609	\$867,391	\$1,920,000	Funding allocation from Divisional Office
-\$555,607	\$528,514	\$1,084,121	Funding Allocation ex Financial Services
-\$147,740	\$112,486	922,003€	reduction to meet surplus target)
1	3	9	Central overheads (Service divisions, Committees,
-\$703,347	\$641,000	\$1,344,347	Income from SAC funding, fees and PBRF
\$ Impact	Proposed	Current	

this proposal will therefore result in anticipated savings to the Division of Sciences of \$497k⁵ required to provide a subsidy, however this would be at a reduced level of approximately \$339k: Sciences would reduce from \$1.92 million to an estimated \$867k. Furthermore, the proposed model indicates that the funding allocation from the Division The Division would still be

Externally-funded research income has fluctuated since 2011 from \$157k (in 2011), to \$490k (in

⁵ Excluding the cost of transferring one position to the Department of Food Science

2013). Biomaterials/Bioengineering funded research income was generated from research in either Clothing and Textile Sciences or in In 2014, the total external research income was \$370k, and in 2013 and 2014 all externally-

financial goal is for the Centre to be a successful and profitable unit with strong external research foundation, I propose that the Divisional Office would manage the finances of The Centre. In order o t ensure that The Centre establishes itself with a financially strong and sustainable

Consultation

proposed in this Management of Change document. university is committed to its obligation to consult with staff and Unions about the changes

ZIIIS employment agreement proposal and process is being managed under the University process (MoC) which can be found on the HR website and is contained in your of Otago Management of

on the proposed changes. The University of Otago Senate has also been briefed on the proposal. Approval has been sought from the Office of the Vice Chancellor to commence consulting with staff

The consultation process will include

- provision of this document;
- 0 provision of such information (subject to commercial confidentiality being protected) to enable employees and the Unions to form a view;
- 0 employees and the Unions having the opportunity to make submissions, and
- 0 consideration of submissions before a final decision is made

This invitation is important: you need to carefully consider the proposal so we ensure the changes The aim of this consultation is to ensure that all parties have an understanding of the objectives of Before workable and will achieve the aims changes proposed, and an opportunity to respond to these before final decisions are made final decision is made, you are invited to provide feedback about the proposed changes.

Let me stress that this is a proposal and any feedback you provide will be carefully considered.

You are encouraged to discuss this proposal widely and seek advice

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The expected timeframe for the Management of Change process is as follows:

Monday 29 June 2015 (today) Consultation period in attendance documentation. Divisional HR Manager, HR Director and Unions commences: Staff receive proposal

not be available the week of 6 - 10 July. available outside these times by appointment via my EA. July should anyone wish to speak with me. 10am and 3pm, and between 9am and 12pm Wednesday 15 individually or in groups. On Friday 3 July I am free between During the consultation period I am available to meet with staff I will also be

Monday 20 July 2015 consultation with staff. Submissions close further information 핰 5.00 p.m. may be Depending on feedback required 윽 further

Final decisions announced

By mid August

Staff will be informed in writing of the final decision.

Division of Sciences) and reach her no later than 5.00pm on Monday 20 July 2015 Your written submission should be addressed to Jane Stumbles (Divisional HR Manager,

Information outlining other support that is available from the University is enclosed in this pack. Change You are welcome to contact me or our Divisional HR Manager Jane Stumbles, on extension 8150 process. jane.stumbles@otago.ac.nz about the information provided, or the Management of You are also entitled to seek independent advice and representation.

Conclusion

is enclosed with this proposal. to make use of the University's Employee Assistance Programme (EAP). A brochure outline EAP I recognise that change processes are demanding on all involved and accordingly I encourage you

submissions. Thank you for taking the time to read this proposal. I look forward to receiving your written

What

Professor Keith Hunter,
Pro-Vice-Chancellor Sciences

Appendix 1: Proposed timeframe for transition

If the 2016 academic year, and the Department of Applied Sciences would be disestablished at that proposal proceeds the Centre would be established by 30 January 2016 in readiness for the

The following table highlights how it is proposed to manage the transition of academic papers:

2018		2017			2016					2015		Year
	'n	Ву	=	;]	Ву	0	0		9	0		D D
	- new 300-level papers	By Feb AppSc BoS:		= new 200-level naners	By Feb AppSc BoS:	new 100-level paper	new regulations (major(s)/minor(s)	DETE majors/minors	regulations for change to BIOE, CLTE,	indicative full proposal		Year Paperwork
300-level papers		200-level papers			100-level paper					TO THE PARTY OF TH	introduced	New papers
	required	300-level papers not	i eduli ed		200-level papers not					100-level DETE paper	for last time	Existing papers taught

following: stakeholders Togarding external 5 Ö S Department proposed <u>Q</u>, Applied transition Sciences, ე ი sought from 50

Anthropology and Archaeology Departments within the Divisions of Sciences and Health Sciences, and the Department of

Centre for Bioengineering and Nanomedicine (University of Otago, Dunedin hub)

Applied Sciences Board of Studies and Industry Advisory Board Academic and Advisory Boards, including Bioengineering and Nanomedicine Advisory Board,

Zealand (IPENZ), and the Design Institute New Zealand (DINZ) Professional institutes including the Textile Institute, the Institute of Professional Engineers of New