

University of Waterloo
SENATE
Notice of Meeting

Date: Monday, September 19, 2005

Time: 4:30 p.m.

Place: Needles Hall, Room 3001

	OPEN SESSION	Page	Action
4:30	<u>Consent Agenda</u> <i>Motion:</i> That items 1-4 [below] be approved or received for information, as indicated, by consent.		
	1. Approval of the June 20, 2005 Minutes*		Decision
	2. Report of the Chair		
	a. Recognition and Commendation	2, A1	Information
	3. Reports from the Faculties, Conrad Grebel University College and Renison College	2, A2-A32	Information
	4. Other Business		
	a. Committee Appointments	2, A33	Decision
	b. Executive Committee Report	2, A34-A35	Information
	c. Living-Learning Project Report [attached]		Information
	d. New Degree Hoods [sample hoods at Senate]	2, A36	Decision
	<u>Regular Agenda</u>		
	5. Presentations		
4:35	a. CECS Review Report [attached]		Information/Discussion
5:05	b. Task Force on Performance Indicators Report [attached]		Information
	6. Business Arising from the Minutes		
5:35	a. Reading Week	2	Information
5:40	b. Tuition Framework	2	Information
	7. Report of the Chair		
5:55	a. Honorary Degrees at Fall Convocation	2	Information
	b. Environmental Scan	2	Information
	8. Report of the Vice-President, Academic & Provost		
6:10	a. Sixth-Decade Planning Update	2	Information
	9. Report of the Undergraduate Council	2, A37-A46	Decision/Information
6:20	10. Other Business		
	CONFIDENTIAL SESSION		
6:25	11. Approval of the June 20, 2005 Minutes*		Decision
6:30	12. Report of the Nominating Committee for Honorary Degrees	3	Information
	13. Other Business		
6:35	a. Naming Proposal	3, CS1	Information/Discussion

*previously distributed

The Executive Committee met on September 6, 2005 and wishes to report as follows:

OPEN SESSION

Consent Agenda

2. REPORT OF THE CHAIR

a. Recognition and Commendation. The Committee agreed to forward this report to Senate for information.

3. REPORTS FROM THE FACULTIES, CONRAD GREBEL UNIVERSITY COLLEGE AND RENISON COLLEGE

The Committee agreed to forward these reports to Senate for information.

4. OTHER BUSINESS

a. Committee Appointments. The Committee agreed to recommend these appointments to Senate for approval.

b. Executive Committee Report. The Committee agreed to forward this report to Senate for information.

c. Living-Learning Project Report. The Committee agreed to forward this report to Senate for information on the understanding that there would be a presentation on the report at the October meeting of Senate.

d. New Degree Hoods. The Committee agreed to recommend these new degree hoods to Senate for approval.

Regular Agenda

5. PRESENTATIONS

a. CECS Review Report. The Associate Provost, Academic & Student Affairs will present this item.

b. Task Force on Performance Indicators Report. The Dean of Engineering will present this item.

6. BUSINESS ARISING FROM THE MINUTES

a. Reading Week. The Provost will report as appropriate.

b. Tuition Framework. The Provost will provide a status report on the province's position post the Rae Review.

7. REPORT OF THE CHAIR

The Chair will provide a brief "Environmental Scan." Names of the recipients of honorary degrees and other honours, to be conferred at Fall Convocation, will be announced.

8. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST

The Vice-President will report as appropriate, including an update on sixth-decade planning.

9. REPORT OF THE UNDERGRADUATE COUNCIL

The Committee agreed to forward this report to Senate for approval and information, as indicated.

University of Waterloo

SENATE

September 19, 2005

Report of the Chair

For Information

1. RECOGNITION AND COMMENDATION

Faculty:

The Royal Society of Canada, the Canadian Academy of the Sciences and Humanities, recently elected 60 new fellows, including three professors from the University of Waterloo: Associate Provost, Academic & Student Affairs and Geography Professor **Bruce Mitchell**; Earth Sciences Professor **Edward Sudicky**; Combinatorics & Optimization Professor **David Jackson**. This year's fellows will be inducted to the Society in a ceremony set to take place on November 27.

Ellsworth LeDrew, Interim Dean of Environmental Studies and Geography Professor, was given the Canadian Remote Sensing Society's Gold Medal Award at a recent symposium. The medal, introduced in 1986, recognizes either a significant new advance in remote sensing research, development, technology or applications, or a significant long-term contribution to the field of remote sensing in Canada. "The award recognizes Ellsworth's many contributions to research, education and service in the remote-sensing community." The award's citation says: "His research on arctic sea ice and atmospheric dynamics has been critical to our current understanding of climate change and global warming." And his work on coral bleaching and ocean/atmosphere dynamics is recognized as "leading-edge science, placing Canadian remote-sensing expertise within a global context."

Federated University & Affiliated Colleges:

The President of St. Jerome's University, **Michael Higgins**, has been selected one of Ontario's 30 best lecturers by the TV Ontario program *Big Ideas*. It is a distinction that originated with his nomination by former students for the "clarity, passion and assurance of his lectures in religious studies." A panel of judges will narrow down the list by selecting 10 finalists. Two finalists will broadcast a lecture on each of five successive *Big Ideas* programs beginning October 15. Viewers will be able to vote online for lecturers who excel at "conveying their knowledge, offering their experience and sharing their wisdom" with the goal of identifying one professor as Ontario's best.

Staff:

Rose Padacz, Director of the Office for Persons With Disabilities, has received an "Influential Advocate" award by the Independent Living Centre of Waterloo Region. The honorary citation noted that Padacz "developed the first-ever supportive housing project at a university on campus at the University of Waterloo . . . Rose continues to demonstrate her commitment to independent living [and] has assisted many students and individuals in pursuing their dreams and goals."

Students:

In the North American Solar Challenge race, Waterloo's team of **Huy Le** and **Eric Cheng** and their vehicle, the Midnight Sun VIII, placed fifth (ahead of the four other Canadian entries) in the 20-car field. A team from the University of Michigan won the event.

UNIVERSITY OF WATERLOO
REPORT OF THE DEAN OF APPLIED HEALTH SCIENCES TO SENATE

Monday, September 19, 2005

For Information:

A. *APPOINTMENTS*

Continuing Lecturer Appointment

JESSUP, Linda, Continuing Lecturer, Health Studies and Gerontology, effective September 1, 2005.

Adjunct Appointments

TAYLOR, Albert, Professor, Applied Health Sciences, July 1, 2005 to June 30, 2007.

WALDBILLIG, David, Associate Professor, Health Studies and Gerontology, July 1, 2005 to June 30, 2007.

WIDMEYER, Neil, Professor, Kinesiology, September 1, 2005 to December 31, 2005.

Adjunct Reappointments

JOPPE, Marion, Associate Professor, Recreation and Leisure Studies, May 1, 2005 to June 30, 2008.

Cross Appointments

CUKIER, Judith, Assistant Professor, Environmental Studies to Recreation and Leisure Studies, September 1, 2005 to June 30, 2008.

WALL, Geoff, Professor, Geography to Recreation and Leisure Studies, September 1, 2005 to June 30, 2008.

Change in Appointments

FRAZER, Mardy, from Assistant Professor to Continuing Lecturer, Kinesiology, effective July 1, 2005.

B. *ADMINISTRATIVE APPOINTMENTS*

FRAZER, Mardy, Associate Chair, Undergraduate Studies, Kinesiology, July 1, 2005 to June 30, 2008.



R. Mannell, Dean
Applied Health Sciences

UNIVERSITY OF WATERLOO

REPORT OF THE DEAN OF THE FACULTY OF ARTS TO SENATE

SEPTEMBER 19, 2005

For information:

A. ***APPOINTMENTS******Tenure***

COWAN, Edward Douglas, BA Victoria 1985, Master of Divinity (Honours), St. Andrew's Theological College, Saskatoon, 1989, PhD Calgary 1999, Assistant Professor, Renison College, Religious Studies and Social Development Studies, effective January 1, 2006. Assistant Professor of Religious Studies and Sociology and member of Graduate and Doctoral Faculty, University of Missouri-Kansas City, 2000-2005. Teaching: social theory, sex and religion, cults, sects, and new religious movements, religion and violence, world religions. Winner of two teaching awards. Editor-in-Chief, *The New Religious Movement Homepage* project. As the author of six books and numerous refereed articles, Dr. Cowan strengthens the undergraduate and graduate programs in Religious Studies and brings new interdisciplinary strength to Renison's unique Social Development Studies program.

New Probationary Terms

BESSER-JONES, Lorraine, BA Tulane 1995, MA Claremont 1997, PhD North Carolina at Chapel Hill 2003, Assistant Professor, Department of Philosophy, September 1, 2005 to June 30, 2008. Since September 2003, Dr. Besser-Jones has held a Postdoctoral Fellowship at Stanford University. Dr. Besser-Jones brings expertise in moral philosophy and ethical theory. She has developed an interesting research program that has advanced our understanding of the importance of moral distinctions between self-interest and duty. She is a truly exceptional teacher, based on experience at UNC and Stanford. Dr. Besser-Jones will add strength to the department's research capability and to both the graduate and the undergraduate teaching programs.

PACKALEN, Mikko, M.Soc.Sci. Economics, University of Helsinki (1997), Lic. Soc.Sci. Economics, University of Helsinki (1999), PhD candidate Stanford University (expected June 2005), Assistant Professor, Department of Economics, September 1, 2005 to June 30, 2008. Professor Packalen is an expert in the Economics of Intellectual Property, Industrial Organization, Applied Econometrics, Microeconomic Theory and Policy. He will teach courses in microeconomics, econometrics, and applied microeconomic policy (the economics of intellectual property) at both the undergraduate and graduate levels. Professor Packalen's research on patent pools, patent acquisitions, and integration of patent owners in the high technology, pharmaceutical and biotechnology sectors is highly regarded and a perfect fit with the Department's PhD field in the management of technology. He is recognized to be an effective teacher.

New Definite Term - Appointment

LAWRENCE, Alastair, Lecturer, School of Accountancy, September 1, 2005 to August 31, 2006.

Adjunct Appointments

ACTON, Carol, Lecturer, Faculty of Arts, September 1, 2005 to December 31, 2005.

ANCIMER, Tony, Lecturer, School of Accountancy, May 1, 2005 to August 31, 2005.

BENNETT, Graham, Lecturer, Department of Political Science, September 1, 2005 to December 31, 2005.

BORONKA, Irina, Lecturer, Department of Germanic and Slavic Studies, July 1, 2005 to August 31, 2005 and September 1, 2005 to December 31, 2005..

BOYER, Luc, Lecturer, Department of Sociology, September 1, 2005 to December 31, 2005.

BRAZELTON, Donna, Lecturer, Department of Psychology, September 1, 2005 to December 31, 2005.

CARTER, Dave, (Professor Emeritus), Associate Professor, Department of Political Science, January 1, 2006 to April 30, 2006.

CHASMER, Hugh, Lecturer, School of Accountancy, May 1, 2005 to August 31, 2005.

CORBY, Bill, Lecturer, Department of Political Science, September 1, 2005 to December 31, 2005.

FLERAS, Augie, Associate Professor, Department of Sociology, September 1, 2005 to December 31, 2005.

HANNEBRY, Jenna, Lecturer, Department of Sociology, June 1, 2005 to August 31, 2005.

HARTLING, Shannon, Assistant Professor, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

HARVIE, Jo, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

HEFFNER, Lori, Lecturer, Department of Germanic and Slavic Studies, September 1, 2005 to December 31, 2005.

HOEFERT, Sigfrid (Professor Emeritus), Professor, Department of Germanic and Slavic Studies, May 1, 2005 to April 30, 2006.

JACKSON, John, Lecturer, Faculty of Arts, September 1, 2005 to December 31, 2005.

KASULKE, Maren, Assistant Professor, Department of Germanic and Slavic Studies, July 1, 2005 to August 31, 2005.

KITOSSA, Tamari, Assistant Professor, Department of Sociology, September 1, 2005 to December 31, 2005.

KOZAK, Bernice, Lecturer, Department of Political Science, September 1, 2005 to December 31, 2005.

KUNTZ, Elizabeth, Lecturer, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

MICHAELI, Rudolf, Assistant Professor, Department of Germanic and Slavic Studies, September 1, 2005 to December 31, 2005.

NEVERSON, Nicole, Lecturer, Department of Sociology, January 1, 2006 to April 30, 2006.

ROGOZYNSKI, Daniel, Lecturer, School of Accountancy, May 1, 2005 to August 31, 2005.

TELL, Edmond, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

VANDERHOOF, Dory, Lecturer, Department of Drama and Speech Communication, May 1, 2005 to August 31, 2005.

VAN DOLDEREN, Henrietta, Lecturer, Department of Germanic and Slavic Studies, September 1, 2005 to April 30, 2006.

VIETZE, Rainer, Lecturer, School of Accountancy, May 1, 2005 to August 31, 2005.

VOLYNSKA, Rimma, Assistant Professor, Department of Germanic and Slavic Studies, September 1, 2005 to August 31, 2006.

WALLIN, Mark, Lecturer, Department of English Language and Literature, May 1, 2005 to August 31, 2005.

WARKENTIN, Erwin, Associate Professor, Department of Germanic and Slavic Studies, May 1, 2005 to April 30, 2007.

WEBB, Todd, Lecturer, Department of History, September 1, 2005 to December 31, 2005.

Adjunct Reappointments

BIRKETT, David, Lecturer, Department of Economics, September 1, 2005 to December 31, 2005.

BRIGGS, Catherine, Assistant Professor, Department of History, January 1, 2006 to April 30, 2006.

CHAPUT, Louise, Lecturer, Department of French Studies, September 1, 2005 to December 31, 2005.

COOK, Rob, Lecturer, Department of Economics, September 1, 2005 to December 31, 2005.

CORNING, Gail, Assistant Professor, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

DE GROOT, Martin, Assistant Professor, Department of History, September 1, 2005 to December

31, 2005.

DONOVAN, Anne-Marie, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

FISK, Michelle, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

HARTLING, Shannon, Assistant Professor, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

HARTLING, Shannon, Assistant Professor, Department of English Language and Literature, May 1, 2005 to August 31, 2005.

HASTEDT, Slawomira, Lecturer, Department of Spanish and Latin American Studies, September 1, 2005 to December 31, 2005.

HILL, Heather, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

HORTON, Donald (Professor Emeritus), Associate Professor, Department of History, September 1, 2005 to December 31, 2005.

HUTTER, Daniel, Lecturer, Department of Classical Studies, September 1, 2005 to December 31, 2005.

JERNIGAN, Kim, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

KRELLER, Paul, Assistant Professor, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

LAPPIN-FORTIN, Kerry, Assistant Professor, Department of French Studies, September 1, 2005 to December 31, 2005.

MACDONALD, Robert, Assistant Professor, Department of Anthropology, January 1, 2006 to April 30, 2006.

MAES, Nick, Assistant Professor, Department of Classical Studies, September 1, 2005 to December 31, 2005.

MALAMET, Elliott, Assistant Professor, Jewish Studies, May 1, 2005 to August 31, 2005.

MCARTHUR, Kathy, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

NEURU, Lucinda, Associate Professor (Professor Emerita), Department of Classical Studies, September 1, 2005 to December 31, 2005.

NOLAN, Kathleen, Lecturer, Department of Political Science, January 1, 2006 to April 30, 2006.

O'CONNOR, Jennifer, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

PACI, Tim, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

PORTER, Robert (Professor Emeritus), Assistant Professor, Department of Classical Studies, September 1, 2005 to December 31, 2005.

ROBERTS, James, Lecturer, Department of English Language and Literature, May 1, 2005 to August 31, 2005.

SAPP, Alan, Lecturer, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

SARKAR, Tushar, Professor, Department of Philosophy, May 1, 2005 to August 31, 2005.

SEIM, Robert (Professor Emeritus), Associate Professor, Department of Psychology, May 1, 2005 to August 31, 2005.

SMITH, Cheryl, Assistant Professor, Department of History, September 1, 2005 to April 30, 2006.

SMITH, Larry, Associate Professor, Department of Economics, September 1, 2005 to August 31, 2006.

SMYTH, Jacqui, Assistant Professor, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

SPIELMACHER, Mark, Assistant Professor, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

WESTLEY, Meg., Assistant Professor, Department of Drama and Speech Communication, September 1, 2005 to December 31, 2005.

Visiting Appointments

DACHS, Ferdinand, Visiting Lecturer, Department of Germanic and Slavic Studies, September 1, 2005 to April 30, 2006.

ZHOU, Weimin, Visiting Research Professor, Faculty of Arts and the Centre for International Governance Innovation, August 1, 2005 to July 31, 2007.

Graduate Students appointed as Part-time Lecturers

DE LAZZARI, John, Department of Psychology, May 1, 2005 to August 31, 2005.

DEMAN, Andrew, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

DEVITT, Ryan, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

HUMPHREYS, Sara, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

LOBB, Diana, Department of English Language and Literature, September 1, 2005 to December 31, 2005.

Cross Reappointments

DIAMOND, James A., Assistant Professor, Department of Religious Studies, cross reappointment to Department of Philosophy, January 1, 2005 to December 31, 2008.

SHAW, Susan M., Professor, Department of Recreation and Leisure Studies, cross reappointment to Department of Sociology, July 1, 2005 to June 30, 2008.

Staff Appointment to Faculty

PENNY LIGHT, Tracy, Adjunct Assistant Professor, Department of History, September 1, 2005 to April 30, 2006.

B. ADMINISTRATIVE APPOINTMENTS

BOYCHUK, Gerard, Associate Chair for Undergraduate Studies, Department of Political Science, July 1, 2005 to April 30, 2006.

DENTON, Diana, Associate Chair for Undergraduate Studies, Department of Drama and Speech Communication, July 1, 2005 to June 30, 2006.

LAIKEN, Stanley, Associate Director, Masters and Professional Programs, September 1, 2005 to June 30, 2006.

RUSSELL, Delbert, Associate Chair for Undergraduate Studies, Department of French Studies, September 1, 2005 to August 31, 2007.

WILLIAMS, Robert J., Associate Chair for Graduate Studies, Department of Political Science, May 1, 2005 to April 30, 2006.

ADMINISTRATIVE REAPPOINTMENTS

ACHESON, Katherine, Associate Chair, Graduate Studies, Department of English Language and Literatures, July 1, 2005 to June 30, 2006.

BARNETT, James, Associate Director, Masters and Professional Programs, School of Accountancy, July 1, 2005 to August 31, 2005.

HELMES-HAYES, Rick, Associate Chair, Graduate Studies, Department of Sociology, July 1, 2005 to June 30, 2006.

MCMURRY, Andrew, Associate Chair, Undergraduate Studies, Department of English Language and Literatures, July 1, 2005 to June 30, 2006.

O'NEILL, Daniela, Associate Chair, Graduate Studies, Department of Psychology, July 1, 2005 to June 30, 2007.

PARÉ, Francois, Chair, Department of French Studies, August 1, 2006 to July 31, 2009.

RUSSELL, Grant, Associate Director, Undergraduate Programs, School of Accountancy, July 1, 2005 to June 30, 2007.

STOLZ, Jennifer, Associate Chair, Undergraduate Studies, Department of Psychology, July 1, 2005 to June 30, 2007.

C. **RESIGNATION**

GUSE, Anette, Assistant Professor, Department of Germanic and Slavic Studies, effective June 30, 2005.

D. **RETIREMENTS**

ASHWORTH, E. Jennifer, Professor, Department of Philosophy, July 1, 2005.

CHEYNE, J. Allen, Associate Professor, Department of Psychology, July 1, 2005.

MERIKLE, Phillip, Professor, Department of Psychology, July 1, 2005.

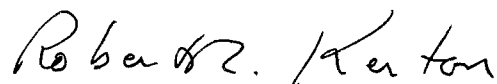
WALLER, T. Gary, Professor, Department of Psychology, September 1, 2005.

FOR APPROVAL BY THE BOARD OF GOVERNORS

E. **SABBATICALS**

JOHN, David, Professor, Department of Germanic and Slavic Studies, January 1, 2006 to June 30, 2006, six months at full salary.

KUMAR, Ramesh C., Professor, Department of Economics, January 1, 2006 to June 30, 2006, six months at 100% salary.



Robert R. Kerton
Dean, Faculty of Arts

UNIVERSITY OF WATERLOO
REPORT OF THE DEAN OF ENGINEERING TO SENATE
September 19, 2005

For information:

A. APPOINTMENTS

Probationary Term

JEFFREY, Scott, Assistant Professor, Department of Management Sciences, July 1, 2006 - June 30, 2009. PhD University of Chicago 2003; MBA Santa Clara University 1995; BSc Santa Clara University 1986.

New Definite Term – full-time

ANDERSON, William B., Research Associate Professor, Department of Civil Engineering, January 1, 2005 – December 31, 2007. PhD University of Waterloo 2004; BA University of Regina 1979. Dr. Anderson received his PhD from the University of Waterloo while working as a Research Associate and Manager for the NSERC Industrial Research Chair (IRC) in Water Treatment. He is an expert in microbiology and will continue his work within the IRC program concentrating on the development of new water treatment technologies.

CZUJKO, Tomasz, Research Associate Professor, Department of Mechanical Engineering, July 1, 2005 – June 30, 2007. PhD Military University of Technology, Warsaw, Poland 1998; MSc Military University of Technology 1991. Dr. Czujko's general expertise is in functional/structural materials that include hydrogen storage materials, nanomaterials, metals and alloys, biomaterials, intermetallics and composites. After receiving his PhD he specialized in thermodynamical characterization of nanomaterials, quantitative characterization of microstructure in polycrystalline and nanocrystalline materials, relationship between structure and properties of nanomaterials, conventional and unconventional manufacturing technologies such as nanostructuring by mechanical ball milling, casting, rolling, welding and joining, powder metallurgy, extrusion, shock-wave treatment, laser treatment, materials in engineering design, environmental degradation and materials selection. He has much experience in application of various metallographic and analytical techniques such as Scanning Electron Microscopy; Energy Dispersive Spectroscopy (certificated user), Electron Backscatter Pattern, Automatic Image Analysis, X-ray diffraction analysis, volumetric methods (Sievert's App.), TGA/DSC analysis etc. He is an author/co-author of 43 refereed journal papers and 23 conference papers.

Definite term – Reappointment – full-time

BRUSH, DAVID J., Lecturer, Engineering Undergraduate Office, July 1, 2005 – June 30, 2010.

SEMENOV, Oleg, Research Assistant Professor, Department of Electrical & Computer Engineering, July 1, 2005 – October 31, 2005.

Visiting Appointments

AL-ANI, Faiez, Scholar, Department of Chemical Engineering, September 1, 2005 – August 31, 2006.

ARAYAPRANEE, Wanvimon, Scholar, Department of Chemical Engineering, June 1, 2005 – August 31, 2005.

BANJONGLA-IAD, Tanokkorn, Scholar, Department of Chemical Engineering, July 6, 2005 – June 17, 2006.

CADAFALCH RABASA, Jordi, Assistant Professor, Department of Mechanical Engineering, July 1, 2005 – June 30, 2006.

EL-SHARKAWY, Rania M., Researcher, Department of Electrical & Computer Engineering, May 19, 2005 – August 18, 2005.

EOM, Hyo Joon, Scholar, Department of Electrical & Computer Engineering, September 1, 2005 – August 31, 2006.

FAKHRZADEH, Azadeh, Scholar, Department of Systems Design Engineering, May 9, 2005 – August 31, 2005.

GHAZNAVI, Solmaz, Scholar, Department of Electrical & Computer Engineering, August 1, 2005 – July 31, 2006.

GUO, Qi, Scholar, Department of Electrical & Computer Engineering, June 1, 2005 – September 30, 2005.

HAN, Shumin, Scholar, Department of Mechanical Engineering, January 10, 2006 – January 9, 2007.

HASSANZADEH, Hassan, Scholar, Department of Mechanical Engineering, July 25, 2005 – July 24, 2006.

KALLEBERG, Karl T., Scholar, Department of Electrical & Computer Engineering, November 1, 2005 – February 28, 2006.

KIM, Nam Guen, Scholar, Department of Electrical & Computer Engineering, June 1, 2005 – March 31, 2006.

LONG, Hua, Assistant Professor, Department of Electrical & Computer Engineering, June 29, 2005 – June 28, 2006.

NAHVI, Hassan, Professor, Department of Mechanical Engineering, September 1, 2005 – May 31, 2006.

RIYAJAN, Saad, Scholar, Department of Chemical Engineering, August 1, 2005 – January 31, 2006.

TANTRAKOOL, Chompaka, Scholar, Department of Chemical Engineering, June 1, 2005 – October 1, 2005.

ZHANG, Jianan, Scholar, Department of Chemical Engineering, July 15, 2005 – December 14, 2005.

Visiting Reappointments

GANJI, Arman, Scholar, Department of Systems Design Engineering, July 1, 2005 – July 30, 2005.

JEON, Bup-Ju, Scholar, Department of Chemical Engineering, May 1, 2005 – April 30, 2006.

SHANSHOOL, Luma, Scholar, Department of Chemical Engineering, July 1, 2005 – December 31, 2005.

Adjunct Appointments

BOWICK, David, Assistant Professor, School of Architecture, May 1, 2005 – August 31, 2005.

EXALL, Kirsten, Researcher, Department of Civil Engineering, July 1, 2005 – June 30, 2007.

HOLMAN, Nicholas, Assistant Professor, School of Architecture, May 1, 2005 – August 31, 2005.

KOMLJENOVIC, Dragan, Professor, Department of Civil Engineering, July 1, 2005 – June 30, 2007.

LEVITT, Janna, Assistant Professor, School of Architecture, May 1, 2005 – August 31, 2005.

ONG, Beng, Professor, Department of Electrical & Computer Engineering, July 1, 2005 – June 30, 2008.

PIETRONIRO, Alain, Researcher, Department of Civil Engineering, April 1, 2005 – March 31, 2006.

ROWLANDS, John, Professor, Department of Electrical & Computer Engineering, July 1, 2005 – June 30, 2008.

SCOTT, Timothy, Assistant Professor, School of Architecture, May 1, 2005 – August 31, 2005.

SIDHU, Tarlochan S., Professor, Department of Electrical & Computer Engineering, May 1, 2005 – August 31, 2005.

VENEMA, Henry, Assistant Professor, Department of Systems Design Engineering, June 1, 2005 – May 31, 2008.

VERSEGHY, Diana, Researcher, Department of Civil Engineering, April 1, 2005 – March 31, 2006.

Adjunct Reappointments

BEDI, R. B. Lall, Professor, Department of Mechanical Engineering, June 1, 2005 – August 31, 2005.

ENTCHEV, Evgueniy, Professor, Department of Chemical Engineering, September 1, 2005 – August 31, 2007.

FOX, Steven R., Assistant Professor, Department of Civil Engineering, July 1, 2005 – June 30, 2008.

FARQUHAR, Grahame, Professor (Distinguished Professor Emeritus), Department of Civil Engineering, September 1, 2005 – August 31, 2008.

GLADWELL, Graham, Professor (Distinguished Professor Emeritus), Department of Civil Engineering, July 1, 2005 – June 30, 2008.

HAAS, Ralph, Professor (Distinguished Professor Emeritus), Department of Civil Engineering, September 1, 2005 – August 31, 2008.

KILGOUR, D. Marc, Professor, Department of Systems Design Engineering, July 1, 2005 - June 30, 2008

LENARD, John, Professor (Professor Emeritus), Department of Mechanical Engineering, May 1, 2006 – April 30, 2009.

SHORTREED, John, Professor (Professor Emeritus), Department of Civil Engineering, July 1, 2005 – June 30, 2008.

TANG, Wei Cheung, Professor, Department of Electrical & Computer Engineering, July 1, 2005 – June 30, 2008.

THOMPSON, J. Carl, Associate Professor (Professor Emeritus), Department of Civil Engineering, July 1, 2005 – June 30, 2008.

TOPPER, Timothy, Professor (Distinguished Professor Emeritus), Department of Civil Engineering, September 1, 2005 – August 31, 2008.

YAGAR, Samuel, Professor (Professor Emeritus), Department of Civil Engineering, September 1, 2005 – August 31, 2008.

ZHANG, David, Professor, Department of Systems Design Engineering, June 1, 2005 – August 31, 2005.

Cross Reappointments

RUDOLPH, David, Professor, Faculty of Science, Department of Earth Sciences to Department of Civil Engineering, June 15, 2005 – June 14, 2007.

Changes in Appointments

CAI, Ning, Visiting Professor, Department of Electrical & Computer Engineering, was May 1, 2005 – October 15, 2005 changed to July 15, 2005 – December 31, 2005.

CHOI, Jinho, Visiting Researcher, Department of Electrical & Computer Engineering, was July 1, 2005 – December 31, 2005 changed to July 13, 2005 – January 12, 2006.

NOBAN, Mohamad, Visiting Research Assistant, Department of Mechanical Engineering, was April 1, 2005 – March 31, 2006 changed to May 19, 2005 – May 18, 2006.

QUINTANA, Victor, Adjunct Professor Reappointment, (Professor Emeritus), Department of Electrical & Computer Engineering, was June 1, 2005 – May 31, 2006 changed to June 1, 2005 – May 31, 2008.

YONGHONG, Long, Visiting Associate Professor, Department of Systems Design Engineering, was May 1, 2005 – April 30, 2006 changed to July 11, 2005 – July 10, 2006.

Graduate Students appointed as Part-time Lecturers

JENKINSON, Wayne, Department of Civil Engineering, September 1, 2005 – December 31, 2005.

NGUYEN, Tam, Department of Mechanical Engineering, May 1, 2005 – August 31, 2005.

B. ADMINISTRATIVE APPOINTMENTS

FIEGUTH, Paul, Associate Chair, Undergraduate Studies, Department of Systems Design Engineering, September 1, 2005 – August 31, 2008.

ADMINISTRATIVE REAPPOINTMENTS

OPAL Ajoy, Director of First Year Engineering, Engineering Undergraduate Studies Office, May 1, 2006 – April 30, 2009.

C. RESIGNATIONS

HEGAZY, Yasser, Lecturer, Department of Electrical & Computer Engineering, August 31, 2005.

FOR APPROVAL BY THE BOARD OF GOVERNORS

D. SABBATICAL

DUIMERING, Robert, Assistant Professor, Department of Management Sciences, September 1, 2005 – February 28, 2006, six months at 100% salary.

KAMEL, Mohamed, Professor, Department of Electrical & Computer Engineering, September 1, 2005 – August 31, 2006, twelve months at 85% salary.

SACHDEV, Manoj, Professor, Department of Electrical & Computer Engineering, September 1, 2005 – February 28, 2006, six months at 100% salary.

SEVIORA, Rudolph., Associate Professor, Department of Electrical & Computer Engineering, July 1, 2005 – December 31, 2005, six months at 85% salary.

VECHTOMOVA, Olga, Assistant Professor, Department of Management Sciences, November 1, 2005 – April 30, 2006, six months at 100% salary.

ALREADY APPROVED BY THE BOARD OF GOVERNORS

D. *SPECIAL LEAVE*

SOUDKI, Khaled, Associate Professor, Department of Civil Engineering, September 1, 2005 – August 31, 2006, one year unpaid.

Adel S. Sedra

Adel S. Sedra
Dean, Faculty of Engineering

UNIVERSITY OF WATERLOO
REPORT OF THE DEAN FACULTY OF ENVIRONMENTAL STUDIES TO SENATE
September 19, 2005

For Information:

A. APPOINTMENTS

New Probationary Term Appointments

LEWIS, John, Assistant Professor, appointed to the School of Planning, July 1st 2005 to June 30th 2008, B.A. (Honours, Political Studies) Queen's University, 1990; M.Pl. (Urban and Regional Planning) Queen's University, 1996; M.Sc. (Landscape Planning) University of British Columbia, 2000; Ph.D. (Landscape Planning) University of British Columbia, (pending). In addition to his academic training, John brings experience as a professional planner and planning consultant from Ontario and British Columbia. In British Columbia, he has worked extensively with community groups and with First Nations to address landscape and resource management issues, and has pioneered the use of computer-based landscape simulations in First Nations community consultation exercises. His work has been published in national and international planning journals, and he has co-authored a book on the effective and ethical use of landscape visualization technology in community consultation. As a Ph.D. student at the University of British Columbia, he has independently taught two undergraduate planning courses, and has received the university's graduate teaching award. His area of expertise is in environmental (urban and rural) planning and design, and his research interests include environmental values and preferences; cross-cultural environmental perception; computer-based landscape visualization; aboriginal issues in land-use planning and management; community participation and consultation.

Oelbermann, Maren, Assistant Professor, appointed to the Department of Environment and Resource Studies, July 1, 2005 to June 30, 2008, B.Sc. (Biology), University of Guelph, 1991; M.Sc. (Environmental Biology), University of Guelph, 1999; Ph.D. (Soil Science), University of Guelph, 2002. Dr. Oelbermann's research is interdisciplinary, linking sustainable use of natural resources with larger scale social issues in areas including sustainable agriculture and tropical forestry. She will teach undergraduate courses in ecosystem processes and will advise graduate students in areas including ecological restoration, ecosystem complexity and international development.

New Definite Term Appointment – full-time

GU, Kai, Assistant Research Professor, appointed to the Faculty of Environmental Studies, July 1, 2005 to June 30, 2007, B. Arch., Zhengzhou University, 1992; M. Arch., China University of Technology, 1997; Ph.D., University of Waterloo, 2002. Dr. Gu's research has been in urban growth, morphology, and planning in China. His research appointment will focus on pedagogical issues associated with Chinese undergraduate and graduate students as they join academic plans at the University of Waterloo. This will guide our preparation for 2+2 students in Environment and Business, Geomatics and Planning. He will also be developing web-based modules and block courses in these plans.

Adjunct Appointments

CHALMERS, Larry, Professor, School of Planning, June 1, 2005 to December 31, 2005.

GUELKE, Leonard, (Professor Emeritus), Professor, Department of Geography, September 1, 2005 to June 30, 2008.

Adjunct Appointments

ROTH, Brigitte, Lecturer, Faculty of Environmental Studies, September 1, 2005 to April 30, 2006.

WIERSMA, Yolanda, Lecturer, Faculty of Environmental Studies, September 1, 2005 to December 31, 2005.

Adjunct Reappointments

HUI, Vincent, Lecturer, School of Planning, September 1, 2005 to December 31, 2005.

MANDRES, Marinel, Lecturer, Department of Geography, September 1, 2005 to December 31, 2005.

XUEREB, Michelle, Lecturer, School of Planning, September 1, 2005 to December 31, 2005.

YOUNG, Steve, Assistant Professor, Faculty of Environmental Studies, September 1, 2005 to December 31, 2005.

Graduate Student Appointed as a Part-time Lecturer

LIM, Alan, Lecturer, Department of Geography, September 1, 2005 to December 31, 2005.

Graduate Students Reappointed as Part-time Lecturers

OLSEN, Daniel, Lecturer, Department of Geography, September 1, 2005 to December 31, 2005.

WHITELAW, Graham, Lecturer, Department of Environment and Resource Studies, May 1, 2005 to August 31, 2005.

Cross Appointment

GIBSON, Robert, Professor, Department of Environment and Resource Studies, cross-appointed to the School of Planning, May 1, 2005 to April 30, 2008.

MCALLISTER, Mary Louise, Associate Professor, Department of Environment and Resource Studies cross-appointed to the Department of Geography, July 1, 2005 to June 30, 2008.

SUFFLING, Roger, Professor, School of Planning, cross-appointed to the Department of Geography, July 1, 2005 to June 30, 2008.

B. ADMINISTRATIVE APPOINTMENT

HALL, Peter, Director, Local Economic Development Program, Faculty of Environmental Studies, July 1, 2005 to June 30, 2006.

STONE, Micheal, Associate Dean, Computing, Faculty of Environmental Studies, July 1, 2005 to December 31, 2006.

C. RETIREMENT

GUELKE, Leonard, Professor, Department of Geography, effective September 1, 2005.

D. SABBATICALS

TO BE APPROVED BY THE BOARD OF GOVERNORS

FILION, Pierre, Professor, School of Planning (January 1, 2006 to June 30, 2006) 6 months @ 85% salary.

PRICE, Jonathan, Professor, Department of Geography (January 1, 2006 to June 30, 2006) 6 months @ 100% salary.



Ellsworth LeDrew
Interim Dean

/jm

UNIVERSITY OF WATERLOO
REPORT OF THE DEAN OF MATHEMATICS TO SENATE
September 19, 2005

For information:

A. APPOINTMENTS

New Probationary Term

EMERSON, Joseph (BSc (Hons), 1993, McGill University; MSc, 1995; PhD, 2001 both from Simon Fraser University), Assistant Professor, Dept. of Applied Mathematics, August 1, 2005 – June 30, 2008 and member, Institute for Quantum Computing. Dr. Emerson held a two-year position as a postdoctoral research associate at the Massachusetts Institute of Technology, and is currently a postdoctoral research fellow at the Perimeter Institute. He is an outstanding young researcher in the field of Quantum Information Theory, and has excellent pedagogical skills. His research interests in quantum information range from theoretical issues such as coherent quantum control and randomization methods for quantum states, to collaboration with experimental groups involved with the physical implementation of quantum computation. Dr. Emerson will contribute to our undergraduate program in Mathematical Physics and will interact with the Canada Research Chair holder in the Physics of Information.

HENGARTNER, Urs (Dipl. Informatik-Ing, 1997, Swiss Federal Institute of Technology, Zürich; MS, 2003; PhD, 2005, both from Carnegie Mellon University, Assistant Professor, School of Computer Science, September 1, 2005 - June 30, 2008. Dr. Hengartner's research is in the area of information security. His work is concerned with techniques that provide access control to sensitive information, including mechanisms to avoid information leaks in a distributed access environment.

LHOTAK, Ondrej (BMath, 2001, University of Waterloo; MSc, 2003; PhD (expected 2005), both from McGill University), Assistant Professor, School of Computer Science, January 1, 2006 – June 30, 2009. Mr. Lhotak's research is in the areas of programming languages, compilers, and software engineering. He has made important research contributions to program analysis. He was member of Waterloo's World Champion team in the 1999 ACM International Collegiate Programming Contest.

TERRY, Michael (BSc, 1994, Cornell University; MSc, 1998, Florida Institute of Technology; PhD (expected 2005), Georgia Institute of Technology), Assistant Professor, School of Computer Science, January 1, 2006 – June 30, 2009. Mr. Terry is in the process of completing his PhD from the Georgia Institute of Technology. His research is in the area of Human Computer Interaction, an area of development for the School. His research work has led to new user interface mechanisms and novel modes of interaction.

Probationary Term

KUO, Wentang (BS, 1991, National Taiwan University; PhD, 2000, Massachusetts Institute of Technology), Assistant Professor, Dept. of Pure Mathematics, July 1, 2006 – June 30, 2009.

LIU, Yu-Ru (BA, 1998, McGill Univ.; MS, 1998, Queen's Univ.; PhD 2003, Harvard University), Assistant Professor, Dept. of Pure Mathematics, July 1, 2006 – June 30, 2009.

KONEMANN, Jochen (MS, Computer Science, 1998, University of Saarbrücken; PhD, 2003, Carnegie Mellon University), Assistant Professor, Department of Combinatorics and Optimization, July 1, 2006 – June 30, 2009.

RUBINSTEIN, Michael (BA, 1994; MA, 1996; PhD, 1998 all from Princeton University), Assistant Professor, Department of Pure Mathematics, July 1, 2006 – June 30, 2009.

SHIODA, Romy (BSc, 1999; MSc, 2002; PhD, 2003, all from the Massachusetts Institute of Technology), Assistant Professor, Department of Combinatorics and Optimization, July 1, 2006 - June 30, 2009.

VERSTRAETE, Jacques (BSc (Hons), 1996; MSc, 1997; PhD, 2001 all from the University of Cambridge, UK), Assistant Professor, Dept. of Combinatorics and Optimization, July 1, 2006 – June 30, 2009.

New Definite Term -- full-time

ALLISON, Anne-Marie (BSc, 1992, Dalhousie University; PhD, 1998, The University of Western Ontario), Lecturer, Dept. of Applied Mathematics, September 1, 2005 – August 31, 2006. Dr. Allison will teach six courses and participate in service activities.

BREJOVA, Bronislava, (MMath, 1999, Comenius University; PhD (exp 2005), University of Waterloo), Research Assistant Professor, School of Computer Science, September 1, 2005 – February 28, 2006. Ms. Brejova will collaborate on research with members of the School of Computer Science and teach one course.

DUNBAR, Fiona, (BSc (Hons), 2001, Wilfrid Laurier University; MMath, 2003, University of Waterloo), Lecturer, Office of the Dean, September 1, 2005 – August 31, 2009. Ms. Dunbar will teach four courses per year and assume responsibilities in both the Centre for Education in Mathematics and Computing and the office of the Associate Dean of External Relations.

VINAR, Tomas, (MMath, 1999, Comenius University; PhD (exp 2005), University of Waterloo), Research Assistant Professor, School of Computer Science, September 1, 2005 – February 28, 2006. Mr. Vinar will collaborate on research with members of the School of Computer Science and teach one course.

WEST, Joseph (BMath, 2002; MMath, 2004, both from the University of Waterloo), Lecturer, Dept. of Applied Mathematics, September 1, 2005 – August 31, 2008. Mr. West will teach six courses and participate in service activities.

WOLCZUK, Dan (BSc, 2001, University of Northern British Columbia; MMath, 2004, University of Waterloo), Lecturer, Dept. of Applied Mathematics, September 1, 2005 – August 31, 2006. Mr. Wolczuk will teach six courses and participate in service activities.

Definite Term -- Reappointment -- full-time

INGRAM, Christopher, Lecturer, School of Computer Science, September 1, 2005 – August 31, 2006.

LAKHAL, Lajmi, Research Associate, Dept. of Statistics & Actuarial Science, September 1, 2005 – August 31, 2006.

Visiting Appointments

DECENE, Isabelle (McGill University), Researcher, Dept. of Combinatorics and Optimization, June 1, 2005 – September 30, 2005.

FATIBENE, Lorenzo (Universita di Torino, Italy), Assistant Professor, Dept. of Applied Mathematics, September 1, 2005 – December 31, 2005.

LANK, Edward (San Francisco State University), Assistant Professor, School of Computer Science, September 1, 2005 – December 31, 2005.

Adjunct Appointments

GEORGE, Alan (Professor Emeritus), School of Computer Science, July 1, 2005 – June 30, 2008.

SIMPSON, Bruce (Professor Emeritus), School of Computer Science, June 1, 2005 – May 31, 2008.

Adjunct Reappointments

BRILLINGER, Peter, Professor Emeritus, Office of the Dean, July 1, 2005 – June 30, 2006.

GREEN, Ron, Lecturer, Office of the Dean, September 1, 2005 – December 31, 2005.

MURRAY, Dean, Lecturer, Office of the Dean, September 1, 2005 – August 31, 2006.

RICE, Larry, Lecturer, Office of the Dean, September 1, 2005 – August 31, 2006.

SPIELMACHER, Mark, Lecturer, Office of the Dean, September 1, 2005 – August 31, 2006.

ZIMA, Petr (Petr Zima and Associates Inc.), Associate Professor, Dept. of Statistics and Actuarial Science, May 1, 2005 – April 30, 2006.

Graduate Students appointed as Part-time Lecturers

RAMPERSAD, Narad, School of Computer Science, September 1, 2005 – December 31, 2005.

SELBY, Jason, School of Computer Science, September 1, 2005 – December 31, 2005.

Graduate Students reappointed as Part-time Lecturers

LYNAM, Thomas, School of Computer Science, September 1, 2005 – December 31, 2005.

B. ADMINISTRATIVE APPOINTMENTS

CAMPBELL, Sue Ann, Associate Chair, Undergraduate Studies, Dept. of Applied Mathematics, July 1, 2005 – June 30, 2007.

HARE, Kathryn, Associate Chair, Graduate Studies, Dept. of Pure Mathematics, July 1, 2005 – December 31, 2005.

KOLKIEWICZ, Adam, Associate Chair, Graduate Studies, Dept. of Statistics and Actuarial Science, September 1, 2005 – August 31, 2007.

MATTHEWS, David, Chair, Dept. of Statistics and Actuarial Science, September 1, 2005 – June 30, 2007.

McKINNON, David, Associate Chair, Undergraduate Studies, Dept. of Pure Mathematics, July 1, 2005 – June 30, 2008.

MORRIS, Kirsten, Associate Dean of Graduate Studies & Research, Office of the Dean, June 1, 2005 – June 30, 2007.

STEINER, Stefan, Associate Chair, Statistics Undergraduate Affairs, Dept. of Statistics and Actuarial Science, September 1, 2005 – August 31, 2008.

C. **RESIGNATIONS**

De KLERK, Etienne, Associate Professor, Dept. of Combinatorics & Optimization, effective September 1, 2005.

D. **SABBATICALS**

FOR APPROVAL BY THE BOARD OF GOVERNORS

ATLEE, Joanne, Associate Professor, School of Computer Science, September 1, 2005 – August 31, 2006, with 85% salary.

BERRY, Daniel, Professor, School of Computer Science, January 1, 2006 – December 31, 2006, with 85% salary.

BROWN, Daniel, Assistant Professor, School of Computer Science, January 1, 2006 – June 30, 2006, 100%. This is an early sabbatical.

RICHTER, Bruce, Professor, Dept. of Combinatorics and Optimization, March 1, 2006 – August 31, 2006, with 85% salary.

SALEM, Kenneth, Professor, School of Computer Science, September 1, 2005 – August 31, 2006, with 85% salary.

VRSCAY, Edward, Professor, Dept. of Applied Mathematics, July 1, 2006 – June 30, 2007, with 85% salary.

WAINWRIGHT, John, Professor, Dept. of Applied Mathematics, July 1, 2006 – June 30, 2007, with 100% salary.

A handwritten signature in black ink, appearing to read 'T. F. Coleman', with the date 'Aug 16/05' written below it.

Thomas F. Coleman
Dean

UNIVERSITY OF WATERLOO
REPORT OF THE DEAN OF SCIENCE TO SENATE
September 19, 2005

For information:

A. APPOINTMENTS

New Probationary Term

LIN, John, Assistant Professor, Department of Earth Sciences, July 1, 2006 to June 30, 2009. [B.A., Harvard College (1997); M.A., Harvard University (1997); Ph.D., Harvard University (2003).] Dr. Lin is the lead developer of a new generation of atmospheric models and he is at the forefront of two important research areas: global carbon cycling and atmospheric pollutant transport. His modelling expertise is widely recognized and he has been solicited for collaborations on several large research programs such as the North American Carbon Project. He is well poised to rapidly launch an international research program in Canada. The research program in environmental geology (hydrogeology, environmental geochemistry) is being broadened to include a component of atmospheric sciences in response to the growing realization that innovative solutions to persistent environmental problems require a more holistic approach to the understanding of the relationships among the atmosphere and land, including groundwater and surface water bodies. This new hire, with very strong mathematical modelling expertise in atmospheric sciences, will forge productive links with the Waterloo Centre for Atmospheric Sciences (currently housed in the Department of Chemistry).

TAYLOR, James, Assistant Professor, Department of Physics, July 1, 2006 to June 30, 2009. [French Baccalaureate, Lycée Claudel (1988); B.Sc., University of Toronto (1993); M.Sc., University of Toronto (1994); Ph.D., University of Victoria (2001).] Dr. Taylor is a computational astrophysicist whose expertise is in cosmological dark matter. He carries out extensive numerical and semi-analytic studies of modelling the formation of galaxies in the presence of dark matter. His work has already been used to make preliminary predictions of the indirect detection of dark matter, seeking to identify it via its possible decay products or by the tidal debris it will leave once a galaxy forms. Most of these predictions are pertinent to our own Milky Way galaxy. He also studies possible observational signatures of black holes as dark matter candidates, which can be searched for (or ruled out) by X-ray observations of nearby galaxies. A Ph.D. graduate of the University of Victoria, he has held postdoctoral positions at Oxford University and the California Institute of Technology. He has been the holder of a prestigious PPARC fellowship and is a member of the COSMOS project. We look forward to having Dr. Taylor join the Physics Department and we anticipate exciting new results to emerge from his work in the coming years.

WILHELM-MAUCH, Frank, Associate Professor, Department of Physics, January 1, 2006 to June 30, 2009. [Vordiplom, Universität Karlsruhe (1993); Dipl. Phys., Universität Karlsruhe (1996); Ph.D., Universität Karlsruhe (1999); Habilitation, Ludwig-Maximilians Universität (2004).] Dr. Wilhelm-Mauch is a condensed matter physicist whose expertise is in nano-physics. He is studying how to make use of superconductivity to advance our understanding and applications of quantum computing. Specifically in making use of general quantum properties at the sub-micron and nanometer scales to further our understanding of solid-state quantum information processing. Currently at the Centre for Nanoscience at Ludwig-Maximilians University in Munich, Germany, he will be joining the Physics Department and the Institute for Quantum Computing. His main achievements include the development of an engineering scheme to provide a significant improvement in the coherence of quantum states and the development of a scheme to protect superconducting qubits systems from noise that affects quantum logic gates.

We are very pleased to have Dr. Wilhelm-Mauch join the Physics Department and we look forward to the new developments in quantum computing that will emerge from his research.

Probationary Term

HUTCHINGS, Natalie, Assistant Professor, School of Optometry, July 1, 2005 to June 30, 2008. [B. Sc., Aston University (1990); Ph.D., Aston University (1996).] (Dr. Hutchings has held definite term positions within the School of Optometry since September 1998.)

NOOIJEN, Marcel A.T.F., Associate Professor, Department of Chemistry, July 1, 2006 to June 30, 2009. [B.Sc., Technical University of Eindhoven (1985); M.Sc., Vrije Universiteit Amsterdam (1987); Ph.D. Vrije Universiteit Amsterdam (1992).]

Definite Term -- Reappointment -- full-time

PTACEK, Carol J., Research Associate Professor, Department of Earth Sciences, June 1, 2005 to May 31, 2009.

Definite Term -- Reappointment -- part-time

NICHOLSON, Ronald V., Research Associate Professor, Department of Earth Sciences, August 1, 2005 to July 31, 2008.

Visiting Appointments

CHI, Donghui, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

DAI, Zhong, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

DING, Haitao, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

DONG, Jingwu, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

FAN, Xiaodong, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

GHIASVAND, Ali Reza, Scientist, Department of Chemistry, June 1, 2005 to May 31, 2006.

JI, Hanliang, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

KANG, Dequan, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

LI, Mingyi, Scientist, Department of Earth Sciences, June 1, 2005 to May 31, 2006.

LIU, Junlong, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

LIU, Rongjun, Scientist, Department of Earth Sciences, June 1, 2005 to May 31, 2006.

LU, Yufeng, Scientist, Department of Earth Sciences, June 1, 2005 to May 31, 2006.

MOHAMMAD-KHAH, Ali, Scientist, Department of Chemistry, July 1, 2005 to March 31, 2006.

RAFATI, Amir Abbas, Associate Professor, Department of Chemistry, June 20, 2005 to June 19, 2006.

SHAN, Hongyu, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

SU, Yanchang, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

SUN, Zhanqiang, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

TANG, Xuping, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

WANG, Duanyang, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

WANG, Tianzhi, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

WANG, Xingguang, Scientist, Department of Earth Sciences, June 1, 2005 to May 31, 2006.

WU, Haibo, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

WU, Liqiang, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

XU, Yongquan, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

YUAN, Guoying, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

ZHANG, Weijing, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

ZHENG, Zhiqiang, Scientist, Department of Earth Sciences, June 1, 2005 to May 31, 2006.

ZHAO, Kaili, Scientist, Department of Earth Sciences, April 25, 2005 to January 25, 2006.

Adjunct Appointments

CATTET, Marc R.L., Assistant Professor, Department of Biology, June 1, 2005 to May 31, 2008.

FATIBENE, Lorenzo, Professor, Department of Physics, September 1, 2005 to December 31, 2005.

JUTAI, Jeffrey W., Associate Professor, School of Optometry, June 1, 2005 to May 31, 2008.

ORR, Patti, Assistant Professor, Department of Biology, June 1, 2005 to May 31, 2008.

PELTIER, William Richard, Professor, Department of Earth Sciences, May 1, 2005 to April 30, 2008.

RILEY, Stephen C., Associate Professor, Department of Biology, June 1, 2005 to May 31, 2008.

WILKIE, Michael P., Assistant Professor, Department of Biology, July 1, 2005 to December 31, 2006.

Adjunct Reappointments

COWAN, Donald D., (Professor Emeritus) Professor, Department of Biology, September 1, 2005 to August 31, 2008.

GIBSON, John, Professor, Department of Earth Sciences, April 1, 2005 to March 31, 2008.

GREEN, Howard J., (Professor Emeritus), Professor, Department of Biology, June 1, 2005 to December 31, 2005.

GUINEL, Frederique, Associate Professor, Department of Biology, September 1, 2005 to August 31, 2008.

JAMBOR, John L., Professor, Department of Earth Sciences, May 1, 2005 to April 30, 2008.

KARROW, Paul F., (Professor Emeritus), Professor, Department of Earth Sciences, September 1, 2005 to August 31, 2008.

KENDRICK, W. Bryce, (Professor Emeritus), Professor, Department of Biology, September 1, 2005 to August 31, 2008.

MOLSON, John W.H., Professor, Department of Earth Sciences, April 1, 2005 to March 31, 2008.

MUNKITTRICK, Kelly R., Professor, Department of Biology, March 1, 2005 to February 28, 2009.

SCHREER, Jason F., Associate Professor, Department of Biology, September 1, 2005 to August 31, 2008.

TWISS, Michael R., Assistant Professor, Department of Biology, July 1, 2005 to June 30, 2008.

WATSON, Susan, Professor, Department of Biology, July 1, 2005 to June 30, 2008.

WERETILNYK, Elizabeth A., Professor, Department of Biology, August 1, 2005 to July 31, 2008.

WHITE, Owen L., Professor, Department of Earth Sciences, July 1, 2005 to June 30, 2008.

WINTER, Jennifer G., Assistant Professor, Department of Biology, May 1, 2005 to April 30, 2008.

Cross Appointments

SLOAN, James, Professor, Department of Chemistry cross-appointed to Department of Earth Sciences, May 1, 2005 to April 30, 2007.

Cross Reappointments

FORREST, James, Assistant Professor, Department of Physics cross-appointed to School of Optometry, July 1, 2005 to June 30, 2008.

SCHIFF, Sherry, Professor, Department of Earth Sciences cross-appointed to Department of Biology, September 1, 2005 to August 31, 2008.

Graduate Students appointed as Part-time Lecturers

CEY, Ed, Lecturer, Department of Earth Sciences, May 1, 2005 to August 31, 2005.

Postdoctoral Fellows appointed as Part-time Lecturers

ALURU, Neelakanteswar, Lecturer, Department of Biology, September 1, 2005 to December 31, 2005.

CLARKE, Scott R.D., Lecturer, Department of Biology, September 1, 2005 to December 31, 2005.

B. ADMINISTRATIVE APPOINTMENTS

CONIGLIO, Mario, Associate Dean, Undergraduate Studies, Faculty of Science, September 1, 2005 to August 31, 2008.

DIXON, Brian, Associate Chair, Department of Biology, July 1, 2005 to June 30, 2008.

FORREST, James, Director, Guelph-Waterloo Physics Institute, Department of Physics, July 1, 2005 to June 30, 2008.

McMAHON, Terrance, Chair, Department of Chemistry, September 1, 2005 to August 31, 2008.

PACE, Rodger, Interim Associate Director, School of Optometry, July 1, 2005 to December 31, 2005.

SIMPSON, Trefford, Interim Director, School of Optometry and Interim Associate Dean of Science for Optometry, July 1, 2005 to December 31, 2005.

ADMINISTRATIVE REAPPOINTMENT

IDZIAK, Stefan, Associate Chair, Department of Physics, September 1, 2005 to August 31, 2008.

C. RETIREMENTS

BRANDON, James, Professor, Department of Physics, effective July 1, 2005.

FOR APPROVAL BY THE BOARD OF GOVERNORS**D. SABBATICALS**


BOBIER, William R., Professor, School of Optometry, September 1, 2005 to August 31, 2006, 100% salary arrangement.

EDWARDS, Thomas W.D., Professor, Department of Earth Sciences, (early leave) January 1, 2006 to June 30, 2006, 85% salary arrangement.

GORECKI, Tadeusz, Associate Professor, Department of Chemistry, September 1, 2005 to August 31, 2006, 96.1% salary arrangement.

HALL, Roland, Associate Professor, Department of Biology, January 1, 2006 to June 30, 2006, 100% salary arrangement.

TCHIR, Morris, (four for four exchange, Administrative Leave) Associate Professor, Department of Chemistry, September 1, 2005 to December 31, 2005, 100% salary arrangement.



D.G. Dixon
Dean

DGD\lw



Conrad Grebel University College
University of Waterloo

UNIVERSITY OF WATERLOO
REPORT OF CONRAD GREBEL UNIVERSITY COLLEGE TO SENATE
19 SEPTEMBER 2005

For Information:

A. Appointments:

Definite Term - Part-time

Neil Arya, Lecturer in Peace and Conflict Studies, September 1, 2005 to December 31, 2005

Matthew Bailey-Dick, Lecturer in Peace and Conflict Studies, January 1, 2006 to April 30, 2006

Jeremy Bergen, Lecturer in Religious Studies, September 1, 2005 to December 31, 2005

John Brownell, Lecturer in Music, September 1, 2005 to April 30, 2006

Gordon Burnett, Lecturer in Music, September 1, 2005 to April 30, 2006

Tim Corlis, Lecturer in Music, September 1, 2005 to April 30, 2006

Richard Cunningham, Ensemble Instructor, September 1, 2005 to April 30, 2006

Gary Dann, Assistant Professor in Philosophy, September 1, 2005 to December 31, 2005

Lorne Dawson, Associate Professor in Religious Studies, September 1, 2005 to December 31, 2005

Debra Lacoste, Lecturer in Music, January 1, 2006 to April 30, 2006

Ronald Mathies, Lecturer in Peace and Conflict Studies, January 1, 2006 to April 30, 2006

Jascha Narveson, Lecturer in Music, September 1, 2005 to December 31, 2005

Keith Regehr, Lecturer in Peace and Conflict Studies, January 1, 2006 to April 30, 2006

Tim Reimer, Lecturer in Religious Studies, May 1, 2006 to August 31, 2006

Catherine Robertson, Lecturer in Music, January 1, 2006 to April 30, 2006

David Schweitzer, Assistant Professor in History, September 1, 2005 to April 30, 2006

Elaine Sweeney, Ensemble Instructor, September 1, 2005 to April 30, 2006

Sandy Thorburn, Lecturer in Music, September 1, 2005 to April 30, 2006

Michael Wood, Ensemble Instructor, September 1, 2005 to April 30, 2006

Studio Instructors (Music)

George Greet, double bass

Barbara Kaplanek, flute

Stephanie Kramer, voice

Debra Lacoste, trumpet

Linda Melsted, saxophone

Marlin Nachtigal, organ

Catherine Robertson, piano

David Rose, viola

Elaine Sweeney, clarinet

B. Administrative Appointment

James Pankratz, Academic Dean, Associate Professor of Religious Studies, effective January 1, 2006


C. Sabbatical Leaves


Len Enns, Professor of Music, July 1, 2005 to June 30, 2006

Marlene Epp, Associate Professor of History, January 1, 2006 to June 30, 2006

James Reimer, Professor of Religious Studies, July 1, 2005 to December 31, 2005

Arnold Snyder, Professor of History, January 1, 2006 to June 30, 2006


Henry Paetkau, President


Marlene Epp, Academic Dean

UNIVERSITY OF WATERLOO
REPORT OF RENISON COLLEGE TO SENATE
19 September 2005

For Information:

A. Appointments

Definite Term – Part-time – Adjunct Associate Professor – Fall Term 2005

Judi Jewinski, Adjunct Associate Professor of English

Definite Term - Part-time Adjunct Assistant Professors – Fall Term 2005

Beverley Bell-Rowbotham, Adjunct Assistant Professor of Interdisciplinary Studies

Sandy Campbell, Adjunct Assistant Professor of Social Work

Akiko Maruoka, Adjunct Assistant Professor of Japanese

Yan Li, Adjunct Assistant Professor of Chinese

Dale Payne, Adjunct Assistant Professor of Social Work

Merilyn Thompson, Adjunct Assistant Professor of Social Work

Definite Term - Part-time Lecturers – Fall Term 2005

Jon Boyd, Lecturer in Social Work

Deborah Clark, Lecturer in Social Work

Catherine de Boer, Lecturer in Social Work

Kathy Foxall, Lecturer in Social Work

Bernadette Gallagher, Lecturer in Social Work

Angela Hovey, Lecturer in Social Work

Susan Hyde, Lecturer in Psychology

Young Gon Kim, Lecturer in Korean and East Asian Studies

Valerie Lariviere, Lecturer in Religious Studies and Fine Arts

Dick Parker, Lecturer in Social Work

Stefan Rehm, Lecturer in English

Meena Sharify-Funk, Lecturer in Religious Studies

Jacqui Smyth, Lecturer in English

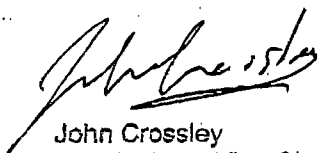
Barbara Swartzentruber, Lecturer in Social Work

Victor Ujimoto, Lecturer in East Asian Studies

John Vardon, Lecturer in English

Julia Williams, Lecturer in English

Sufeng Xu, Lecturer in Chinese



John Crossley
Principal and Vice-Chancellor

University of Waterloo

SENATE

September 19, 2005

For Approval

1. COMMITTEE APPOINTMENTS

Motion: That Senate approve the following appointments:

Long Range Planning Committee: Brian Capstick (BMath '90) as the alumni representative, term to April 30, 2006.

University Committee on Student Appeals: Rida Rehmani (Arts & Business) to replace Joshua Crosby as an undergraduate student representative, term to April 30, 2006;
Graham Strong (Optometry) to replace Wing-Ki Liu as the Science faculty representative, term to April 30, 2007.

University of Waterloo

SENATE

September 19, 2005

For Information

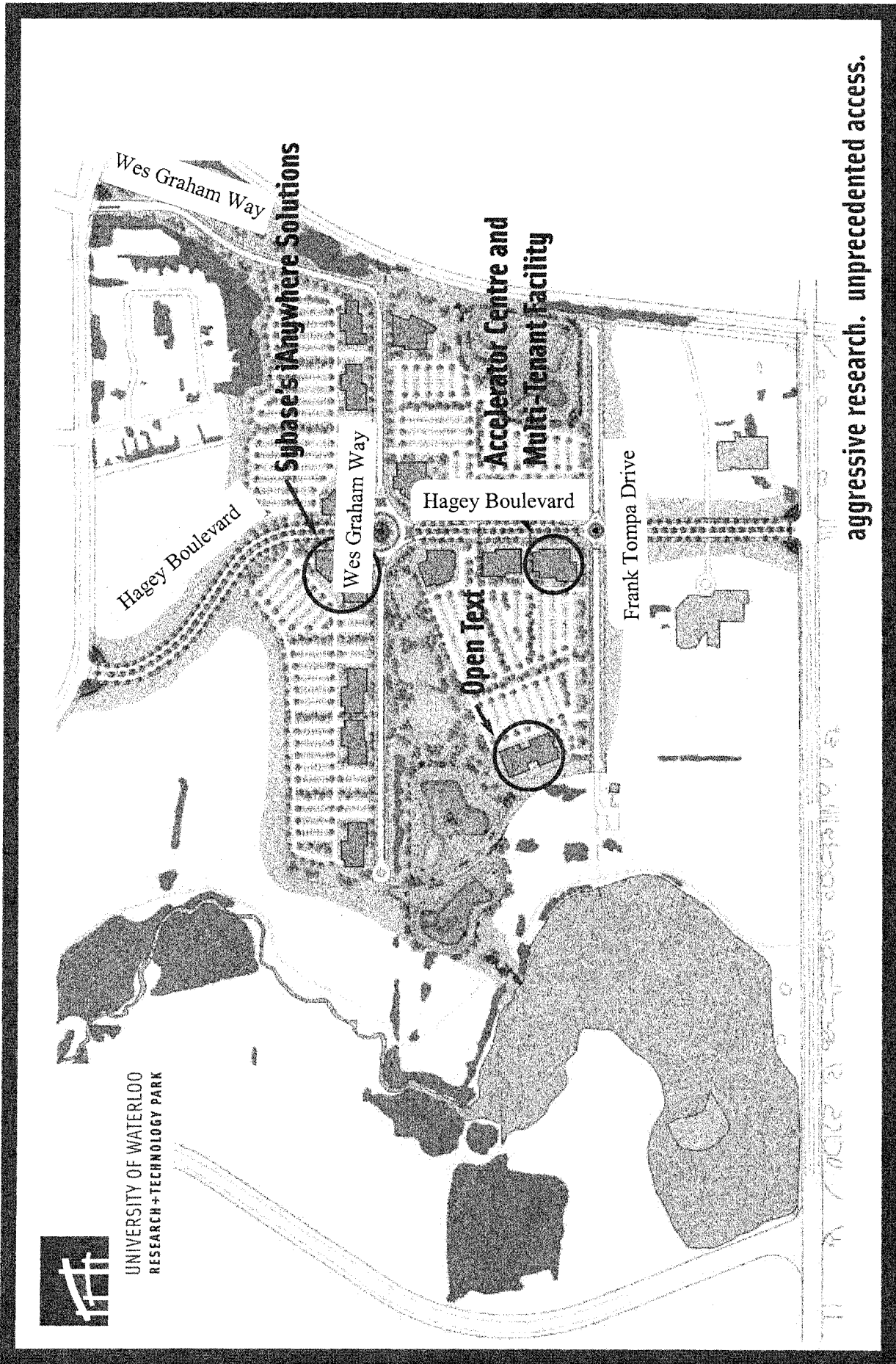
1. EXECUTIVE COMMITTEE REPORT

North Campus Street Naming Proposal

The UW Naming Principles & Procedures prescribe that such proposals be referred to the President who, if he determines that it has sufficient support and it does not fall within the prescribed list of naming opportunities, shall issue confidential correspondence to all members of the Building & Properties Committee and the Senate and Board of Governors Executive Committees outlining the reasons for the recommendation and inviting comment. "If there is support for the proposal, the President shall take it to Senate for information and discussion, and to the Board for approval."

On the delegated authority of the Senate, as prescribed by Senate Bylaw 2, the Executive Committee considered and endorsed that the street in the Research & Technology Park where the new Open Text building is located [see Appendix 1] be named *Frank Tompa Drive*. Professor Tompa founded Open Text in 1991 with several other researchers from his work at the University of Waterloo on the Oxford English Dictionary.

The Board Executive Committee, on behalf of the Board and by email consultation, approved this naming proposal.



aggressive research. unprecedented access.

University of Waterloo

SENATE

September 19, 2005

For Approval

1. NEW DEGREE HOODS

Motion: That Senate approve the following new degree hoods [samples available at Senate]:

Bachelor of Software Engineering (BES) Hood

The BES hood is in the Oxford Bachelor shape, with a silver border and white soutache braid.

Bachelor of Architectural Studies (BAS) Hood

The BAS hood is in the Oxford Bachelor shape, with a scarlet border and yellow soutache braid.

UNIVERSITY OF WATERLOO
SENATE UNDERGRADUATE COUNCIL
Report to Senate – September 19, 2005

Senate Undergraduate Council met on June 7, 2005 and agreed to forward the following items to Senate for approval and information, as indicated below [further details may be obtained from the Secretary, ext. 5924].

FOR APPROVAL

Degree Requirements

Faculty of Mathematics [effective September 2006]

English Language Proficiency Requirement

Motion: To modify the English Language Proficiency Requirement for the Faculty of Mathematics as follows:

All students in the Faculty of Mathematics must satisfy the following Writing Skills Requirement before enrolling in their 2B term:

- ~~A grade of 80% or better in OAC English 1 or English (ENG4U)*, or~~
- A grade of 60 or better on the UW English Language Proficiency Exam (ELPE), or
- Successfully complete the study program offered by the UW Writing Clinic, or
- Complete one of the following courses with a grade of a least 60%:

ESL 102R Introduction to Error Correction in Writing [new]

ENGL 109 Introduction to Academic Writing

ENGL 129R Introduction to Written English

ENGL 210E Genres of Technical Communication

ENGL 210F Genres of Business Communication

~~ENGL 210G Technical Writing Online Mode~~

Notes:

1. **Students who have written and failed ELPE should enrol in the Writing Clinic or enrol in one of the above courses rather than attempt ELPE again. [new]**
2. Students who arrange a special sitting of the ELPE outside the scheduled dates will be assessed an administrative charge.
3. A completed English Proficiency milestone on a student's academic record will indicate successful completion of this requirement.
4. Students in the Software Engineering program must satisfy this requirement as set down by the Faculty of Engineering (see page 8:3).

New Plans

Faculty of Arts [effective September 1, 2005]

Legal Studies

Honours Legal Studies, Arts & Business, Regular and Co-op

Students may combine Honours Legal Studies with Arts & Business. The requirements for Legal Studies are identical to the Joint Honours requirements and the Arts & Business requirements are as listed in the Undergraduate Calendar.

***Joint Honours Legal Studies/Sociology, Criminology Specialization
Joint Honours Sociology/Legal Studies, Criminology Specialization***

The addition of a Criminology specialization to these two plans is to meet the growing student demand for criminology courses and programs. Although the term Criminology is used in Sociology to describe courses dealing with research and theory on crime and delinquency, it also has a broader usage. Several multidisciplinary criminology programs operate in Canada and offer courses in the fields of law, political science, economics, psychology, psychiatry, and sociology. The University of Toronto, the University of Ottawa, and Simon Fraser University each operate multidisciplinary graduate and undergraduate programs in Criminology while the University of Guelph has a successful Criminal Justice and Public Policy program offered through the Department of Political Science. In addition, the University of Windsor offers a highly subscribed undergraduate degree in Criminology housed in the Department of Sociology. York University has a multidisciplinary Law and Society program and Carleton University in Ottawa offers a BA in Criminology and Criminal Justice and an MA degree in Legal Studies. All of these programs attract large numbers of students.

Adding a Criminology specialization to these plans will provide undergraduate students with choices that they will not find elsewhere. This will be the only degree in Canada that combines legal studies, sociology, and criminology and offers a wide range of interdisciplinary and multidisciplinary course selections. The Joint Honours Program will provide students with a strong background in theory and research methods along with an in-depth exposure to courses in law, legal institutions, crime, deviance, and social control.

The degree will provide a broad-based liberal arts education and should appeal to students who are interested in careers in law-related fields as well as corrections and criminal justice. It will also leave open the possibility of graduate studies in Criminology, Criminal Justice, Social Work, Legal Studies, and the established field of Sociology.

The program originates from an initiative from the office of the Provost and draws upon existing resources in Sociology and a variety of departments that teach in the Legal Studies program. It is hoped that new hires in Sociology and other disciplines will help to broaden the offerings in Legal Studies and in the Legal Studies/Sociology or Sociology/Legal Studies Joint Honours Program with the Criminology Specialization.

Requirements

Joint Honours Legal Studies/Sociology, Criminology Specialization

Eligibility for graduation in the Joint Honours Legal Studies/Sociology with a Criminology Specialization includes fulfilment of the following requirements:

1. Successful completion of a minimum of 20 academic course units including Faculty of Arts Group A and B requirements with an overall cumulative average of 60% and a cumulative average of at least 75% in both Legal Studies core and approved courses and 75% in Sociology courses.
2. Successful completion of at least ten courses in Legal Studies core and approved courses including:
 - LS 101, 401, 402
 - Four additional courses from the following Foundation Courses: AFM 231; HIST 277, 329; PHIL 215, 327; PSCI 291, 363; PSYCH 230; SOC 370
 - Three additional courses from the balance of the Foundation and Approved Courses:

- ACTSC 458; CLAS/HIST 210; ENGL 210I, 213; ENVS 201, 401; HIST 236; ISS 350G; MTHEL 100; PACS 323; PHIL 226; PLAN 471; PSCI 225, 226, 260, 333; SOC 249, 325
- Of the ten Legal Studies core and approved courses:
 - a minimum of one course must be taken from each of five of the associated/approved disciplines.
 - at least four of the courses (in addition to LS 401 and 402) must be at the third-year level or above.
 - 3. Successful completion of at least ten courses in Sociology:
 - SOC 101, 202, 280, 302, 321, 322, 499A, 499B
 - One of: SOC 401, 404, 405, 406, 407, 408, 409, 414
 - One additional elective in Sociology
 - 4. Successful completion of ten courses in Criminology for the Criminology Specialization:
 - LS 102; SOC 227
 - Four of the following Legal Studies courses: ENGL 212; PACS 202; PSCI 292, 459; PSYCH 330
 - Four of the following Sociology courses: SOC 201, 222, 223, 226, 228, 229, 327, 428

Note: Only one of AFM 231 and MTHEL 100 may be taken.

Joint Honours Sociology/Legal Studies, Criminology Specialization

Eligibility for graduation in the Sociology/Legal Studies with Criminology Specialization includes fulfilment of the following requirements:

1. Successful completion of a minimum of 20 academic course units including Faculty of Arts Group A and B requirements with an overall cumulative average of 60% and a cumulative average of at least 75% in both Legal Studies core and approved courses and 75% in Sociology courses.
2. Successful completion of at least ten courses in Sociology:
 - SOC 101, 202, 280, 302, 321, 322, 499A, 499B
 - One of: SOC 401, 404, 405, 406, 407, 408, 409, 414
 - One additional elective in Sociology
3. Successful completion of at least ten courses in Legal Studies core and approved courses including:
 - LS 101, 401, 402
 - Four additional courses from the following Foundation Courses: AFM 231; HIST 277, 329; PHIL 215, 327; PSCI 291, 363; PSYCH 230; SOC 370
 - Three additional courses from the balance of the Foundation and Approved Courses: ACTSC 458; CLAS/HIST 210; ENGL 210I, 213; ENVS 201, 401; HIST 236; ISS 350G; MTHEL 100; PACS 323; PHIL 226; PLAN 471; PSCI 225, 226, 260, 333; SOC 249, 325
 - Of the ten Legal Studies core and approved courses:
 - a minimum of one course must be taken from each of five of the associated/approved disciplines
 - at least four of the courses (in addition to LS 401 and LS 402) must be at the third-year level or above
4. Successful completion of ten courses in Criminology for the Criminology Specialization:
 - LS 102; SOC 227
 - Four of the following Legal Studies courses: ENGL 212; PACS 202; PSCI 292, 459; PSYCH 330
 - Four of the following Sociology courses: SOC 201, 222, 223, 226, 228, 229, 327, 428

Note: Only one of AFM 231 and MTHEL 100 may be taken.

Plan Change

Faculty of Mathematics [effective September 1, 2006]

Mathematics/Chartered Accountancy

Motion: To modify the Plan as outlined in Attachment #1.

Rationale: These modifications will convert the Mathematics/Chartered Accountancy Plan to an additional cost-recovery plan similar to the Bachelor of Financial Management (BAFM) plan in the Faculty of Arts. The changes will allow Mathematics/Chartered Accountancy students access to specialized upper-year AFM courses currently restricted to BAFM students.

FOR INFORMATION

Curricular Modifications

On behalf of Senate, Council approved several changes to academic plans, new courses, course changes and course inactivations for the Faculties of Arts (Accountancy, Arts & Business, Arts Special Programs, Dean of Arts, Digital Communication Specialization, English Language & Literature, History, Italian Studies, Legal Studies, Psychology, Religious Studies, Sociology, Spanish and Latin American Studies); Engineering (Management Sciences, Software Engineering); Mathematics (Dean of Mathematics); and the Inter/Multi-disciplinary Programs (Independent Studies, International Studies, Legal Studies).

/tlc
August 29, 2005

Gail Cuthbert Brandt
Chair

Mathematics/Chartered Accountancy Plan

The Faculty of Mathematics, in co-operation with the School of Accountancy, offers the Honours Mathematics/Chartered Accountancy plans which combine mathematics with accounting and business-related disciplines.

Deleted: and the Departments of Economics and Management Sciences

In addition to providing excellent background preparation for careers in industry, these plans can lead to post-graduate studies in business-oriented disciplines. In particular, the Mathematics/Chartered Accountancy plans are specifically designed to be a prelude to UW's two-term Master of Accounting (MAcc) graduate degree plan in the Faculty of Arts.

Note

In accordance with Math Faculty policy (see 'Academic Programs/Plans' Combination Honours Academic Plans Within the Faculty of Mathematics and Combination Honours Academic Plans With Other Faculties Leading to the BMath Degree on pages 11:3-11:4), students in the Honours Mathematics/Chartered Accountancy plans are not eligible for a Minor designation nor a Joint/Double Honours designation.

The Honours Mathematics/Chartered Accountancy plans provide an opportunity for studies in Actuarial Science, Computer Science, Optimization, and Statistics combined with an extensive professionally-oriented sequence of Accounting courses. Graduates are well prepared to play a leading role in the increasingly important development and utilization of computer-based accounting information systems, the analysis of the information provided by such systems, and the subsequent decision-making processes and allocation of resources so crucial to an organization's success in the modern business world.

These plans involve four co-op work terms, the first of which occurs in the Winter term immediately following the Fall 2A academic term (see the co-op 'Study/Work Sequence' chart on page 5:4). Students are exempted from paying co-op fees for their 1A and 1B terms.

Admissions

Students normally apply for direct admission from high school into the first year of the Mathematics/Chartered Accountancy Plan. Upon successful completion of a provisional first year, students will formally proceed into the Mathematics/Chartered Accountancy plan in second year. Successful completion of the provisional year requires all of the following:

- Successful completion of at least 5.0 units including the following courses: AFM 101, 102, 131; MATH 135/145, MATH 137/147; one of CS 125, 133, 134, 135;

Deleted: Honours Mathematics/Chartered Accountancy is a restricted-enrolment (Co-operative only) plan with admission normally limited to Year 1 in a Fall (September to December) term. In Year 2, provided they remain eligible for the Honours program, students must select the specific Mathematics/Chartered Accountancy Option plan of their choice from (a) to (d) below.

one of MATH 136/146, 138/148; and one of ECON 101, 102. These courses must be completed within 12 months of admission into the provisional year.

- A minimum average of 60% in all Math Faculty courses taken to date.
- A minimum average of 70% in all AFM and ECON courses taken to date.
- 'Good standing' or 'Excellent standing' in the Faculty of Mathematics.

Students not currently enrolled in the provisional year, may apply for admission into the plan. However, Mathematics/Chartered Accountancy is a limited-enrolment plan and successful completion of the above conditions will not guarantee admission.

Honours Mathematics/Chartered Accountancy (Co-operative only)

In conjunction with the common degree requirements in Table I in 'Degree Requirements' on page 11:5, this plan requires at least 18 math courses, and includes all of the following courses:

One of

CS 125 Introduction to Programming Principles or CS 133 Developing Programming Principles or CS 135 Designing Functional Programs
CS 230 Introduction to Computers and Computer Systems
CS 234 Data Types and Structures
CS 241 Foundations of Sequential Programs

All of

CS 134 Principles of Computer Science or CS 136 Elementary Algorithm Design and Data Abstraction
MATH 135 (or MATH 145) Algebra
MATH 136 (or MATH 146) Linear Algebra 1
MATH 137 (or MATH 147) Calculus 1
MATH 138 (or MATH 148) Calculus 2
STAT 230 (or STAT 240) Probability
STAT 231 (or STAT 241) Statistics
ACTSC 291/AFM 272 Mathematical Managerial Finance 1
ACTSC 391/AFM 372 Mathematical Managerial Finance 2
CS 330 Management Information Systems
STAT 373 Regression and Forecasting Models in Finance

All of

AFM 101 Core Concepts of Accounting Information
AFM 102 Introduction to Managerial Accounting
AFM 131 Management
AFM 201 Introduction to Professional Practice
AFM 231 Business Law or MTHEL 100 Commercial and Business Law for Mathematics Students
AFM 291 Intermediate Financial Accounting 1
AFM 331 Business Strategy

Deleted: 20

Deleted: These overall requirements must include the core math courses outlined in Table II in 'Degree Requirements' on page 11:6 and the following courses:

Deleted: STAT 371 Statistics for Business 1

Deleted: One additional math course not used to satisfy any of the course requirements for the Option choice (a) to (d) below. ¶

Deleted: Fundamental Applications to Accounting

AFM 361 Taxation 1
 AFM 391 Intermediate Financial Accounting 2
 AFM 401 Accounting Theory
AFM 431 Business Ethics
 AFM 451 Audit Strategy
 AFM 461 Taxation 2
 AFM 481 Cost Management Systems
 AFM 491 Advanced Financial Accounting
 ECON 101 Introduction to Microeconomics
 ECON 102 Introduction to Macroeconomics
 ENGL 210F Genres of Business Communication
 SPCOM 223 Public Speaking

All of the courses for one of the Option *choices below*.

a) Actuarial Science Option

All of

MATH 237 (or MATH 247) Calculus 3
 ACTSC 231 Mathematics of Finance
 ACTSC 232 Introduction to Actuarial Mathematics
 ACTSC 331 Life Contingencies 1
 ACTSC 431 Loss Models
 STAT 330 Mathematical Statistics
 STAT 333 Applied Probability

Deleted: One of ¶
 MSCI 211 Organizational
 Behaviour .
 PHIL 215 Professional and
 Business Ethics

Four additional courses chosen from any AFM, MSCI, ECON course or any math course.

b) Finance Option

All of

MATH 237 (or MATH 247) Calculus 3
 ACTSC 471 Advanced Finance
 AFM 472 Investments
AFM 492 Financial Statement Analysis
~~STAT 330 Mathematical Statistics~~

Deleted: CO 350 Linear
 Optimization or CO 355
 Mathematical Optimization .

Three of

ACTSC 445 Asset-Liability Management
 ACTSC/STAT 446 Mathematical Models in Finance
CO 350 Linear Optimization or CO 355 Mathematical Optimization
 CO 372 Portfolio Optimization
CS 437/STAT 340 Simulation

Deleted: Two

Three additional courses chosen from any AFM, MSCI, ECON course or any math course.

c) Information Systems Management Option

All of

- MATH 239 (or MATH 249) Introduction to Combinatorics
- CO 350 Linear Optimization or CO 355 Mathematical Optimization
- CS 338 Computer Applications in Business: Databases
- CS 432 Business Systems Analysis

Two of additional courses chosen from

- MATH 237 (or MATH 247) Calculus 3
- CO 351 Network Flow Theory
- CO 370/CM 443 Deterministic OR Models

- CS 430 Applications Software Engineering
- CS 437/STAT 340 Simulation

Deleted: Three

Deleted: CO 350 Linear Optimization or CO 355 Mathematical Optimization

Deleted: CS 230 Introduction to Computers and Computer Systems
CS 234 Data Types and Structures

One of

MSCI 421 Strategic Management of Technology and Innovation

- MSCI 432 Production and Operations Management
- MSCI 443 Telecommunication Management

Deleted: AFM 442 E-business: Enterprise Systems
AFM 443 E-business: Introduction to Electronic Commerce
MSCI 311 Organizational Design and Technology

Four additional courses chosen from any AFM, MSCI, ECON course *or* any math course.

Deleted: MSCI 422 Economic Impact of Technological Change and Entrepreneurship

Notes

1. To graduate with an Honours BMath/Chartered Accountancy (any Option) degree, students must achieve a cumulative average of at least 70% based upon all the required non-math courses that are common to all the Options. ~~This 'Special Major Average' (SMAV) will include all grades in these courses, whether passed, failed, or repeated.~~ **Exclusions (if any) from this 'Special Major Average' (SMAV) are specified in section 1 under Faculty Policies on page 11:38.**
2. To remain eligible to continue in any Mathematics/Chartered Accountancy plan, students must normally have a SMAV (see preceding Note 1) of at least 70%. This criterion will apply beginning at the end of a student's 1B term and each term thereafter through to graduation.
3. The average requirements for required non-math courses in Notes 1 and 2 above are in addition to the cumulative overall average (CAV) and major average (MAV) requirements specified in Table I in 'Degree Requirements' on page 11:5 (which includes the degree requirements common to all BMath Honours plans) and described in detail in sections 1 through 4 under 'Faculty Policies' on pages 11:37-11:38.
4. There is ~~no~~ **very little** flexibility for altering the academic/work-term sequence prescribed for the Mathematics/Chartered Accountancy plans (see the co-op 'Study/Work Sequence' chart on page 5:4) because of limited term offerings and

Deleted: d) Operations Research Option

One of ¶
MATH 237 (or MATH 247) Calculus 3
MATH 239 (or MATH 249) Introduction to Combinatorics ¶
All of ¶
CO 350 Linear Optimization or CO 355 Mathematical Optimization
CO 370/CM 443 Deterministic OR Models
CS 437/STAT 340 Computer Simulation of Complex Systems
MSCI 432 Production and Operations Management ¶
Two of ¶
CO 351 Network Flow Theory
CO 367/CM 442 Nonlinear Optimization
CO 453 Network Design
CO 454 Scheduling
STAT 333 Applied Probability ¶

structured prerequisites for most AFM courses. Since deviations from this sequence can cause a delay in graduation of as much as one calendar year, alterations should not be considered without careful consultation with the appropriate Faculty Advisor.

5. *The order in which required non-math courses in these plans are taken is very important, and there is little room for flexibility (for the same reasons in Note 4 above). During the class enrolment period each term, students should be sure to consult with the appropriate Faculty Advisor.*
6. *Students may not repeat an AFM course in which they have obtained a grade of 60% or higher. AFM courses completed with a grade in the range 50 - 59% may be repeated, but only once, and then only with approval from the School of Accountancy.*
7. *Students who have attempted, to the satisfaction of the Mathematics Faculty Standings and Promotions Committee and the Department of Co-operative Education and Career Services, to gain employment for all four available work terms, but are successful in so doing for only three work terms, will be eligible for a Co-op degree, provided they have received credit for all three of their work terms and all three of their work reports, and they have successfully completed all academic graduation requirements. (Students who are successful in gaining acceptable employment for four work terms will be required to have credit for all four work terms and all four work reports in order to qualify for a Co-op degree.)*
8. *Students who meet all the academic graduation requirements for this plan, but who do not meet the minimum requirements for a Co-op degree (see preceding Note 7) may, in exceptional circumstances and at the discretion of the Mathematics Faculty Standings and Promotions Committee, be awarded a Regular Honours BMath/Chartered Accountancy degree with the appropriate Option.*

Tuition

This is a cost-recovery plan as defined by the Ministry of Education and Training. As such, tuition higher than the normal University of Waterloo tuition is required. For details of tuition costs, please see Chapter 3 of the Calendar.

Eligibility for UW's Master of Accounting (MAcc) Academic Plan

The School of Accountancy in the Faculty of Arts offers a Master of Accounting (MAcc) degree. This eight-month graduate plan is taken in consecutive Winter and Spring terms immediately following completion of the 4B Fall undergraduate study term. BMath graduates of the Honours Mathematics/Chartered Accountancy plans who also satisfy the additional requirements 1. and 2. below are eligible to enrol for MAcc studies:

Deleted: normally

1. MAcc applicants are required to meet all University of Waterloo Graduate School entry requirements, including having achieved a minimum cumulative average of 75% in their undergraduate course work. Candidates are also normally required to

have attained a minimum average of 75% in all their required AFM courses during their last year of undergraduate studies.

2. MAcc applicants are required to have successfully completed MSCI 211 (Organizational Behaviour) as part of their undergraduate studies.

Students who successfully complete their MAcc studies are currently exempt from all additional professional educational requirements set by the Institute of Chartered Accountants of Ontario (ICAO) and may write the nation-wide Uniform Final Examination (UFE) at the first opportunity following graduation, normally in September immediately following August completion of their MAcc studies.

Honours Mathematics/Chartered Accountancy graduates who do not pursue MAcc studies, but still wish to qualify to write the UFE, will first need to take some additional Accounting courses following completion of their BMath studies, either through the University of Waterloo's Post-Degree Accounting Diploma plan (currently scheduled to be available in the Winter term immediately following the 4B Fall term) or at another university. Such students will also have to satisfy the various additional professional certification requirements of the ICAO from which MAcc graduates are currently exempt.

Deleted: and PHIL 215 (Professional and Business Ethics) even though only one of these courses is required for their BMath degree

Deleted: both

Deleted: The additional course can be incorporated by taking a sixth on-campus course (at no extra tuition cost) during selected academic terms (an option available only to students with strong academic records) or by taking a Distance Education course during an off-campus term. At the present time, ECON 101, ECON 102, MSCI 211 and PHIL 215 are available through Distance Education. ¶