

*University of Waterloo  
SENATE  
Minutes of the Monday, October 16, 2006 Meeting*

**Present:** David Johnston (Chair), Lois Claxton (Secretary), Robert Allie, David Barton, Claire Bazley, Stephen Birkett, Steve Brown, Amit Chakma, Tom Coleman, Tristanne Connolly, John Crossley, Antero Da Silva, George Dixon, Mardon Frazer, Alan George, James Gollnick, Mariela Gutiérrez, Mark Haslett, Dennis Huber, Janice Husted, Beth Jewkes, Richard Kelly, Duane Kennedy, Ken Lavigne, Robert Le Roy, Eric Logan, Harriet Lyons, Robert Mann, Roger Mannell, Atefeh Mashatan, David Matthews, Christine McWebb, Elizabeth Meiering, Bruce Mitchell, Stephen Murphy, Henry Paetkau, Jim Pankratz, Bill Power, Sharon Robertson, Selva Selvakumar, James Skidmore, Craig Sloss, Russ Snyder-Penner, Aaron Stauch, Donna Strickland, Myroslaw Tataryn, Scott Taylor, Susan Tighe, Michelle Zakrisson, Frank Zorzitto

Gail Cuthbert Brandt, Chris Eliasmith, Peggy Jarvie, Catharine Scott, Bob Truman, Bud Walker

**Absent:** Jean Andrey, Ranjana Bird, Graham Brown\*, Brian Capstick\*, Ken Coates\*, Kate Daley\*, Caustan De Riggs, Tom Duever\*, Sherry Dupuis\*, Fraser Easton, Pierre Filion\*, Peter Forsyth, Roydon Fraser, Bob Harding\*, Mary Hardy, Tim Kenyon, Scott Kline\*, Mike Lazaridis\*, Ciprian Mihalcea\*, Tracy Peressini, Marek Ratajczak\*, Catherine Rosenberg\*, Deep Saini\*, Gerry Schneider, Adam Schubert, Adel Sedra\*, Douglas Stebila\*, Tony Vannelli, Geoff Wall, Johnny Wong

\*regrets

**OPEN SESSION**

**Consent Agenda**

Senate heard an omnibus motion to approve or receive for information by consent items 1-5 [below].

Jewkes and Le Roy.

**1. APPROVAL OF MINUTES**

The September 18, 2006 minutes were approved as distributed.

**2. REPORT OF THE CHAIR**

**Recognition and Commendation.** Senate received this report for information.

**3. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST**

**Call for 'University Professor' Nominations.** Senate received this document for information.

**4. REPORTS FROM THE FACULTIES AND ST. JEROME'S UNIVERSITY** [revised page A3 at Senators' places]

Senate received these reports for information.

**5. OTHER BUSINESS**

**Approval of Degrees, Diplomas and Certificates** [lists of graduands available at Senate]. Senate approved the lists of candidates for degrees, diplomas and certificates as recommended by the

Faculty Councils and the Dean of Graduate Studies, and authorized the Chair, the Registrar and the Dean of Graduate Studies to add to or change the lists of candidates for degrees, diplomas and certificates as approved at the meeting on October 16, 2006.

***University Committee on Student Appeals Appointments.*** Senate approved the following undergraduate student representative appointments: Eric Logan (Combinatorics & Optimization), term to December 31, 2006, and Victoria Hilborn (Environmental Engineering), replacing Eric Logan, term from January 1, 2007 to April 30, 2007.

The motion carried.

### **Regular Agenda**

#### **6. BUSINESS ARISING FROM THE MINUTES**

***CERT University in Abu Dhabi.*** Further to his report at the September meeting of Senate, the Provost advised that the delegation, led by Bill Lennox, former Dean of Engineering, has returned from Abu Dhabi and the team's report on its fact-finding is being reviewed by the Faculties. Noting that this is still very much a work in progress with much remaining to be done before UW can determine whether the initiative will proceed, the Provost advised he would keep Senate informed of progress and that any proposals re: academic programs would be brought before Senate.

***UW Relationships with Jiangsu Province and Nanjing University*** [powerpoint slides: [www.secretariat.uwaterloo.ca/jiangsu.oct1606.pdf](http://www.secretariat.uwaterloo.ca/jiangsu.oct1606.pdf); 'Research and Education Collaborations in China' at Senators' places]. In their joint presentation, the Associate Vice-President, Academic and the Associate Provost, Academic & Student Affairs addressed: the historical relationship between UW and Nanjing University (reinforced by the twinning of Ontario and Jiangsu Province); the academic stature of Nanjing University (quality of students is extremely high); the objectives of Sino-Canadian College (UW and Nanjing University) as reflected in the agreement executed between the two institutions in November 2005; the first undergraduate students admitted to the College in September 2006 (Environmental Studies but with plans to grow to include the other Faculties as feasible), scheduled to come to Waterloo in September 2008 (2+2 program) but contingent on their meeting UW admission requirements; the potential for linkages resulting from the Confucius Institute being established at Renison College.

Senators heard that the Sino-Canadian College agreement addresses only undergraduate students and that, while the fees charged would be at the international rate, UW is considering discussions with the province about the possibility of the province paying the difference between the domestic and international rates. Other forms of support for these students are also under discussion.

#### **7. CECS REVIEW UPDATE**

In updating Senate on progress with respect to recommendations, the Associate Provost, Academic & Student Affairs and the Executive Director of CECS highlighted a number of accomplishments over the past year including: Associate Deans Co-op or equivalent have been identified in all Faculties; the Co-operative Education Council is meeting regularly, providing an integrated academic/academic support partnership; preparation is well underway for the 50<sup>th</sup> anniversary co-op event; PD courses are being rolled out for all Faculties; good progress has been made on the employment review process; orientation of new faculty is taking place; CECS is working with the Graduate Studies Office re: graduate co-op.

In response to questions, Senators heard: there is intent to monitor the value of PD courses both individually and collectively; the graduate co-op fees are the equivalent of the undergraduate fees, collected in advance of each work term; Career Services is highly rated by users, though numbers are small and efforts are being made to publicize the service; the question of whether any preference should/could be given re: co-op placements to students paying higher tuition fees (all students pay the same co-op fee) will be referred to the Co-operative Education Council.

Senators understood that they would continue to receive an annual update on implementation of recommendations.

#### 8. **REPORT OF THE CHAIR**

**Environmental Scan** [[www.secretariat.uwaterloo.ca/es.oct1606.pdf](http://www.secretariat.uwaterloo.ca/es.oct1606.pdf)]. The Chair gave both a federal (AUCC pre-budget submission focused on 'Research Creates Opportunities'; the S&T strategy is still under development; NSERC and SSHRC are under review; Minister Flaherty highlighted PSE and research during a recent speech on fiscal federalism) and provincial overview (Deputy Minister Steenkamp's visit tomorrow; the now-executed multi-year accountability agreement; common data set for Ontario universities – the by-product of most Ontario universities withdrawing from the *Maclean's* survey).

He addressed the operating and capital grants available for each new domestic graduate student and the November 2007 date for UW to achieve its target. Also, the good feedback being received on his SmartCity Challenge.

With respect to the University of Waterloo/City of Stratford/Stratford Festival Theatre non-binding Memorandum of Understanding which was approved today by Stratford City Council, the President advised that this idea had been germinating for many years but received recent impetus in May when Stratford expressed its intent/desire for a post-secondary presence in the city. Though still in very early, exploratory days, the President noted the initiative is similar to those in Cambridge and in Kitchener, with the Mayor and Council fully supportive (Mayor Mathieson of Stratford intends to make this a 2006 election piece). Discussions among the parties will continue over the next six months and if appropriate interest and support can be garnered (UW will be looking to Stratford for capital funds and land), business and academic plans will be developed.

In response to questions, the President advised that it is still too early to know whether the college would operate as a 2+2 or 1+3 but such model would be preferable to a stand alone and whatever initiative might be realized in Stratford is to enhance, not diminish, UW's academic quality. He offered to keep Senate updated regularly.

#### 9. **REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST**

**Sixth Decade Plan.** With respect to the Sixth Decade Plan, the Provost advised that the Senate Long Range Planning Committee has formed small working groups to address a number of items of unfinished business and to report back to SLRP with recommendations.

**Performance Indicators.** The Provost noted that, because of timing, an update on Performance Indicators will go to the Board, for information, at its October 30 meeting, and will be presented to Senate in November.

## 10. REPORTS FROM COUNCILS

### *Graduate & Research*

- **Establishment of Centre.** Senate heard a motion to approve the establishment of the Centre for Theoretical Neuroscience at the University of Waterloo for five years (October 2006-October 2011) as outlined in the report.

Kennedy and Gutiérrez. Carried.

- **Program Changes.** Senate heard a motion to approve that the seminar requirement be removed from the MEng program in Systems Design Engineering and that the number of required courses for the PhD program in Applied Mathematics be changed to eight courses from a Bachelors degree and four courses from a Master's degree.

Jewkes and Sloss. Carried.

The remaining item in the report was received for information.

### *Undergraduate*

- **Academic Plan Changes.** Having noted that CS 452 should be deleted [see page A38, "The two upper year CS Electives are chosen from . . . "], Senate heard a motion to approve that the requirements for the following plans be revised as outlined in the report: Computational Science (Regular and Co-op), Honours Computational Science (No Specialization), Honours Computational Science/Biochemistry, Honours Computational Science/Chemistry, Honours Computational Science/Earth Sciences, Honours Earth Sciences (Hydrogeology Specialization) (Regular and Co-op), Science/Psychology (Regular & Co-op).

Mashatan and Le Roy. Carried.

- **Undergraduate Admission Requirements.** Senate heard a motion to approve the 2008 Undergraduate Admission Requirements as detailed in the report.

Lavigne and Stauch. Carried.

The remaining item in the report was received for information.

## 11. OTHER BUSINESS

There was no other business.

Senate convened in confidential session.

## UW Relationships with Jiangsu Province and Nanjing University

Gail Cuthbert Brandt, Associate Vice-President  
Academic

Bruce Mitchell, Associate Provost Academic &  
Student Affairs

Senate 16 October 2006

## Jiangsu Province

Some features of Jiangsu  
Province:

- located in eastern China  
and borders the Yellow  
Sea
- population (2004) =  
74,330,000



## Jiangsu Province

- GDP – 2<sup>nd</sup> highest in China – estimated at \$191.4 billion US\$ in 2004, with annual growth rate of 13.5%
- major cities: Nanjing (administrative capital), Suzhou (garden city), Wuxi
- twinned with Province of Ontario since 1985

## Nanjing University

- celebrated 100<sup>th</sup> anniversary in 2002
- ranked in the top 5 of all Chinese universities
- goal to be “a comprehensive, research-oriented and internationally world-class university”
- fewer than 0.5% of all high school graduates from Jiangsu Province eligible for university meet NJU admission standards.

## Nanjing University

- two campuses, and a lead partner in the new international higher education park being established by Jiangsu Province in Xianlin on outskirts of Nanjing
- programs in the humanities, social sciences, natural sciences, technological sciences, life sciences, engineering and management
- 17 Schools (Faculties) with 50 departments

## Nanjing University

- 2,000 faculty, including 654 full professors and 27 Academicians of the Chinese Academy of Sciences
- about 42,000 students, including just under 10,000 Masters and doctoral students
- Library system has over 4.29 million volumes, ranking among the top of all Chinese university libraries
- links with universities in more than 30 countries
- relationship with UW dating back at least until 1989

## UW Relationships

- UW and NJU collaborate on 2 CIDA projects – most recent has been ECOPLAN CHINA
- Original Project Director: Dr. Geoffrey Wall, Dept. of Geography, FES
- Current Project Director: Dr. David Wood, Research and International Development, FES

## UW Relationships

- July 2004 - visit of Jiangsu Province Party Secretary, LI Yuanchao to UW – strong interest expressed in having UW develop partnership with Nanjing University of Technology and provide training programs to educators and government officials
- October 2003, July 2005 - Renison College provides ESL teacher training program for two groups of university instructors of English from Jiangsu province

## UW Relationships

- November 2005 – UW President David Johnston and Renison Principal John Crossley accompany Premier Dalton McGuinty on Ontario trade mission to China
- Premier McGuinty signs MOU of cooperation with Jiangsu Governor
- Pres. Johnston signs agreements with Nanjing University, Nanjing University of Technology, and Nanjing University of Finance
- Principal Crossley begins discussions with NJU regarding establishment of a Confucius Institute at Renison

## UW Relationships

- February 2005 - Director of Jiangsu Provincial Department of Education, WANG Bintai visits UW – expresses interest in establishing training programs in IT
- May 2006 –Party Secretary Li, Mr. Wang and President Johnston meet in New York City – Jiangsu invites UW to establish a branch campus in new international education park
- May 2006 – NJU Chancellor, Vice President, Director of International Office and Director of NJU-Johns Hopkins College visit UW to discuss Sino-Canadian College and Confucius Institute
- June 2006 – MOU signed to establish Confucius Institute at Renison
- September 2006 – MOU signed with Jiangsu Provincial Department of Education to explore collaboration re: UW branch campus, IT training, and student recruitment

## Sino-Canadian College UW-NU

- initially proposed by Nanjing University in fall 2004; Agreement signed on 11 November 2005 by two Presidents


Objectives include development of:

- joint undergraduate degree programs for undergraduate students
- degree programs for graduate students
- non-degree exchange programs
- non-degree diploma training program
- faculty and staff exchanges/collaborative research

## Sino-Canadian College UW-NU

- begin with undergraduate plans in Environmental Studies, to grow to include Arts and Science, as well as Mathematics and Applied Health Sciences, as appropriate. 100% co-op of Engineering a challenge.
- opportunity for linkages with Confucius Institute at Renison College
- first undergraduates students admitted to College in September 2006, to come to UW in September 2008

University of  
**Waterloo**



**UW Senate  
Environmental Scan**

October 16, 2006

**International**

Jiangsu collaboration

- Exploring a 1+4 year program to attract top students into Math & CS
- Year 1 English & culture
- Begin with 100 students
- Urging Ontario to consider topping up domestic fees through a special Premier of Ontario – Governor of Jiangsu Scholarship

**Federal overview**

- AUCC pre-budget submission focus is “Research Creates Opportunities”
- Federal S&T Strategy still in development
- Granting councils under review — focus is on NSERC and SSHRC
- Min. Flaherty highlighted PSE and research during a recent speech on fiscal federalism

**Provincial overview**

- DM Philip Steenkamp visited UW & toured IQC
- Multi-year Accountability Agreement has been signed
- Provincial election Oct. 4, 2007
- Common Data Set for Ontario universities

## Local overview

Discussions with City of Stratford and Stratford  
Festival of Canada

- Exploring establishment of a UW presence in Stratford
- Memorandum of Understanding negotiated
- Further discussions related to land acquisition, capital for construction