

**FACULTY OF SCIENCE
Meeting of Faculty
Tuesday, December 6, 2005
Leacock Council Room - L232**

ATTENDANCE: As recorded in the Faculty Appendix Book.

DOCUMENTS: S-05-21, S-05-22

Dean Grant called the meeting to order at 3:00 p.m.

(1) ADOPTION OF AGENDA

Prof. Andrews **moved**, seconded by Prof. Drury, that the Agenda be adopted.

(2) MINUTES OF NOVEMBER 15, 2005 S-05-21

Prof. Drury **moved**, seconded by Prof. Andrews, that the Minutes be approved.

The motion carried.

(3) BUSINESS ARISING FROM THE MINUTES

There was no business arising from the Minutes.

(4) REPORTS OF COMMITTEES

b) Academic Committee S-05-22

The Academic Committee approved the following on Tuesday, November 29, 2005:

SECTION A: NEW AD HOC PROGRAM (For Information)

B.A. & Sc. Ad hoc Honours Program in Human Evolution AC-05-31

SECTION B: MAJOR PROGRAM CHANGES

- Immunology Interdepartmental Honours AC-05-44

Associate Dean Hendren **moved**, seconded by Prof. Verbrugge, that the program changes be approved.

The motion carried.

SECTION C: NEW COURSES

- 1) Undergraduate Research Project (3 Credits)**
- ANAT 396 (Anatomy & Cell Biology) AC-05-32A
 - ATOC 396 (Atmospheric & Oceanic Sciences) AC-05-32B
 - BIOL 396 (Biology) AC-05-32C

- COMP 396 (Computer Science)
- EPSC 396 (Earth & Planetary Sciences)
- GEOG 396 (Geography)
- MATH 396 (Mathematics & Statistics)
- MIMM 396 (Microbiology & Immunology)
- PHYS 396

AC-05-32D

AC-05-32I

AC-05-32E

AC-05-32J

AC-05-32F

Associate Dean Hendren **moved**, seconded by Prof. Ronis, that the changes be approved.

The motion carried.

SECTION E: MINOR COURSE CHANGES (For Information Only)

- Minor Course Changes

**AC-05-30/
MCC-05-14**

SECTION F: MINOR PROGRAM CHANGES (For Information Only)

- Minor Program Changes

AC-05-P3

SECTION G: OTHER (For Information Only)

- Restriction on World of Chemistry Courses for B.A. & Sc. Students

AC-05-59

Associate Dean Hendren said that the same restriction already applied to Science students.

(5) DEAN'S BUSINESS

- Undergraduate Teaching & Research

Discussion: Committee of the Whole (15 minutes)

- 405.1** Associate Dean Burns took over the chair of the Committee of the Whole at 3:20 p.m.
- 405.2** Associate Dean Burns said that it was the responsibility of Science professors to teach the scientific method to undergraduate students. It was often difficult for professors to find the correct balance between research and teaching, but Associate Dean Burns said it was his experience that undergraduates were interested in the research carried out by professors. He said that there was a real intertwining between the research and the teaching of professors. He said that the Committee of the Whole would enable members to comment on how best to integrate teaching and research.
- 405.3** Members touched on a number of points, including:
- what is, or should be, the nature of the B.Sc. degree?
 - the relationship between undergraduate teaching and research for an individual professor
 - the need to have good researchers teaching in order to communicate to students a love of research; counterbalancing this, the need to have good teachers in order to interest and excite students
 - the ideal of showing students via teaching how the knowledge base blends into research
 - the fact that an exclusive focus on research can lead to insularity, and that stimulation and broadening is gained by interaction with students
 - the caution that professors should not detract from general concepts by an excessive focus on specific tools, which may change
 - the desirability of undergraduates having a realistic knowledge of what research entails before undertaking graduate studies.
- 405.4** Associate Dean Burns said that members were welcome to send him additional comments.
- 405.5** Dean Grant resumed the chair of the meeting at 3:35 p.m.

(5) **MEMBERS' QUESTION PERIOD**

There were no members' questions.

(6) **REPORT ON ACTIONS OF SENATE**

Please note that the entire Minutes of Senate are available on the Web at [Shttp://www](http://www)