

Minutes of a meeting of the APPC Subcommittee on Courses and Teaching Programs (SCTP) held **Thursday, March 14, 2002** at 3:00 p.m. in Room 615 of the James Administration Building.

PRESENT: Jim Brawer, Martha Crago (Chair), Michelle Dean, Sam Drury, Jane Everett, William Hendershot, Charlotte Légaré, Joan Russell, Cindy Smith (Secretary)

REGRETS: Alison Thorne

GUESTS: Associate Dean Mary Maguire, Faculty of Education
 Professeur Michel Laurier, Université de Montréal
 Professor Jean Barrette, Department of Physics
 Professor Charles Gale, Department of Physics
 Professor Fritz Buchinger, Department of Physics
 Professor Marcia Beaulieu, School of Nursing

09.01 The Agenda was approved as circulated.

09.02 The Minutes of the meeting of February 28, 2002 were approved with the following correction:

- Item 08.04, Faculty of Science, page 1, course 183-202A Statistics & Spatial Analysis – Professor Drury clarified his comment by stating that the Department of Mathematics and Statistics did not have a spatial statistics courses, but if it did it would be at a higher level than 200.

09.03 **BUSINESS ARISING**

- (a) Report from the Faculty of Management [01-SCTP-10-02 REVISED]
 274-451A,B Fixed Income Analysis (3 cr.)
 New course approved

Secretary's note: The revisions/additional information requested by SCTP were received for the following previously-submitted proposals, reviewed by the Chair, and approved on behalf of SCTP.

Faculty of Arts

- revised program **B.A.; Major Concentration in Italian Studies** (36 cr.) [01-SCTP-11-12 REVISED; February 14, 2002] – Department revised Group A of Complementary Courses to indicate “6-12 credits chosen ...” with the following stipulations added: “• Students with no knowledge of the Italian language must take 12 credits; • Students arriving with some knowledge of the language may take 6 credits (ITAL 210 D1,D2 or ITAL 215 D1, D2); • Students arriving with competency in the language may substitute courses from Groups B, C, and D for basic language courses; • All students with some background must consult with the Department for proper placement”; courses to be chosen from Groups B and C was revised to read: “18-30 credits ...”.

09.04 **FACULTY OF SCIENCE – 01-SCTP-03-35**

Department of Physics

B.Sc.; Joint Honours in Physics and Chemistry (80 cr.)

This new program consisted of 68 credits of Required Courses and 12 credits of Complementary Courses. This program is aimed at, but not exclusively, students with a theoretical bias who are interested in working in fields of

study at the crossroads of physical chemistry and physics. It would prepare students for either theoretical or experimental graduate work in departments where there is an emphasis on such cross-disciplinary areas as condensed matter physics, chemical physics, or material science.

Professors Barrette, Gale, and Buchinger joined the meeting to respond to SCTP's original concerns from the first submission of this proposal [October 19, 2000]. Dr. Crago noted that the program course list now included the credit weight for each course and the U1 winter term did not appear to be such a heavy load. Professor Barrette commented that there was also a Joint Honours in Mathematics and Physics offered by the Faculty of Science, which was just as intense and very popular. In response to a query by Dr. Crago, Professor Buchinger indicated that students who were unable to complete this intensive program would be able to go in to the Major in Physics.

New program approved by SCTP and it will be reported to APPC for approval

Department of Anatomy and Cell Biology
B.Sc.; Major in Anatomy and Cell Biology (69 cr.)

Program revisions:

- Required Course 177-301A,B increased in credit weight from 3 to 4 credits
- Required Courses credit weight increased from 59 to 60 credits
- program credit weight increased from 68 to 69 credits

Program revisions approved by SCTP and they will be reported to APPC for information only

B.Sc.; Honours in Anatomy and Cell Biology (81 cr.)

Program revisions:

- Required Course 177-301A,B increased in credit weight from 3 to 4 credits
- Required Courses credit weight increased from 77 to 78 credits
- program credit weight increased from 80 to 81 credits

Program revisions approved by SCTP and they will be reported to APPC for information only

09.05 FACULTY OF ENGINEERING – 01-SCTP-03-36

School of Architecture

B.Sc.(Arch.) (95 cr.)

Program revisions:

- Required Course 303-229A deleted from program
- program credit weight reduced from 97 to 95 credits

Revised program approved by SCTP and it will be reported to APPC for information only

Department of Civil Engineering and Applied Mechanics

M.Eng. in Civil Engineering (45 cr.)

Program revision:

- 600-level coursework sentence revised to read: “Both programs normally require that coursework credits be earned at the 500 and 600 levels. However, at least two courses must be taken at the 600 level ...”

SCTP requested:

- two separate proposal forms, as this program revision was submitted on the same proposal form as the M.Eng. in Civil Engineering; Project
- the sentence concerning the 600-level coursework should be revised to reflect only one program
- revised program proposal and side-by-side comparison [containing all appropriate signatures] should be submitted to SCTP [quoting document number 01-SCTP-03-36 REVISED] for expedited approval by SCTP Chair

M.Eng. in Civil Engineering; Project (45 cr.)

Program revisions:

- 600-level coursework sentence revised to read: “Both programs normally require that coursework credits be earned at the 500 and 600 levels. However, at least two courses must be taken at the 600 level ...”

SCTP requested:

- two separate proposal forms, as this program revision was submitted on the same proposal form as the M.Eng. in Civil Engineering
- the sentence concerning the 600-level coursework should be revised to reflect only one program
- revised program proposal and side-by-side comparison [containing all appropriate signatures] should be submitted to SCTP [quoting document number 01-SCTP-03-36 REVISED] for expedited approval by SCTP Chair

303-326B Fluids & Hydraulics Laboratory (1 cr.)

SCTP's suggested change:

- revise description so that it reads: "Laboratory ... hydraulics"

New course approved with this change

Department of Mechanical Engineering

305-661 Finite Element in CFD (4 cr.)

New course approved

09.06 **FACULTY OF RELIGIOUS STUDIES** – 01-SCTP-03-37

Note: Administering Faculty for graduate programs should be indicated as Faculty of Graduate Studies and Research.

Ph.D. in Religious Studies (0 cr.)

Program revision:

- language requirements paragraphs revised to read: "The Faculty of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Coptic, Sanskrit, Pali, Tamil and classical literary Tibetan. The Faculty does not guarantee instruction in any languages other than those mentioned above. Therefore, if a student wishes to have a language such as French, German or Japanese counted as a second language, instruction may have to be sought outside the Faculty. The successful completion of at least twelve credits at the post-secondary level in a language course or successful completion of a language examination administered by the appropriate member of the Faculty, will constitute evidence of the student's having the required reading knowledge of the language in question."

Ph.D. – Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research or classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor."

Revised program approved and it will be reported to APPC and FGSR for information only

M.A. in Religious Studies (48 cr.)

Program revision:

- language requirements paragraphs revised to read: "The Faculty of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Coptic, Sanskrit, Pali, Tamil and classical literary Tibetan. The Faculty does not guarantee instruction in any languages other than those mentioned above. Therefore, if a student wishes to have a language such as French, German or Japanese counted as a second language, instruction may have to be sought outside the Faculty. The successful completion of at least twelve credits at the post-secondary level in a language course or successful completion of a language examination administered by the appropriate member of the Faculty, will constitute evidence of the student's having the required reading knowledge of the language in question."

M.A. – Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student’s area of research, or a classical language relevant to the student’s area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.”

Revised program approved and it will be reported to APPC and FGSR for information only

M.A. in Religious Studies; Non-Thesis (45 cr.)

Program revision:

- language requirements paragraphs revised to read: “The Faculty of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Coptic, Sanskrit, Pali, Tamil and classical literary Tibetan. The Faculty does not guarantee instruction in any languages other than those mentioned above. Therefore, if a student wishes to have a language such as French, German or Japanese counted as a second language, instruction may have to be sought outside the Faculty. The successful completion of at least twelve credits at the post-secondary level in a language course or successful completion of a language examination administered by the appropriate member of the Faculty, will constitute evidence of the student’s having the required reading knowledge of the language in question.”

M.A. – Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student’s area of research, or a classical language relevant to the student’s area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.”

Revised program approved and it will be reported to APPC and FGSR for information only

S.T.M [Master of Sacred Theology] (48 cr.)

Program revision:

- language requirements paragraphs revised to read: “The S.T.M. program has no language requirement.”
- Revised program approved and it will be reported to APPC and FGSR for information only

SCTP requested:

- program revision for the M.A. in Religious Studies; Bioethics, be submitted to SCTP [containing all signatures], as this proposal was omitted from the report

09.07 **FACULTY OF MANAGEMENT – 01-SCTP-02-33**

270-395A,B European Economy & Business (3 cr.)

New course approved

270-493 Global Econ Competitiveness (3 cr.)

New course approved

271-486A,B Business Taxation 2 (3 cr.)

Secretary’s note: as per Kate Maguire, title changed from originally proposed title “Taxation 2”, as that title already existed for course 271-683.

New course approved

09.08 FACULTY OF EDUCATION – 01-SCTP-03-39

Department of Integrated Studies in Education

B.Ed.; Joint-Inter Program in Français langue seconde [with Université de Montréal] (120 cr.)

New program consisted of 56 credits of Required Courses, 61 credits of Complementary Courses, and 3 credits of Elective Courses.

Professors Maguire and Laurier joined the meeting to discuss this proposal. This new program will provide initial teacher training in teaching French as a second language, at both the elementary and secondary levels, to students with a CEGEP-level diploma. This new Joint-Inter Program has been adjusted to new guidelines established by the Ministry of Education, and has been initiated to share the joint resources and expertise that exists

at the two universities. As a result of this program's potential, McGill's existing B.Ed.; Teaching French as a Second Language was not renewed by the Comité d'agrément des programmes de formation à l'enseignement (CAPFE). Dean Ghosh (McGill University) and Dean Gisèle Painchaud (Université de Montréal) signed an agreement to develop this joint program, which will entail fall-term courses being offered at the Université de Montréal and the winter-term courses being offered at McGill. All courses exist at either university, with McGill having created equivalent courses to those offered by the Université de Montréal, which will enable McGill students to register for courses offered at the Université de Montréal. The Université de Montréal has approved this Joint-Inter Program. Professor Maguire noted that this program will need to be submitted to the MEQ for approval after final approval from McGill's Senate.

Professor Everett noted that some of the courses listed from McGill's Department of French Language and Literature were capped, some were taught in the fall semester, some courses required placement tests, and some were taught in rotation. Professor Maguire responded that these issues with the courses are being resolved with the

Chair of the Department of French Language and Literature.

In response to a query from Professor Maguire, Dr. Crago suggested that Professor Maguire contact Associate Vice-Principal (Academic) Nick de Takacsy to arrange a meeting with Robin Geller (ARR) to discuss admission protocols.

New program approved and it will be reported to APPC for discussion

EDSL 260 Séminaire professionnel-2^e (1 cr.)

New course approved

EDSL 262 Système éducatif-professionnel (3 cr.)

SCTP requested:

- elongated version of abbreviated words in title
 - add to restriction "Not open to students who have taken McGill course EDEM 405", as indicated in Rationale
- New course approved with this change; SCTP Secretary will make change to course proposal form

EDSL 263 Apprentissage et développement (3 cr.)

New course approved

EDSL 264 Phonétique et phonologie (3 cr.)

New course approved

EDSL 265 Acquisition-apprentissage-L2 (3 cr.)

- add to restriction "Not open to students who have taken McGill course EDSL 305", as indicated in Rationale

New course approved with change; SCTP Secretary will make change to course proposal form

EDSL 266 Mathématiques au primaire (3 cr.)

New course approved

EDSL 267 Did des arts plastiques 1 (3 cr.)

New course approved

EDSL 268 Intégration des TIC (3 cr.)

New course approved

EDSL 269 École et environnement social (3 cr.)

New course approved

EDSL 270 Morphologie et syntaxe (3 cr.)

New course approved

EDSL 301 Étude de la langue (3 cr.)

Course revisions:

- title
- prerequisite
- term change from A to B
- description

Revised course approved

EDSL 319 Séminaire professionnel-3^e (1 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- credit weight decreased from 3 cr.
- description

SCTP's suggested change:

- revise description (to differentiate description from EDSL 394) to read: "Séminaire sur la réflexive ... secondaire"

Revised course approved with this change; SCTP Secretary will make the change on proposal

EDSL 341 Littérature jeunesse en FLS (3 cr.)

Course revisions:

- title
- description

Revised course approved

EDSL 345 Enseignement du FLS-immersion (3 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- term

Revised course approved

EDSL 391 Did du français en accueil 1 (3 cr.)

New course approved

EDSL 392 Gestion de classe en L2 (3 cr.)
New course approved

EDSL 393 Adolescent et expérience scol (3 cr.)
New course approved

EDSL 394 Séminaire de stage-3^e (1 cr.)
New course approved

EDSL 402 Évaluation en FLS (3 cr.)

Course revisions:

- title
- prerequisite
- description

Revised course approved

EDSL 419 Séminaire professionnel-4^e (2 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- credit weight decreased from 3 cr.
- description

Revised course approved

EDSL 444 Lab d'enseignement en FLS (3 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- term
- description

Revised course approved

EDSL 472 Enseignement du FLS-secondaire (3 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- term
- description

Revised course approved

EDSL 491 Did des mathématiques en L2 (3 cr.)

New course approved

EDSL 492 Did des sciences-technologies (3 cr.)

New course approved

EDSL 493 Sciences humaines au primaire (3 cr.)

New course approved

EDSL 494 Did de l'univers social-TIC (3 cr.)
New course approved

EDSL 495 Rech-résolution de problèmes (3 cr.)
New course approved

EDSL 496 Lab de formation prof (3 cr.)
New course approved

EDSL 497 Probl en éducation préscol (3 cr.)
New course approved

EDSL 498 Did du français en accueil 2 (3 cr.)
New course approved

EDSL 499 Séminaire de stage-4^e (2 cr.)
New course approved

EDFE 259 Stage d'assistant (3 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- credit weight increased from 2 cr.
- term
- description

Revised course approved

EDFE 260 Stage de familiarisation (1 cr.)

Course revisions:

- title
- restriction
- credit weight decreased from 2 cr.
- description

Revised course approved

EDFE 359 Stage d'enseignement en FLS (7 cr.)

Course revisions:

- title
- prerequisite
- corequisite
- credit weight decreased from 8 cr.
- description

Revised course approved

EDFE 361 Stage d'enseignement 1 (7 cr.)

New course approved

EDFE 459 Stage d'enseignement-immersion (9 cr.)

Course revisions:

- title
- prerequisite

- corequisite
- credit weight increased from 7 cr.; *Secretary's note:* proposal incorrectly indicated existing course as 8 cr.
- description

Revised course approved

EDFE 460 Stage d'enseignement 2 (9 cr.)

New course approved

FREN 433 Semantique et lexicologie (3 cr.)

New course proposal withdrawn, as this course already exists in the Department of French Language and Literature, Faculty of Arts.

09.09 FACULTY OF MEDICINE – 01-SCTP-03-40

School of Nursing

B.N.; Integrated Nursing (64 cr.)

Professor Beaulieu joined the meeting to discuss this new option of the existing B.N. Currently, students take 3 years of CEGEP (to obtain a DEC) and 3 years of university (to obtain a bachelor's degree). This new option is in response to the provincial government's directive to develop an integrated 5-year nursing program (specifically 3 years of CEGEP and 2 years of university). This is an opportunity for the School of Nursing to participate in a province-wide initiative to improve basic nursing education while preparing nurses for the workforce in a more-timely manner. It also provides the McGill program with an opportunity to boost stagnant enrolment. Professor Beaulieu commented that students can go to Ottawa and receive a B.N. within 2 years, which means that Quebec universities (whose programs are 3 years) were missing out on potential students. In response to Professor Crago's query concerning the proposals for new course 572-XXX and 180-AAA, Professor Beaulieu indicated that Professor Farrell will be preparing the 180-AAA course (to be submitted by the Faculty of Science). It was suggested that Dr. Zorychta and Dr. Farrell be asked by the School to develop course proposals immediately. The proposal for 572-XXX may be submitted with a general outline of the course that can be adjusted through a course revision proposal, if necessary, when the course instructor is hired.

Dr. Crago noted that there was no specification concerning admissions. This issue should go before the University Admissions Committee (UAC Secretary e-mail: kalyna.kruczowyj@mcgill.ca).

SCTP requested:

- financial write-off should be obtain from Mr. Réal Del Degan, Office of the Principal and the Provost; Dr. Beaulieu indicated that the Director of the School, Dr. French, will be contacting Mr. Del Degan for this write-off; forward Mr. Del Degan's write-off to SCTP Secretary, quoting document number 01-SCTP-03-40
- New program option approved pending receipt of an acceptable financial write-off from Mr. Del Degan

572-219A Transition to the McGill Model (1 cr.)

SCTP's suggested change:

- revise description to read: "This course introduces students to the McGill Model of Nursing"
- New course approved with this change; SCTP Secretary will make change to proposal

572-239A Health & Physical Assessment 2 (2 cr.)

SCTP's suggested change:

- revise description to read: "An integrated approach to ... triage"
- New course approved with this change; SCTP Secretary will make change to proposal

572-319 Stress and Illness Management (3 cr.)

SCTP's suggested change:

- revise description to read: "The psychological ... acute illness. The interrelationship ... resources in determining health outcomes"

New course approved with this change; SCTP Secretary will make change to proposal

School of Physical and Occupational Therapy

Dr. Crago explained that in June 2001 SCTP approved the M.Sc.(Applied); Rehabilitation Science; Distance Education, but as the M.Sc.(Applied) program should be reserved for professional master level entry programs, the

Faculty of Graduate Studies and Research suggested that two new options of the M.Sc. in Rehabilitation Science be proposed: one Non-Thesis Option and one Non-Thesis – Distance Education Option. This committee will be seeing the other program proposals in the near future.

M.Sc. in Rehabilitation Science; Non-Thesis (45 cr.)

New option consisted of 9 credits of Required Courses, 36 credits of Complementary Courses.

SCTP's suggested changes:

- on proposal form: 6.5 – remove Name of Program, as it is not correct; 6.8 – revise descriptive paragraph to read: “We have been asked to present an M.Sc. Non-Thesis Option both as a campus version and an on-line version of the program. This document presents the campus-based non-thesis version of our master’s program. The format of this new option will resemble the content of the M.Sc.(Applied).”
- revise New Program descriptive paragraph to read: “This is not a new program but a new option of an existing M.Sc. program. Our current M.Sc.(Applied) will serve as a template for the M.Sc. non-thesis option in order to retain the title of M.Sc.(Applied) for our proposed professional credentialing program in physical and occupational therapy. The M.Sc. non-thesis option will be offered in a campus version and an on-line version. The campus version will offer two options; one that includes a 15-credit research project and one that comprises 45 credits of course work.”
- revise M.Sc. (non-thesis – on-line option) column in side-by-side comparison to read: “Complementary courses B: 5 additional courses from list of Complementary Courses A or outside of McGill”
- revise Rationale to read: “Graduate ... degree in either physical or occupational therapy. We are presenting an ... In order ... we are using the existing M.Sc.(Applied) program as a template.”
- revise Admission requirements to read: “4. ... by a project supervisor from amongst the School’s academic staff”; “5. ... with a minimum of 550 (paper-based score) or 213 (computer-based score).”
- revise Requires teaching, physical and financial resources not currently available sentence to read: “The new non-thesis option offered on campus will not require additional resources.”

SCTP requested:

- submit revised proposal to SCTP, quoting document number 01-SCTP-03-40 REVISED
- New program option approved with these changes and it will be reported to FGSR for approval

M.Sc. in Rehabilitation Science; Non-Thesis – On-Line (45 cr.)

New option consisted of 9 credits of Required Courses, 36 credits of Complementary Courses.

SCTP's suggested changes:

- on proposal form: 6.5 – remove Name of Program, as it is not correct; 6.8 – revise descriptive paragraph to read: “The ... been asked to present an M.Sc. Non-Thesis Option both as a campus version and an on-line version of the program ... master’s program. The format of this new option will resemble the content of the M.Sc.(Applied).”
- revise New Program descriptive paragraph to read: “This is not a new program but an option of an existing M.Sc. program. Our current M.Sc.(Applied) will serve as a template for the M.Sc. non-thesis – on-line option in order to retain the title of M.Sc.(Applied) for our proposed professional credentialing program in physical and occupational therapy ...”
- revise M.Sc. (non-thesis – on-line option) column in side-by-side comparison to read: “Complementary courses B: 5 additional courses from list of Complementary Courses A or outside of McGill”
- revise Rationale to read: “Graduate ... degree in either physical or occupational therapy. We are presenting an M.Sc. ...”
- indicate credit weight for courses listed under “Time-line of on-line course development”
- delete under Admission requirements item 4 as it is true for on campus option
- revise Admission requirements to read: “5. ... with a minimum of 550 (paper-based score) or 213 (computer-based score).”

- complete paragraph under admission requirements as it ends mid-sentence
- revise second sentence under Time to completion to read: “Students ... expected to be registered part-time ...”
- revise fifth sentence under Requires teaching, physical and financial resources not currently available to read: “Resources will ... by the Centre for Continuing ...”

SCTP requested:

- submit proposals for other on-line courses (as listed in side-by-side comparison: 582-670 to 582-690) in the School of Physical and Occupational Therapy, as they do not currently exist
- submit a list of which courses will be offered by McGill until the new courses (582-670 to 582-690) are ready; justify why courses offered by Occupational Health are appropriate substitutes for courses more directly related to Physical and Occupational Therapy
- list on the side-by-side comparison exactly which courses at which universities other than McGill will serve as list of Complementary Courses B
- provide verification that other universities will allow McGill students to take their on-line courses (example, will John Hopkins accept all students?)
- identify the cost to the student of the non-McGill courses
- justify why the content of the non-McGill courses have appropriate content for a degree in Physical and Occupational Therapy
- SCTP noted that at this time McGill only credits graduate courses from the University of Toronto, University of British Columbia, and IUT courses
- submit revised proposal to SCTP, quoting document number 01-SCTP-03-40 REVISED

SCTP can not approve this new option at this time without the existence of the other on-line courses

Department of Human Genetics

521-691A,B Host Responses to Pathogens (3 cr.)

SCTP’s suggested change:

- revise description to read: “Introduction to ... populations”

New course approved with this change; SCTP Secretary will make change to proposal

09.10 **OTHER BUSINESS**

Minor Changes

The secretary reported the following minor changes from the Faculties of Engineering, Music, and Science, which were approved. These minor changes will be reported to APPC (and FGSR, if graduate level) for information only.

Faculty of Engineering

Department of Electrical and Computer Engineering

NOTES: Arabic numerals are to be used in course titles instead of Roman numerals; Administering Faculty for 600- and 700-level courses should be indicated as Faculty of Graduate Studies and Research.

B.Eng.; Faculty Program in Computer Engineering (110 cr.)

Program revisions:

- course 304-435 added to list of Lab Complementaries
- descriptive sentence in Lab Complementaries revised to read: “(two ... eight courses)”
- course 308-435 deleted from list of Technical Complementaries
- course 308-535 added to list of Technical Complementaries;

304-536A FR Microelectronics (3 cr.) – prerequisite;

304-571B Optoelectronic Devices (3 cr.) – prerequisite and corequisite;

304-615B Digital Signal Processing 2 (4 cr.) – prerequisite;

Department of Mechanical Engineering

305-309B Numerical Methods in Mech Eng (3 cr.) – number (from 305-409);
305-343A Energy Conversion (3 cr.) – retirement;
305-409B Numerical Methods in Mech Eng (3 cr.) – retirement;
305-412A,B Dynamics of Systems (3 cr.) – prerequisite;

305-472A Case Studies in Project Mgmt (3 cr.) – retirement;
305-525B Intro to Nuclear Engineering (3 cr.) – retirement;
305-536A Friction, Lubrication & Wear (3 cr.) – retirement;
305-562A Advanced Fluid Mechanics (3 cr.) – prerequisite;
305-612A,B Viscous-Flow & Boundary Layer (4 cr.) – retirement;
305-624A Applied Process Control (4 cr.) – retirement;
305-625A Synthesis of Mechanisms (4 cr.) – retirement;
305-636C Mech Reliability & Maintainability (4 cr.) – retirement;
305-651B Design Heat Trans Equip (4 cr.) – retirement;
305-655A,B Advanced Thermodynamics (4 cr.) – retirement;
305-722A,B Sel Topics: Machining Processes (4 cr.) – retirement;
305-734A Micromechanics of Solid 1 (4 cr.) – retirement;
305-735B Micromechanics 2 (4 cr.)- retirement;
305-745A Adv Dynamics of Eng Systems (4 cr.) – retirement.

Department of Civil Engineering and Applied Mechanics
303-225B Environmental Engineering (4 cr.) – description;
303-229A Surveying for Architects (2 cr.) – retirement;
303-577A River Engineering (3 cr.) – prerequisite and corequisite.

Faculty of Music

Department of Performance

MUPG 658 D1, D2 Opera Performance Exam 2 (6 cr.) – description.

Department of Theory

B.Sc.; Minor in Music for Science Students (24 cr.)

Program revision:

- program retirement; *Rationale:* B.A.; Minor Concentration in Music is available to B.Sc. students.

Faculty of Science

School of Computer Science

B.Sc.; Major in Computer Science (60 cr.)

Program revisions:

- courses 189-242, 189-243, 189-255, and “any 300 level or above mathematics course, (excluding 189-338 ..., 189-323, ... 189-340 ...)” added to list of Complementary Courses;

B.Sc.; Honours in Computer Science (72 cr.)

Program revisions:

- courses 189-242, 189-243, 189-255, and “any 300 level or above mathematics course, (excluding 189-338 ..., 189-323, ... 189-340 ...)” added to list of Complementary Courses;

308-426A Automated Reasoning (3 cr.) – restriction;

Department of Philosophy – NOTE: Arabic numerals to be used in course titles, not Roman numerals.

B.Sc.; Minor in Cognitive Science (27 cr.)

Program revisions:

- changes made to Complementary Courses lists: course COMP 558 added to Computer Science course set; changes made to courses in Linguistic course set – LING 355 (renumbered from 321), LING 331 (renumbered from 351), LING 371 (renumbered from 360), LING 419 (renumbered from 491), LING

440 (title), LING 531 (renumbered from 530); and course PHIL 304 added to set of Philosophy courses.

The meeting ended at 5:15 pm.