

REPORT OF THE SENATE COMMITTEE ON ACADEMIC POLICY AND AWARDS

(SCAPA)

Faculty of Science and Schulich School of Medicine & Dentistry: Honors Specialization, Major and Minor in Medical Cell Biology

Faculties of Science and Education: Motion for Withdrawal of the Five-Year BSc Honors Mathematical Sciences and Bachelor in Education (S.08-37b)

Faculty of Arts and Humanities: Renaming the Minor in Spanish as the Minor in Spanish Studies

Policy on Course Outlines

English as a Second Language Program at Fanshawe in Lieu of Senate-Approved English Language Proficiency Tests

Articulation Agreements: UWO with Lambton College, UWO with Fanshawe College

Dual Degree B.Tech /M.E.Sc. Program offered by the Indian Institute of Technology Roorkee, Roorkee, Uttaranchal, India and The University of Western Ontario

Dual Degree B.E./M.E.Sc. Program offered by Thapar University, Patiala Punjab, India and The University of Western Ontario

New Scholarships, Awards and Bursaries

Degree Diploma Wording for Graduate Student Diplomas

Annual Report of the Subcommittee on Undergraduate Program Review (SUUPR) 2007-2008

FOR APPROVAL

1. **Faculty of Science and Schulich School of Medicine & Dentistry: Honors Specialization, Major and Minor in Medical Cell Biology**
- 1a Honors Specialization in Medical Cell Biology

Recommended: That effective September 1, 2009, an Honors Specialization in Medical Cell Biology, offered jointly by the Faculty of Science and the Schulich School of Medicine & Dentistry, be introduced, to be completed only within a BMSc (Honors) degree.

NEW CALENDAR COPY

HONORS SPECIALIZATION IN MEDICAL CELL BIOLOGY

Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to enter or progress in this module will be offered enrolment.

Admission Requirements

Completion of first-year requirements with no failures. Students must have an average of at least 70% on the following 3.0 principal courses, with no mark in these principal courses below 65%.

1.0 course from: Biology 1222, 1223

1.0 course: Chemistry 1050 or the former Chemistry 020 or 023

1.0 course from: Applied Mathematics 1413 (or the former Mathematics 030), Calculus 1000A/B, 1100A/B, 1201A/B, 1301A/B, 1501A/B, Linear Algebra 1600A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, Statistical Sciences 1024A/B

1.0 course from: Physics 1020, 1024, 1028A/B and 1029A/B, the former Physics 022 or 025, must be completed by the end of second year, with a minimum mark of 65%.

Module

11.0 courses:

0.5 course: Biochemistry 2280A

1.0 course from: Chemistry 2213A/B and 2223B, or Chemistry 2273A and 2283G

0.5 course from: Biology 2244A/B, Statistical Science 2122A/B

1.5 courses: Biology 2290F/G, 2382B, 2581B

1.0 course: Anatomy and Cell Biology 3309

1.0 course from: Anatomy and Cell Biology 3319, Physiology 3120

1.0 course: Biochemistry 3381A and 3382B

0.5 course: Biology 3316A

0.5 course from: Biochemistry 3380G, Biology 3326F/G

1.5 courses: Anatomy and Cell Biology 4410A, 4411B, 4429A

0.5 course from: Anatomy and Cell Biology 4451A, 4461B

1.5 courses: Anatomy and Cell Biology 4480E (Research Project = 1.5 courses)

Notes:

1. Enrolment in Biochemistry 3381A requires a minimum mark of 65% in Biochemistry 2280A; and a minimum mark of 65% in each of Chemistry 2213A/B and 2223B, or a minimum mark of 60% in each of Chemistry 2273A and 2283G.

2. Enrolment in Biology 3326F/G requires a minimum mark of 70% in Biology 2382B.

3. Enrolment in Anatomy and Cell Biology 4429A and 4410A requires a minimum mark of 70% in Biology 3316A.

4. Enrolment in Anatomy and Cell Biology 4451A requires either Physiology 3120 or 3140A as a prerequisite.

5. Enrolment in Anatomy and Cell Biology 4461B requires either Anatomy and Cell Biology 3309 or Pathology 3240A as a prerequisite.

6. Enrolment in Anatomy and Cell Biology 4480E is limited and requires a minimum mark of 70% in each of Biochemistry 3381A and 3382B, and in either Biochemistry 3380G or Biology 3326F/G.

Background:

The Department of Anatomy and Cell Biology is proposing that four new 4000-level courses in Anatomy and Cell Biology be introduced, effective September 1, 2009: Anatomy and Cell Biology 4410A: Discovery-Based Cell Biology I; 4411B: Discovery-Based Cell Biology II; 4451A: Integrative Neuroscience; and, 4461B: Translational Models of Cancer. The following course descriptions have been submitted to DAP.

Anatomy and Cell Biology 4410A: Discovery-Based Cell Biology I

This course focuses on advanced cell biological principles and the research pathways that lead to new discoveries in protein trafficking diseases, cytoskeletal regulation and cancer cell biology. Students will also be trained in effective verbal and written scientific presentations.

Prerequisite(s): Biology 3316A with a minimum mark of 70%.

1 lecture hour, 2 lecture/tutorial hours, 0.5 course

Anatomy and Cell Biology 4411B: Discovery-Based Cell Biology II

This course focuses on cell specialization, stem cells, cloning and the cell biology of aging. Students will examine the controversial social/ethical parameters that guide bench-to-bedside experimentation and clinical translation. Students will also be trained in effective verbal and written scientific presentations.

Prerequisite(s): Anatomy and Cell Biology 4410A

1 lecture hour, 2 lecture/tutorial hours, 0.5 course

Anatomy and Cell Biology 4451A: Integrative Neuroscience

This course focuses on the link between cellular/molecular mechanisms in the brain and behaviour. Topics include fundamental brain functions such as learning and memory, circadian rhythms and sleep, sexual behavior, motivation and reward, addiction, fear and anxiety, pain, stress, and the neurobiology of neurological and neuropsychiatric disorders.

Prerequisite(s): Physiology 3120 or 3140A

2 lecture hours, 2 tutorial hours, 0.5 course

Anatomy and Cell Biology 4461B: Translational Models of Cancer

This course introduces main cancer types in terms of histology, prognosis, biomarkers, imaging, and sites of metastasis. The role of translational research models in the development of disease-specific diagnostic tools and treatment modalities will be emphasized

Prerequisite(s): Anatomy and Cell Biology 3309 or Pathology 3240A

1 lecture hour, 2 lecture/tutorial hours per week, 0.5 course

The introduction of these 4000-level courses, particularly 4410A and 4411B, has made it plausible for the Department of Anatomy and Cell Biology to propose the introduction of an Honors Specialization in addition to the Honors Specialization in Biochemistry and Cell Biology, which currently is offered in cooperation with the Department of Biochemistry. Students registered in either Honors Specialization will require essentially the same selection of courses until the end of Year 3, and thus will gain important background in biochemistry and cell biology regardless of their module. In Year 4, students will have the option either to specialize in cell biology with a focus on biochemistry (Honors Specialization in Biochemistry and Cell Biology), or to specialize in cell biology with a focus on translational discovery related to the medical field (Honors Specialization in Medical Cell Biology). The title of the module, "Honors Specialization in Medical Cell Biology," is designed to reflect this choice of specialization in Year 4.

1b Major in Anatomy and Cell Biology to be Renamed Major in Medical Cell Biology

Recommended: That effective September 1, 2009, the Major in Anatomy and Cell Biology be renamed the Major in Medical Cell Biology, in the Faculty of Science and the Schulich School of Medicine & Dentistry.

REVISED CALENDAR COPY

MAJOR IN MEDICAL CELL BIOLOGY

A degree containing this module normally requires four years for completion.

Admission Requirements

Completion of first-year requirements, including the following 3.0 courses with a minimum mark of 60% in each:

1.0 course from: Biology 1222, 1223

1.0 course from: Chemistry 1050, or the former Chemistry 020 or 023

1.0 course from: Applied Mathematics 1413 (or the former Mathematics 030), Calculus 1000A/B, 1100A/B, 1201A/B, 1301A/B, 1501A/B, Linear Algebra 1600A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, Statistical Sciences 1024A/B

1.0 course from: Physics 1020, 1024, 1028A/B and 1029A/B, or the former Physics 022 or 025, must be completed by the end of second year, with a minimum mark of 60%.

Module

6.0 courses:

0.5 course: Biochemistry 2280A

0.5 course: Chemistry 2213A/B

0.5 course: Biology 2382B

0.5 course from: Biology 2290F/G, 2581B

0.5 course from: Biology 2244A/B, Statistical Sciences 2122A/B

0.5 course: Biology 3316A

1.0 course: Anatomy and Cell Biology 3309

1.0 course from: Anatomy and Cell Biology 3319, Physiology 3120

1.0 course from: Anatomy and Cell Biology 4410A, 4411B, 4429A (or the former Anatomy and Cell Biology 329b), 4451A, 4461B

Notes:

1. Enrolment in Anatomy and Cell Biology 4429A and 4410A requires a minimum mark of 70% in Biology 3316A.
2. Enrolment in Anatomy and Cell Biology 4411B requires Anatomy and Cell Biology 4410A as a prerequisite.
3. Enrolment in Anatomy and Cell Biology 4451A requires either Physiology 3120 or 3140A as a prerequisite.
4. Enrolment in Anatomy and Cell Biology 4461B requires either Anatomy and Cell Biology 3309 or Pathology 3240A as a prerequisite.

Background:

Revisions will be made to the module, including the following significant revisions: (i) the required number of 4000-level half courses in Anatomy and Cell Biology will be increased from one half course to two half courses, as a means of integrating the new 4000-level courses in Anatomy and Cell Biology into the Major, (ii) the requirement of one half course chosen from Biology 2471A/B, 2672A/B or Chemistry 2223B will be removed from the modular requirements to maintain the number of courses required in the module at a total of 6.0 courses, and (iii) Physiology 3120 will be allowed as an alternative to Anatomy and Cell Biology 3319.

The Department of Anatomy and Cell Biology is proposing that four new 4000-level courses in Anatomy and Cell Biology be introduced effective September 1, 2009 (as shown above). To integrate these new half courses into the Major, it is proposed that two 4000-level half courses in Anatomy and Cell Biology be made mandatory in the Major, increasing the number of 4000-level courses required from 0.5 to 1.0 course. To accommodate the addition of a half course at the 4000-level in the Major, it is proposed that the requirement of a half course chosen from Biology 2471A/B, 2672A/B or Chemistry 2223A/B be removed from the Major, these half courses being of lesser relevance to the study of medical cell biology.

The proposal to rename the module to a Major in Medical Cell Biology reflects the department's increased focus on cell biology as it relates to the medical field.

To correct an oversight made during the creation of the Major in Anatomy and Cell Biology, Biology 2382B will be listed as a required course rather than as a choice in a list of three half courses from which two must be chosen (Biology 2382B is a prerequisite for a mandatory modular course, Biology 3316A, and must be a mandatory course as well).

1c Minor in Anatomy and Cell Biology to be Renamed Minor in Medical Cell Biology

Recommended:

That effective September 1, 2009, the Minor in Anatomy and Cell Biology be renamed the Minor in Medical Cell Biology, in the Faculty of Science and the Schulich School of Medicine & Dentistry.

REVISED CALENDAR COPY

MINOR IN MEDICAL CELL BIOLOGY

A degree containing this module may require four years for completion.

Admission Requirements

Completion of first-year requirements, including Biology 1222 or 1223 and Chemistry 1050 or the former Chemistry 020 or 023, each with a mark of at least 60%.

Module

4.0 courses:

0.5 course: Biochemistry 2280A

0.5 course: Chemistry 2213A/B

0.5 course: Biology 2382B

0.5 course from: Biology 2290F/G, 2581B

2.0 courses from: Anatomy and Cell Biology 3309, 3319, 4410A, 4411B, 4429A (or the former Anatomy and Cell Biology 329b), 4451A, 4461B, Biology 3316A

Notes:

1. Enrolment in Anatomy and Cell Biology 4429A and 4410A requires a minimum mark of 70% in Biology 3316A.
2. Enrolment in Anatomy and Cell Biology 4411B requires Anatomy and Cell Biology 4410A as a prerequisite.
3. Enrolment in Anatomy and Cell Biology 4451A requires either Physiology 3120 or 3140A as a prerequisite.
4. Enrolment in Anatomy and Cell Biology 4461B requires either Anatomy and Cell Biology 3309 or Pathology 3240A as a prerequisite.

Background:

The following revisions will be made to the Minor: (i) four new 4000-level half courses in Anatomy and Cell Biology will be added to a list from which 2.0 courses must be chosen, (ii) the requirement of a half course chosen from Biology 2471A/B, 2581B or 2672A/B will be revised to a half course chosen from either Biology 2290F/G or 2581B

As noted above, the Department of Anatomy and Cell Biology is proposing that four new 4000-level courses in Anatomy and Cell Biology be introduced effective September 1, 2009: Anatomy and Cell Biology 4410A (Discovery-Based Cell Biology I), 4411B (Discovery-Based Cell Biology II), 4451A (Integrative Neuroscience), and 4461B (Translational Models of Cancer). It is proposed that these new 4000-level courses be choices within the Minor. It is also proposed that the option of selecting one half course from Biology 2471A/B (Vertebrate Biology), 2581B (Genetics) or 2672A/B (Comparative Animal Physiology), be replaced by the option of choosing one half course from either Biology 2581B (Genetics) or Biology 2290F/G (Scientific Method in Biology), as the genetics and scientific methods courses are more relevant to the study of medical cell biology. The proposal to rename the module to a Minor in Medical Cell Biology reflects the department's focus on cell biology as it relates to the medical field.

2. **Faculties of Science and Education: Motion for Withdrawal of the Five-Year BSc Honors Mathematical Sciences and Bachelor in Education (S.08-37b)**

Recommended:

That the motion to withdraw the Five-Year BSc Honors Mathematical Sciences and Bachelor in Education (S.08-37b) be rescinded and replaced by the following motion:

That effective April 30, 2008, admission to the Five-Year BSc Honors Mathematical Sciences and Bachelor in Education program be discontinued,

that students currently enrolled in the program prior to May 1, 2008 be permitted to continue with the understanding that they must complete the requirements prior to September 1, 2011, and,

that effective October 2011, the program be withdrawn and all registrations discontinued.

Background:

At its February meeting, Senate approved a motion, "That the Five-Year BSc Honors Mathematical Sciences and Bachelor in Education program be withdrawn, effective April 30, 2008." The recommendation was made since the program was to be reorganized and a Concurrent Mathematics and Education program to be introduced in its place (S.08-37a). However, no completion date for students already in the program was specified in that motion. This recommendation is being made to address this oversight.

3. **Faculty of Arts and Humanities: Renaming the Minor in Spanish as the Minor in Spanish Studies**

Recommended: That effective September 1, 2008, the Minor in Spanish be renamed the Minor in Spanish Studies and the content revised to read as shown below.

REVISED CALENDAR COPY

MINOR IN SPANISH STUDIES

Admission Requirements

Completion of first-year requirements, including Spanish 1030 or 1030W/X (or the former Spanish 002 or 002w/x) with a mark of at least 60% or permission of the Department. Those with Grade 12U Spanish will receive special permission to go directly into Spanish 2200 or 2200W/X.

Module

4.0 courses:

1.0 course (prerequisite for the rest of the module) from: Spanish 2200, 2200W/X, 2223

1.0 course from: Spanish 3300, 3301E

2.0 additional courses in Spanish at the 2000 level or above

Background:

The change of the Minor's content is meant to give students some choice in their course selection. The change in the title is meant to distinguish this general Minor from Modern Languages and Literature's Minor in Spanish Language and Linguistics. (Note: a proposal has been placed on DAP to renumber Spanish 2222E: Spanish for Native Speakers of Spanish, as 3301E, which will be an antirequisite to Spanish 3300: Advanced Spanish Language.)

4. **Policy on Course Outlines**

Recommended: That the Methods of Evaluation section of the Course Outline Policy be revised as shown below, effective September 1, 2008.

5. **Methods of Evaluation of Assignments**

A statement of the methods by which student performance will be evaluated and the weight of each assignment, including an exact timetable and schedule of assignments, **is required**. When exact dates cannot be supplied, a tentative ~~or rough~~ schedule must be issued, with an exact schedule to follow as soon as possible. This regulation does not preclude the administration of surprise assignments and quizzes, as long as the total number, approximate frequency, and value of such assignments are specified in the course outline. ~~A clear indication of how missed assignments will be dealt with must be provided.~~

Any course-specific conditions that are required to pass the course must be outlined. Conditions might include (i) minimum attendance at lectures, tutorials or laboratories, (ii) minimum overall grade on laboratory, tutorial or essay components of the methods of evaluation, or (iii) minimum required grades on a final exam, to name a few.

A clear indication of how non-medical absences from midterms, tutorials, laboratory experiments, or late essays or assignments, will be dealt with must be provided. The course outline must direct the student to the Policy on Accommodation for Medical Illness (<https://studentservices.uwo.ca/secure/index.cfm>). In addition, as indicated in the policy, instructors must state how they will be dealing with accommodation for medical illness of work worth less than 10% of the total course grade, and whether or not medical documentation for such accommodation will be required. If documentation is required for either medical or non-medical academic accommodation, then such documentation must be submitted by the student directly to the appropriate Faculty Dean's office and not to the instructor. It will be the Dean's office that will determine if accommodation is warranted.

Course instructors who wish to change the evaluation procedure shown in the course outline must receive prior approval to do so from the Dean of the faculty concerned.

Background:

These changes result from the Senate's approval of the Policy on Accommodations for Medical Illness - Undergraduate Students. The Course Outline Policy has been revised to outline more clearly for instructors how to deal with accommodation for medical illness for work worth less than 10% of the total course grade. The complete policy statement is at <http://www.uwo.ca/univsec/handbook/exam/crsout.pdf>.

5. **English as a Second Language Program at Fanshawe in Lieu of Senate-Approved English Language Proficiency Tests**

Recommended: That Senate approve that The University of Western Ontario accept the successful completion of Level Five of the Fanshawe English as a Second Language (ESL) program as demonstration of English language proficiency for admission to degree programs in lieu of Senate-approved English Language Proficiency tests such as TOEFL, MELAB and IELTS, and that the University enter into a Memorandum of Understanding with Fanshawe, as shown in **Appendix 1**, in this regard.

Background:

The University has reviewed the English as a Second Language program (ESL) at Fanshawe thoroughly over the past year. It has been determined that successful completion of Level 5 in this program will provide rigorous language preparation for international students who are admissible to Western academically, but who may not have been able to provide sufficient proof of language preparation for purposes of admission. The ESL program at Fanshawe is of very high quality and is regarded highly by experts in the field. As Western aspires to ensure diversity in its undergraduate class, and as Fanshawe College attracts a significant number of international students to its ESL program, it is in Western's best interest to facilitate through Fanshawe College the admission of academically qualified international students with proven English skills to the University.

6. **Articulation Agreements: UWO with Lambton College, UWO with Fanshawe College**

6a **Articulation Agreement between The University of Western Ontario and Lambton College: Transfer Credit for Students in Social Service Worker, Child and Youth Worker, and Early Childhood Education Programs**

Recommended: That Senate approve the Articulation Agreement between The University of Western Ontario and **Lambton College**, with regard to the transfer of applicants from the Social Service Worker, Child and Youth Worker, and Early Childhood Education programs, as shown in **Appendix 2**, effective June 1, 2008 for a period of three years.

6b Articulation Agreement between The University of Western Ontario and Fanshawe College: Transfer Credit for Students in Social Service Worker, Child and Youth Worker, and Early Childhood Education Programs

Recommended: That Senate approve the Articulation Agreement between The University of Western Ontario and **Fanshawe College**, with regard to the transfer of applicants from the Social Service Worker, Child and Youth Worker, and Early Childhood Education programs, as shown in **Appendix 3**, effective June 1, 2008 for a period of three years.

Background:

For the past several years Western and its Affiliated University Colleges have had an agreement and have been awarding transfer credit to graduates from Social Service Worker, Child and Youth Worker, and Early Childhood Education programs at both Fanshawe and Lambton Colleges. As previous agreements have expired and as curriculum, course titles and numbers have changed at both institutions, the agreements have been revised and require approval once again. A similar agreement between King's University College, and Fanshawe and Lambton Colleges, was approved by Senate at its January 18 meeting.

7. Dual Degree B.Tech /M.E.Sc. Program offered by the Indian Institute of Technology Roorkee, Roorkee, Uttaranchal, India and The University of Western Ontario

Recommended: That effective July 1, 2008, Senate approve a dual degree program leading to a Bachelor of Technology (BTech) from the Indian Institute of Technology Roorkee, Roorkee, Uttaranchal, India and an Master of Engineering Science (MESc) at The University of Western Ontario

Background:

1. This proposed program emanates from the "Memorandum of Understanding for International Research Collaboration" signed between University of Western Ontario (UWO) and Indian Institute of Technology Roorkee (IITR), in January 2005. Please see **Appendix 4**. The Indian Institutes of Technology are the top ranking engineering institutions of national importance in India. IIT Roorkee is one of the seven IITs. UWO is recognized as one of the top research intensive universities in Canada.
2. This program will enable select top-ranking students from IIT Roorkee to simultaneously obtain a Bachelor in Technology (B.Tech.) from IIT Roorkee and a Masters in Engineering Science (M.E.Sc.) degree from UWO.
3. The proposed dual degree program will initially apply for Electrical Engineering in the Power Systems Engineering research area (encompassing Power Electronics). It may be extended in future to other areas of specialization and in other faculties of Engineering also.
4. This dual degree program will be based on the pattern of the Accelerated MESc in Faculty of Engineering at UWO. This program will enable selected students to obtain their M.E.Sc. within one year of the completion of their undergraduate degree requirements from IIT Roorkee.
5. This program will lead not only to the top students from the IITR to gain rich academic experience from both IITR and UWO but will also lead to research collaboration between the faculty members at both these institutions, through these students.

Dual Degree Program

6. Every year about 250,000 grade 12 students appear in a highly competitive examination "Joint Entrance Examination (JEE)" for admission to the undergraduate engineering programs in the seven IITs. About 3000 students (1.2%) are selected which are divided into the seven IITs. Each IIT thus gets about 0.17% of the students appearing the JEE.

7. IIT Roorkee has recently instituted an Integrated Dual Degree (IDD) Programme in several disciplines. One of these IDD programs leads to the award of the following degrees for successful students at the completion of their fifth year
B.Tech.(Electrical Engg.) + M. Tech. (Power Electronics)

The approved Course Structure for all the 10 semesters of the IDD programme is attached as part of Appendix 4 as are the courses in FOURTH YEAR, organised as CORE COURSES and DEPARTMENTAL ELECTIVES. There are no courses in the FIFTH YEAR of this IDD program.

8. Students admitted under the IDD program at IITR may apply at the end of their their 5th semester (two-and –half years) for admission to the proposed dual degree program at UWO. The applications will be screened at IITR and subsequently forwarded to UWO. To be accepted into this dual degree program, applicants must have an average grade of 78% or higher (from their 2nd and 3rd years).
9. The selected students will be invited to UWO as visiting students in the summer term at the end of their 6th term to work on their MESc project under the supervision of a UWO faculty member. A corresponding faculty member will be identified at IITR who will cosupervise the student in the MESc research project at IITR after the student's return to IITR.
10. The selected students will be paid a stipend of CAD \$5000, to cover their international travel, stay, health insurance, etc. at UWO during their summer term stay in London. This amount may come from the research grant of the supervising Professor at UWO and may, though not necessarily, have a subsidy component from the Dean, Faculty of Engineering. The status of these students will be visiting/exchange students from Universities with whom UWO has MOUs.
11. Upon their return to IITR, the student will complete two half-course units worth of research project spread over the fourth year at IITR under the co-supervision of the pre-identified faculty member from IITR.
12. The student may complete at least one Masters level elective course at IITR. The courses shall be mutually agreed upon between IITR and UWO. The student will complete at least two half-courses at Western.
13. Overall the student must have an average of 78% in the third and fourth year at IITR to be eligible for scholarships at Western in the fifth year at UWO. The student must also meet the necessary English language proficiency requirements of UWO.
14. Immediately upon completion of the fourth year studies at IITR, the student will travel to UWO to complete the fifth year of studies.
15. The cost of travel, visa, etc. will be borne by the student. IITR may wish to provide some subsidy to the student for this purpose.
16. At this point the student will be considered as full time UWO student enjoying all scholarships, privileges and benefits, as an international UWO student may be eligible for. The fundable students (having an average of 78% and higher) will be eligible to receive a scholarship of \$ 23,000 per year. This will include Western Engineering Scholarship, Teaching Assistantship and Research Assistantship. The student will be required to pay regular international fee according to UWO norms.
17. The student will be required to complete at least two graduate courses at UWO in the fifth year. The total number of graduate courses needed for the MESc program at UWO are four.
18. UWO will agree to give credit for the Master's courses done by the student at IITR in the fourth year. In reciprocity, IITR will give credit for the Masters courses and the thesis research done by the student at UWO in the fifth year.

19. Any publications resulting from the M.E.Sc. thesis of the student may have co-authorship of faculty members from UWO and IITR based on their contribution to the research work.
20. The student will not pay any tuition fee to UWO during the summer term at the end of the third year at UWO.
21. Upon, successful completion of the fifth year program at UWO, the student will be awarded the M.E.Sc. degree in Electrical and Computer Engineering from UWO and simultaneously the B.Tech degree from IITR.
22. The dual degree program will admit up to 5 students every year in the Electrical and Computer Engineering program.
23. It is expected that in future this dual-degree program will be extended to other Departments as well.
24. The dual degree program may commence from the summer of 2008.

8. **Dual Degree B.E./M.E.Sc. Program offered by Thapar University, Patiala Punjab, India and The University of Western Ontario**

Recommended: That effective July 1, 2008, Senate approve a dual degree program leading to a Bachelor of Engineering (BE) from Thapar University, Patiala, Punjab, India and an Master of Engineering Science (MESc) at The University of Western Ontario.

Background:

Further to the research agreement effective since 4th day of June, 2007 which is signed between Thapar University, Patiala-147004, Punjab, India (TU), and The University of Western Ontario (UWO), c/o Research Development Services—International Research, Stevenson-Lawson Building, London, Ontario N6A 5B8, Canada, a dual degree program for Bachelor of Engineering at Thapar University, Patiala and Master of Science at University of Western Ontario is proposed. The objective of the agreement is to establish long-term education and research collaboration exchange programs in fields, which are compatible with the orientation of each university, and the proposed dual degree program emanates from this objective of the collaboration.

TU-UWO DUAL DEGREE PROGRAM

This proposal outlines a dual degree program in which undergraduate students at TU will earn a Bachelor's degree at TU and will have the opportunity to earn a Master's degree at UWO by linking TU undergraduate program with UWO graduate program. The aim of the program is to synergize the existing programs of the two universities to optimally use the time spent by the students at the respective universities.

It is envisaged that the program will start with Electrical and Computer Engineering and expand to other areas. It is expected that the program will commence with the first TU students arriving at UWO in the winter term of 2009, i.e., Jan. 2009.

I. Transfer of Credits to TU

1. TU Students may apply at the end of their 6th semester (Year 4 Term 1) for admission to the proposed dual degree program at UWO. The applications will be screened at TU and subsequently forwarded to UWO. To be accepted into this dual degree program, applicants must have an average grade of 78% or higher (from their 2nd and 3rd years).
2. The program will allow TU students to take up Project semester that is a part of their undergraduate curriculum, in the January term at UWO. The project work will be supervised and evaluated jointly by faculty members from TU and UWO.

3. The credits earned during the project semester at UWO will be transferred to TU to fulfill the requirements of Bachelor's degree at TU.
4. The admission of TU students at UWO during project semester will be provisional.
5. After the successful completion of all the requirements of Bachelor's degree at TU, the students will commence graduate study at UWO.

II. Transfer of Credits to UWO

It is expected that the graduate level courses will be completed in two terms. This program will allow TU student to take a minimum of two courses for admission in Graduate program at UWO. Students will take up to two graduate level courses at TU. The courses shall be mutually agreed upon between TU and UWO. Credits earned for these courses will be transferable to UWO as graduate level courses. [Appendix 5](#) shows a list of such courses for Electrical and Computer Engineering and a Timeline for the proposed Dual Degree program.

III. Student Responsibilities and Services

1. TU students must satisfy language proficiency and all other requirements for admission to UWO graduate program as determined by the regulations of UWO.
2. TU students will pay regular fees and tuition at the rate existing at the time of enrollment at UWO, while enrolled at UWO for graduate program.
3. TU students shall pay no tuition fee during project semester at UWO. The status of these students will be visiting/exchange students from Universities with whom UWO has MOUs.
4. TU students will be responsible for all other expenses including:
 - a. Transportation to and from UWO;
 - b. Room and boarding expenses;
 - c. Medical insurance: Health Services fees, if any;
 - d. Textbooks and any required academically-related material, clothing and personal expenses;
 - e. Passport and visa costs, and residence permit, if any.

U students will have full access to all UWO student support services. The TU students will agree to abide by all the rules and regulations of UWO.

Eligible TU student will be awarded student internship of \$5000 during Project semester and a graduate stipend of annually \$23000 during the graduate program at UWO.

Highly successful and motivated TU students will have the opportunity to apply for the UWO doctoral program.

IV. Evaluation of Project Semester

The Project semester students at UWO will be monitored and evaluated by designated faculty members of TU and UWO. For this purpose, at least one faculty member of TU shall visit UWO for at least two months. In addition to monitoring the students the TU faculty shall work on a research project with UWO faculty. The TU faculty shall be free to take up any short-term academic and research assignments at UWO. Financial support for the TU faculty may be provided by UWO if TU faculty member delivers specialized courses and contributes to research activities. TU shall support the travel expenses.

FOR INFORMATION

9. New Scholarships, Awards and Bursaries

SCAPA has approved on behalf of the Senate the following Terms of Reference for new scholarships and awards, for recommendation to the Board of Governors through the President & Vice-Chancellor:

Claude Lamoureux HBA Scholarships (Richard Ivey School of Business)

Awarded to full-time HBA students at the Richard Ivey School of Business based on academic achievement (minimum 80% average) and demonstrated community leadership. Preference will be given to students who have graduated from a publicly-funded high school. Applications for these scholarships must be submitted to the HBA Programs Office by January 31. The HBA Scholarship Committee will make the final selection of the recipients. These scholarships were made possible by gifts from Claude Lamoureux's friends and colleagues through Foundation Western, in recognition of Claude's commitment to excellence.

Value: 5 at \$10,000, 2008-2009 academic year inclusive
6 at \$10,000, 2009-2010 to 2014-2015 academic years inclusive
1 at \$10,000, 2015-2016 academic year onwards

Claude Lamoureux MBA Health Sector Awards (Faculty of Graduate Studies, Business Administration)

Awarded to full-time students entering the Master of Business Administration Program at the Richard Ivey School of Business, based on academic achievement, demonstrated community leadership and financial need. Applications for these awards must be submitted to the MBA Program Office by October 31. Final selection of recipients will be made by the MBA Scholarship Committee (with at least one representative of the Committee being a member of the Faculty of Graduate Studies), following an assessment of financial need by Ivey's Director of Financial Aid. Recipients must meet the Ontario residency requirements of the Ontario Trust for Student Support Program. These awards were made possible by gifts from Claude Lamoureux's friends and colleagues through Foundation Western in recognition of Claude's commitment to excellence.

Value: 2 at \$15,000
Effective: 2009-2010 academic year

Note: This portion of the Donors' gift qualifies for the Ontario Trust for Student Support (OTSS) program, which will provide a dollar for dollar match for endowed gifts directed to student bursaries or financial need based awards and scholarships. Recipients must meet Ontario residency requirements.

HBA 1957 Scholarship (Richard Ivey School of Business)

Awarded to a student entering HBA 1 or HBA 2 at the Richard Ivey School of Business based on academic achievement and demonstrated community leadership. Applications for this scholarship must be submitted to the HBA Programs Office by January 31. The HBA Scholarship Committee will make the final selection of the recipient. This award was made possible by gifts from the HBA Class of 1957 through Foundation Western.

Value: 1 at \$2,000
Effective: 2008-2009 academic year

Dennis Logan Award (Any Undergraduate Faculty)

Awarded to an undergraduate student entering first year of any degree program with a minimum admission average of 80%, who demonstrates financial need. Online financial award applications are available through the Office of the Registrar's Web site and must be submitted by October 31. The Office of the Registrar will select the recipient. This award was established by Dennis Logan (BA '67) through Foundation Western.

Value: 1 at \$500
Effective: 2008-2009 academic year

This award is offered through the Ontario Student Opportunity Trust Fund (OSOTF) program, and recipients must meet Ontario residency requirements.

Concentric Associates International Inc. Award (Faculty of Engineering)

Awarded to a full-time undergraduate student in third or fourth year of the Civil Engineering program who has achieved a minimum 75% average, is enrolled in a concurrent degree program, is involved in extracurricular activities, and has demonstrated financial need. In addition to this award, Concentric Associates will offer the recipient a work term with their company. Applications can be obtained from the Faculty of Engineering and must be submitted along with a short statement outlining academic interests and involvement in extracurricular activities by September 30. The recipient will be selected by the Scholarships and Awards Committee in the Faculty of Engineering after the Registrar's Office has assessed financial need. Online financial need applications are available through the Office of the Registrar's Web site and are also due by September 30. This award was established by a generous gift from Concentric Associates International Inc.

Value: 1 at \$1,500

Effective: 2008-2009 academic year

The value of the award will be \$1,500 for the 2008-2009 to the 2012-2013 academic years, inclusive. After this time, the value of the award will be determined based on the income available through the endowed fund, which is expected to be a minimum of \$1,125.

Mature Student Advisor Bursary (Any Undergraduate Faculty)

Awarded to a part-time or full-time undergraduate student in any year of any undergraduate degree program who was admitted to Western as a Mature Applicant and who has demonstrated financial need. Applications can be accessed online through the Office of the Registrar's Web site and must be submitted by October 31. The Registrar's Office will select the recipient. This award was established by Donna Moore (MED'86), a valued employee of Western and a long-term Mature Student Advisor.

Value: 1 at \$1,000

Effective: 2008-2009 academic year

StarTech.com Awards (Faculty of Social Science, Management and Organizational Studies)

Awarded to full-time students entering their third year of the Bachelor of Management and Organizational Studies Program (BMOS), with the highest modular averages (minimum 75%), registered in the Specialization in Organizational & Human Resources, Major in Management and Organizational Studies or Major in Organization and Human Resources. Applications are available at the MOS Office and must be submitted along with a one-page statement outlining accomplishments and career interests by September 30. Should two or more students have the same average, preference will be given to a student residing in Southwestern Ontario, who in the opinion of the committee, submitted the best one-page statement. The award will continue into fourth year as long as the recipient maintains a 75% average. If a recipient fails to retain the award, another third-year student will be selected. The recipients will be selected by the Scholarship and Awards Committee within MOS. These awards were established by StarTech.com Ltd.

Value: 2 at \$2,500

Effective: 2008-2009 to 2012-2013 academic years inclusive

Beryl Ivey Continuing Entrance Award (Any Undergraduate Faculty)

Awarded to a Canadian (or permanent resident) secondary school student entering the first year of any first-entry undergraduate program, based on financial need and academic achievement (minimum 90% admission average). This prestigious entrance award also recognizes a candidate's engagement in a range of extra-curricular activities such as the arts and athletics, as well as community service through contributions to school and community life.

To be considered for this award, candidates should follow the application process established for the award, which includes an application, a one-page statement written by the candidate on how his or her activities

contribute to his or her home or school communities and impact the lives of others, and a letter of nomination from his or her school principal or a teacher. A Financial Assistance Application and supplemental information will be required. Applications and all supporting documentation must be received at Western by February 14.

The Office of the Registrar will consult with faculties in the selection process. A new first-year recipient will be selected each year. If similarly qualified students apply, the student with the greatest financial need will be selected. This award will continue for a maximum of four years provided the recipient maintains a 70% average on a minimum 5.0 course load or full course load as defined by the faculty. Should a student fail to retain the award, the award will become available to a similarly qualified student in the same year for the remainder of the initial four-year period.

This award was established through the Estate of Beryl Ivey, BA'47, through Foundation Western. Beryl Ivey was a well-known Canadian philanthropist and generous member of the London community who provided guidance and support to Western throughout her lifetime.

Value: 1 at \$16,000 annually, for a total value of \$64,000 over four years
Effective: 2009-2010 academic year

10. **Degree Diploma Wording for Graduate Student Diplomas**

Effective from July 1, 2008, the degree diplomas for graduate students will state that "Senate on recommendation of the School of Graduate and Postdoctoral Studies has conferred upon (graduate's name) the degree of (degree name) with all its rights, privileges and obligations." The change has resulted from the change in the name of the Faculty of Graduate Studies. Any student who graduated prior to June 30, 2008, will have the Faculty of Graduate Studies cited on his/her diploma.

11. **Annual Report of the Subcommittee on Undergraduate Program Review (SUUPR) 2007-2008**

The annual report of the Subcommittee on Undergraduate Program Review (SUUPR) for 2007-2008 is attached as [Appendix 6](#).