MEETING OF THE FACULTY COUNCIL OF THE FACULTY OF SCIENCE

A regular meeting of the Faculty Council of the Faculty of Science will be held on Wednesday, January 20, 2016, at 1 p.m. in C-2045.

AGENDA

1. Regrets
2. Adoption of the Minutes of December 9, 2015
3. Business Arising from the Minutes
4. Correspondence: None
5. Reports of Standing Committees:
   A. Undergraduate Studies Committee: None
   B. Graduate Studies Committee:
      a. Department of Psychology, proposal for new course, PSYC 7032, paper 5.B.a (7 pages).
   C. Nominating Committee: None
   D. Library Committee: None
6. Reports of Chair in Teaching & Learning and Embedded DELTS Teaching Consultant
7. Presentation on Software for Tracking Library Journals, Mykhaylo Evstigneev
8. Faculty of Science Strategic Plan - Annual Approval, paper 8 (5 pages).
9. Reports of Delegates from Other Councils
10. Report of the Dean
11. Question Period
12. Adjournment

Mark Abrahams
Dean of Science
A meeting of the Faculty Council of the Faculty of Science was held on Wednesday, December 9, 2015, at 1:00 p.m. in room C-2045.

FSC 2385 Present
Biochemistry
Mulligan, M.

Biology
Hurford, A. Leroux, S.

Chemistry
Fridgen, T. Merschrod, E.

Computer Science
Banzhaf, W. Batten, D. Brown, E. Bungay, S. Chen, P.
Mata-Montero, M. Vardy, A. Vidyasankar, K. Wareham, T.

Mathematics & Statistics
Haynes, R. Loredo-Osti, J.

Ocean Sciences
Fletcher, G. Gagnon, P.

Physics & Physical Oceanography
Curnoe, S. Lagowski, J. Morrow, M. Plumer, M.

Psychology
Neath, I. Thorpe, C.

Dean of Science Office
Abrahams, M. Foss, K. Foster, A. Meruvia-Pastor, O.
Rideout, J. Zedel, L.

Economics
Waples, J.

DELTAS
Todd, A.
Library
Ambi, A.

Faculty of Arts
Finnis, J.

Registrar's Office
Burry, J.

Marine Institute
Westcott, J.

FSC 2386  Regrets
Kris Poduska  Tom Clift
Nathan Cook  Theresa Mackenzie
Xili Duan  Sukhinder Cheema

FSC 2387  Adoption of Minutes
Moved: Minutes of the November 18, 2015, meeting be adopted.
(Fletcher/Sullivan). Carried. Three abstentions.

FSC 2388  Business Arising:  None

FSC 2389  Correspondence:  None

FSC 2390  Reports of Standing Committees:

A.  Undergraduate Studies Committee
    Report presented by Shannon Sullivan, Chair, Undergraduate Studies Committee.


    b.  Moved: Department of Computer Science, proposals for thirty-six new courses (Sullivan/Banzhaf). The Dean questioned whether additional resources would be required for the new courses. The Head of Computer Science confirmed there will be to which the Dean commented that such resources may not be available. Further discussion ensued about the possibility of offering only some of the streams and about the ability to show program concentrations on student transcripts. Carried. Four abstentions.

    Moved: Department of Computer Science, deletion of thirteen existing courses (Sullivan/Banzhaf). Carried. One abstention.

    c.  Moved: Department of Computer Science, calendar changes to existing major and joint major programs (Sullivan/Banzhaf). Council was advised that six pages were inadvertently missing
from the agenda; there were no objections to showing these on the monitor. A comment was made that courses will have to be offered in both the Fall and Winter semesters to allow students to complete their degree on time. The question was also asked whether all streams had the same number of required courses and the response was that they do. **Carried. One abstention.**

d. **Moved:** Department of Chemistry, deletion of CHEM 3500 and resulting calendar changes (Sullivan/Fridgen). **Carried.**

e. **Moved:** Department of Chemistry, calendar changes, amendment to course description of CHEM 2100 (Sullivan/Fridgen). **Carried.**

f. **Moved:** Department of Mathematics and Statistics, calendar change, Applied Mathematics major program (Sullivan/Haynes). **Carried.**

g. **Moved:** Department of Mathematics and Statistics, calendar change, pre-requisite for Statistics 3410 (Sullivan/Loredo-Osti). **Carried.**

h. **Moved:** Department of Mathematics and Statistics, calendar change to Mathematics and Statistics Program Regulations (Sullivan/Haynes). **Carried.**

i. **Moved:** Department of Physics and Physical Oceanography, calendar changes (Sullivan/Lagowski). **Carried.**

j. **Moved:** Department of Biology, calendar changes (Sullivan/Leroux). **Carried.**

k. **Moved:** Department of Biochemistry, calendar changes (Sullivan/Mulligan). **Carried.**

l. **Moved:** Department of Psychology, calendar change, course description of PSYC/BIOL 4770 (Sullivan/Leroux). **Carried.**

m. **Moved:** Department of Psychology, general calendar changes (Sullivan/Neath). **Carried.**

n. **Moved:** Department of Psychology, modifications to Psychology majors programs (Sullivan/Neath). **Carried.**

o. **Moved:** Department of Psychology, modification to Psychology joint majors programs (Sullivan/Neath). **Carried.**

p. **Moved:** Faculty of Science, proposal to add Science 1807 as a pre-requisite to laboratory courses (Sullivan/Foster). A question was asked whether this course was available for graduate students as well. The Associate Dean (Undergraduate and Administration) confirmed that it is. **Carried.**

**B. Graduate Studies Committee:**

Report presented by J.C. Loredo-Osti, Chair, Graduate Studies Committee.

a. **Moved:** Department of Mathematics and Statistics, calendar changes (Loredo-Osti/Haynes). **Carried.**

**C. Nominating Committee:** None
D. Library Committee:
Report presented by Patrick Gagnon, Chair, Library Committee.

Council was provided with a summary of the journal cutbacks at the Library. The plan is to cut more than 4,000 journals from several major publishers. The Library will buy back individual journals until their budget of approximately $400k is exhausted. The Library website has a list of the specific journals being cut. There was much discussion on the importance of maintaining the journals and the need to remain engaged in the process and find an acceptable solution.

FSC 2391 Reports of Delegates from Other Councils: None

FSC 2392 Report of the Dean
Presented by Mark Abrahams, Dean.

As an update to the last meeting, the Dean has now received feedback from throughout the university community regarding support for UQAR’s CFI MSI grant proposal for the 50 meter Coriolis II research vessel. There was general support for the proposal that was communicated to UQAR. However, the support was reserved since the vessel is not ice rated, is relatively small and therefore not capable of year round operations, and does not have the capacity to catch fish.

The Provost’s office released a memo yesterday describing their plan for restructuring the office by combining the role of two AVPs into a single position. The role and responsibility of that AVP has yet to be determined and Dr. Neville’s term as AVP (Planning, Priorities and Programs) will conclude on April 1, 2016.

The Dean has been in contact with Grenfell campus regarding concerns that were expressed with course equivalency and the ability of students to move between the two campuses. The VP of Grenfell has said that this is a concern. The Dean has had preliminary conversations with Dr. Gallant (Division Head of Science), and it has been agreed to work together in the new year to develop a resolution to this issue.

Faculty may recall that about two years ago the Faculty of Science was successfully able to fund the installation of four videoconference facilities. While the units work well when linked to other Polycom systems, they tended to not do as well with other systems. The university has recently purchased a software solution for this called BlueJeans. This permits the use of the videoconferencing system with computers or any other system. It has successfully been used by Physics for preliminary interviews with candidates for a faculty position as well as students making presentations.
while off campus. The Dean is hoping that this system will now encourage faculty and students to take advantage of videoconferencing.

The issue of library subscriptions has attracted considerable attention and represents a significant challenge to both the Faculty of Science and the university. The Dean thanks the members of the Faculty of Science Library committee in their proactive and constructive conversations with the Library. The effectiveness of this committee has been noted both by the university librarian and the President as a model to be emulated by other units.

FSC 2393  Question Period

FSC 2394  Adjournment

The meeting adjourned at 2:00 p.m.
Request for Approval of a Graduate Course

Adobe Reader, minimum version 8, is required to complete this form. Download the latest version: [http://get.adobe.com/reader](http://get.adobe.com/reader). (1) Save the form by clicking on the diskette icon on the upper left side of the screen; (2) Ensure that you are saving the file in PDF format; (3) Specify where you would like to save the file, e.g. Desktop; (4) Fill in the required data and save the file; (5) Submit the completed form to:

School of Graduate Studies: Memorial University of Newfoundland, St John's, NL A1C 5S7 Canada Fax 709 864 4702 eMail gsp@mun.ca

To: Dean, School of Graduate Studies
From: Faculty/School/Department/Program
Subject: ☑ Regular Course ☐ Special/Selected Topics Course

Course No.: PSYC7032

Course Title: We wish to change to title of this course to: Practicum in Assessment and Intervention III

I. To be completed for all requests:

A. Course Type: ☐ Lecture course ☐ Lecture course with laboratory ☐ Laboratory course ☐ Undergraduate course
☐ Directed readings ☑ Other (please specify) Practicum Course

B. Can this course be offered by existing faculty? ☑ Yes ☐ No

C. Will this course require new funding (including Payment of instructor, labs, equipment, etc.)? ☐ Yes ☑ No
If yes, please specify:

D. Credit hours for this course: 3

E. Estimated number of contact hours per semester: 24

F. Course description (reading list required):

This course provides supervised training in approved clinical settings, so as to further develop breadth and depth in students' clinical experience. The practicum requires that students spend 30 hours per week for 6 weeks working under supervision in an approved clinical setting and attend a weekly seminar.

G. Method of evaluation: Percentage Oral

Written

Assignments

Other (specify): ☑ Mid-term & Final Eval

Practicum Course

Final examination:

Total ☑ Pass/Fail

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1 Must specify the additional work at the graduate level
II. To be completed for special/selected topics course requests only

For special/selected topics courses, there is no evidence of:

1. duplication of thesis work
2. double credit
3. work that is a faculty research product
4. overlap with existing courses

Instructor's initials

Recommended for offering in the □ Fall □ Winter □ Spring 20__

Length of session if less than a semester:

III. This course proposal has been prepared in accordance with General Regulations governing the School of Graduate Studies

Course instructor

[Signature]

Date Dec 21/15

Approval of the head of the academic unit

[Signature]

Date Jan 6/16

IV. This course proposal was approved by the Faculty/School/Council

Secretary, Faculty/School/Council

Date

Updated October 2011
To: Dr. Brent Snook, Chair, Graduate Studies Committee, Department of Psychology

From: Dr. Jacqueline Carter-Major, Director of Clinical Training, Department of Psychology

Re: Explanation of Proposed MUN Calendar Changes for Doctor of Psychology (Psy.D.) Degree

1. In section 33, under “Administrative Committee”, Dr. Christine Arlett should be deleted because she has retired and Dr. Julie Gosselin, Associate Professor in the Department of Psychology, should be added as Associate Director. Finally, we propose changing the title “Director” to “Psy.D. Program Director” because we believe the latter title more accurately describes this position.

   In the next paragraph, we propose the following clarification: “This program is designed to train professional psychologists at the doctoral level within a scholar-practitioner orientation.” And we propose adding the following statement: “The program was designed to meet all of the requirements for registration with the Newfoundland and Labrador Psychology Board and to meet the accreditation standards of the Canadian Psychological Association” because we believe this is important information to share with potential applicants.

2. In section 33.1, the name of the provincial psychology association should be corrected to “Association of Psychology in Newfoundland and Labrador”.

3. In section 33.3 b, courses 6613 should be deleted.

4. In section 33.4, 6613 should be deleted because we have incorporated the content of this course into 6623.
PROPOSED CALENDAR CHANGES: DOCTOR OF PSYCHOLOGY DEGREE

Memorial University of Newfoundland – Calendar 2015/2016

33 Regulations Governing the Degree of Doctor of Psychology

- www.mun.ca/science
- www.mun.ca/psychology

**Administrative Committee**

- Dr. C. Arietti, Department of Psychology – Co-Director
- Dr. J. Carter-Major, Department of Psychology - Psy.D. Program Director
- Dr. Julie Gosselin, Department of Psychology – Associate Director
- Ms. B. Cater, Eastern Health
- Dr. S. Edison, Association of Newfoundland Psychologists
- Dr. O. Heath, University Counselling Centre
- Dr. E. Whalen, University Counselling Centre

The Doctor of Psychology (Psy.D.) degree in clinical psychology is offered by the Department of Psychology in partnership with the University Counselling Centre. This program is designed to train professional psychologists at the doctoral level within a scholar-practitioner orientation to prepare clinical psychologists to provide a variety of psychological services to individuals, families and communities. The program was designed to meet all of the requirements for registration with the Newfoundland and Labrador Psychology Board and to meet the accreditation standards of the Canadian Psychological Association.

33.1 Administration

1. The Psy.D. Program Director, who must be a registered Psychologist and hold a full-time faculty position in the Department of Psychology at Memorial University of Newfoundland, is appointed by the Head of the Department of Psychology following a consultative process that includes the faculty most directly associated with the Psy.D. program.

2. The Psy.D. Administrative Committee consists of the Director and representatives from academic units involved in the program, Eastern Health, the Association of Psychology in Newfoundland, Psychology and Labrador, and the Psy.D. student body. The Head of the Department of Psychology, on the recommendation of the Director, appoints Committee members. The student representative is elected by the Psy.D. students.

3. The Psy.D. Administrative Committee is chaired by the Director, and is the main body for developing and monitoring policy, procedures, and program content. The administrative committee makes recommendations concerning admission and termination, financial support, thesis and comprehensive committees, and thesis topics and examiners. The Committee oversees individual student programs of study and monitors their annual progress.

33.2 Admission Criteria

1. Students with Master's level degrees who wish to be considered for the program must have completed the undergraduate degree in Psychology and the undergraduate course requirements described below.
2. Applicants are required to have an undergraduate Honours degree in psychology that includes an Honour's thesis as well as courses in each of the following areas:
   a. abnormal psychology
   b. cognition
   c. developmental psychology
   d. history and systems
   e. learning theory
   f. neuroscience
   g. research design
   h. social psychology
   i. statistics

3. Admission to the program is competitive. Applicants will be ranked according to academic aptitude, personal and interpersonal competence, clinical and professional potential, and availability of a supervisor. The application shall include academic transcripts, results of the Graduate Record Examination (verbal, quantitative and analytical subtests), three letters of recommendation and a statement of interests and objectives. One letter of recommendation must specifically address the suitability of the applicant for clinical work. Applicants who are short-listed will be interviewed, either in person or via telephone. Work experience, research experience, extra-curricular activities, and clinically relevant public service will be taken into consideration.

33.3 Program of Study
Students are required to successfully complete at least 626 credit hours in regulation graduate courses. These include:
   a. 9 credit hours in statistics and research design courses (6600, 6601, 6602);
   b. 2730 credit hours in core courses (6611, 6612, 6623, 6624, 6625, 6626, 6627, 6628, 6630, 6631, 6632, 6633, 6634, 6635);
   c. 27 credit hours in practicum courses (7010, 7020, 7021, 7030, 7031, 7032, 7033, 7034, 7035).
Students must also complete a year-long Internship, pass a comprehensive exam and successfully complete a research thesis.

33.3.1 Comprehensive Examination
The Psy.D. comprehensive exam, consisting of a written and an oral component, shall be taken during the third-second year of the program. The exam is intended to demonstrate clinical application of the knowledge acquired through course work and practica. The comprehensive exam will be administered according to the guidelines prescribed in the University Calendar for Ph.D. comprehensive examinations.

33.3.2 Thesis
Students will complete a thesis that is applied in nature and relevant to the practice and science of clinical psychology and the communities it serves. The School of Graduate Studies General Regulations, Evaluation of Ph.D. and Psy.D. Theses concerning evaluation of Ph.D. theses will be followed.

33.3.3 Predoctoral Internship
All students will be required to complete a twelve-month, 1750 clock-hour predoctoral internship.

33.4 Courses
- 6000 Advanced Statistics
- 6001 Research Design
- 6002 Research Design in Clinical Psychology
- 6611 Ethics of Professional Practice
- 6612 Adult Psychopathology
- 6613 Child Psychopathology
- 6614 Selected Topics in Psychopathology
- 6620 Principles of Adult Assessment and Diagnosis
- 6621 Principles of Child Assessment and Diagnosis
- 6622 Selected Topics in Assessment and Diagnosis
- 6623 Child Psychopathology, Assessment and Diagnosis
- 6630 Principles of Intervention with Adults
- 6631 Principles of Intervention with Children
- 6632 Community Interventions
- 6633 Clinical Psychopharmacology
- 6634 Selected Topics in Intervention
- 6640 Consultation Processes
- 6650 Supervision
- 6660-6669 Special Topics in Clinical Psychology
- 7010 Practicum in Ethics and Relationship Skills
- 7020 Practicum in Adult Assessment and Diagnosis
- 7022 Practicum in Child Assessment and Diagnosis
- 7030 Practicum in Assessment and Intervention I
- 7031 Practicum in Assessment and Intervention II
- 7032 Practicum in Community Assessment and Intervention III, Interprofessional Practice
- 7033 Practicum in Advanced Assessment and Intervention I
- 7034 Practicum in Advanced Assessment and Intervention II
- 7035 Practicum in Rural Intervention and Interprofessional Practice
- 7050 Practicum in Supervision I
- 7051 Practicum in Supervision II
Hi Gail,

so far 11 committee members have voted supporting the changes (Ratana, Bob, Joe, Kapil, Cyr, Christina, Kareem, Ron, Todd, Brent and myself). No votes against. Then, the request for approval can be put to the Faculty Council consideration.

Salud,
-j

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JC Loredo-Osti, Professor
Department of Mathematics and Statistics Memorial University
Phone: +(709) 864 8729

"Alas! all music jars when the soul's out of tune"
--Miguel de Cervantes
Strategic Plan for the Faculty of Science
Memorial University of Newfoundland
Fall 2011

The province of Newfoundland and Labrador, and Memorial University are currently undergoing a period of rapid change. As the province’s role within the country has changed, so too has the role of Memorial University and the Faculty of Science. The purpose of this document is to anticipate and plan for research, teaching, and service in this environment and to provide guidance to the Faculty of Science for the next decade.

Anticipated Challenges for the Faculty of Science from 2011 to 2021

- Memorial University will continue to shift its focus to become a more research-intensive university.
- Tri-council (NSERC, CIHR, SSHRC) funding will continue to be a basic operating resource for many faculty members. However, competition for these sources will only increase in the future. While tri-council funding will be fundamental to the research mission of the Faculty of Science, other agencies such as The Atlantic Canada Opportunities Agency, the Atlantic Innovation Fund, Canada Foundation for Innovation, Genome Canada, Genome Atlantic and the Newfoundland and Labrador Research and Development Corporation will continue to provide the financial resources that will allow us to significantly transform research. For the Faculty of Science to thrive in the next decade, we must pre-position ourselves to take full advantage of these and other opportunities.
- Graduate student numbers will continue to increase.
- Undergraduate student numbers will remain stable or increase modestly. This student population will become more ethnically diverse. Engagement of faculty in undergraduate recruitment activities will need to be increased.
- The numbers of students registering for distance education courses will continue to increase. With this growth, we will need to reconsider the blend of on-campus and distance courses acceptable for a MUN degree, and the extent to which the Faculty of Science should be offering courses to other institutions and accepting courses from other institutions.
- We will continue to be challenged by our infrastructure, but a revitalized provincial economy means that it is reasonable to assume that significant new construction will take place within the next 10 years.
- The Faculty of Science has not fully engaged its alumni. They are a critical resource for this Faculty so establishing this connection will be a major new undertaking.

Vision
A research-intensive Faculty that is renowned both for the caliber of our research and the quality of our graduates
Mission
Consistent with the mission of Memorial University, the Faculty of Science is dedicated to international excellence in research, teaching and engagement to the benefit of people locally, nationally, and internationally.

Mandate

Research
The Faculty of Science is responsible for the provision of a broad spectrum of basic science knowledge and as such serves as the foundation upon which more applied disciplines are based. It is our responsibility to further knowledge within specific science disciplines, as well as to create the conditions that facilitate interdisciplinary research.

Teaching
The Faculty of Science is intended to be broadly accessible to students. Emphasis is placed on creating an environment that encourages and supports the learning process, while also challenging our students to achieve goals they might not have thought possible.

The Plan

Research Goals:
The Faculty of Science will enhance its stature globally as a leading research-intensive faculty that advances knowledge and produces high calibre graduates. Research within the Faculty of Science is primarily devoted to questions of fundamental importance, but also includes applied research relevant locally, nationally, and internationally. To achieve this we will:

1. Support and promote basic and applied research excellence in areas of established strength and emerging opportunity while recognizing the freedom of the faculty to pursue individual research interests based on their judgement, skill, and curiosity. The hiring of faculty will be primarily driven by our research agenda.
2. Attract and retain world-class faculty, students, postdoctoral fellows and staff to engage in cutting edge research activity.
3. Foster an intellectual environment conducive to research excellence and to the training and mentoring of highly qualified personnel.
4. Provide the infrastructure and services essential to support the training of undergraduate and graduate students and leading-edge research.
5. Engage with partners within and outside of Memorial to promote and support interdisciplinary research, research networking, and research collaborations.
6. Promote the high caliber of our research. This can be achieved by more aggressively preparing and nominating our faculty and graduate students for national and international awards.
Current Strengths and Emerging Opportunities in Research.

The Faculty of Science currently has substantial and diverse research strength, the greatest being our faculty, staff, and students. Within academic departments research agendas are driven by the discipline-specific departmental strategic plans. Beyond those, the Faculty of Science engages in interdisciplinary research that crosscuts individual departments and serves to synergize the research endeavor in the Faculty as a whole. The current research strengths include Marine Sciences; Natural Resources; Biomedical Sciences and Health; Materials Science; and Mathematical and Computational Sciences.

While the Faculty of Science is committed to maintaining its core areas, there are also particular areas of emerging opportunity generated by the expertise of our faculty, our research infrastructure, and our geographical position with its associated climate, resources, and ecology that distinguish us from other faculties of Science. We therefore provide diverse opportunities that will draw researchers and students here in preference to other universities in Canada or internationally. The areas also crosscut most of the departments and are consistent with the priority and strategic areas that federal and provincial government agencies target for funding as well as Memorial’s special obligation to the people of Newfoundland and Labrador. They also reflect areas in which we have made recent new hires. For the Faculty of Science, these strategic research areas are:

Marine Sciences

Research activities in this area includes, for example: biological, chemical, physical, and geological oceanography and oceanographic modeling; ocean acoustics; ocean data visualization; ocean sensor and instrumentation development; physiology, molecular biology, and biochemistry of aquatic species; aquaculture and fisheries science; marine ecology; cognitive and behavioural ecology of marine species; conservation and climate change; glacial climate systems; harsh environments.

Natural Resources and Energy

Research activities in this area include the discovery, production and monitoring of non-renewable and renewable natural resources as well as traditional and alternative sources of energy. Some examples are: petroleum reservoir characterization and modeling; mineralogy; stratigraphy; sedimentology; exploration geophysics; tectonics; environmental impact and monitoring of resource extraction; biofuels and materials; energy sustainability, cognitive and behavioural ecology; landscape ecology and conservation; plant ecology; environmental geology; sustainable/green chemistry; alternative energy sources; geochemistry; biogeochemistry; contaminant hydrology; environmental chemistry.
Mathematical and Computational Sciences

Mathematical and Computational models are pervasive in modern science. Research ranges from theoretical computer science, pure mathematics, applied mathematics, mathematical physics and statistics to the more applied areas such as: nature and bio-inspired computing, autonomous robotics, complex systems and their simulation, mathematical and computational biology and chemistry, fluid dynamics, geophysical modeling, ocean and atmosphere modeling.

Teaching Goals:

The Faculty of Science is dedicated to providing our undergraduate and graduate students with the best possible educational experience, acknowledging the needs and interests of our province.

1. All decisions involving the education of our students will be designed to uphold the value of a Memorial University Science degree.
2. Students will be provided with the highest quality of instruction. To ensure this, faculty members will receive constructive feedback, and be provided with the opportunity and the means to improve and enhance their teaching and to develop innovations in teaching. Graduate students will have opportunities for developing their teaching skills.
3. We will maintain an infrastructure appropriate for contemporary learning. Undergraduate laboratory equipment will have technology consistent with that used in the modern research environment.
4. Undergraduate students will be involved in the research environment. Our undergraduates will be given the opportunity to participate in research and such experience should be credited on their transcripts. Undergraduate students will be encouraged to present their research findings at regional and national scholarly conferences.
5. We will incorporate technological advancements into our curricula whenever it is appropriate to do so. In particular, an increase in the scope of distance course offerings here and elsewhere will create challenges and opportunities.
6. Teaching excellence will be recognized and rewarded by actively nominating faculty for local and national teaching awards.

Current Strengths and Emerging Opportunities in Teaching

The Faculty of Science has a strong reputation of excellence in teaching that is a consequence of the skill and dedication of our faculty and staff. Our instruction ranges from the traditional lecture format, to learning opportunities that place greater emphasis on experiential learning (e.g., field schools and courses and clinical training), to award winning distance education courses. While the Faculty of Science includes a diverse range of disciplines, we are committed to providing students with both the opportunity to learn and the opportunity to apply their knowledge. Coop programs are a relatively small component of our programs within the Faculty of Science, and they provide a learning opportunity that should grow in the future. Likewise, there are also opportunities for expanding the range of options for our students through partnerships with other faculties (e.g., life science and engineering science).
Priorities for most of our undergraduate and graduate programs are provided by our departmental strategic plans. The Faculty of Science is home to our interdisciplinary graduate programs (Aquaculture, Cognitive and Behavioural Ecology, Computational Science, Environmental Science, and Theoretical Physics). As our graduate programs reflect our research expertise, we expect growth in our graduate programs to be fueled by growth in our research programs.

Engagement:

As one of the largest academic units at Memorial University, we tend to be modest about our achievements. However, such modesty means that most outside the Faculty of Science do not know who we are, what we do, and how we contribute to both the university and the province. We therefore do not get the recognition we deserve in terms of the excellence of our teaching programs, and the accomplishments of our students, faculty and staff.

1. We will better engage with the community to make clear our contribution to society and our contribution to the success of the province.
2. We will make a strong connection with our alumni so that they remain engaged with the Faculty of Science after they graduate.
3. The Faculty of Science at Memorial will establish a national profile that distinguishes it from science at other universities in Canada. This will be informed by our research and teaching goals.
4. We will be proactive in our use of technology in order to have a presence in a variety of different media.
5. Our faculty are encouraged to be more engaged with the media and they will be assisted with media training.
6. Students will be encouraged to participate in national and international competitions to both inform ourselves and others of the strengths of our programs.