

**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**  
**SENATE**

The regular meeting of Senate was held on October 11, 2022 at 4:00 p.m.NDT  
via Webex.

14. PRESENT

The President, Dr. N. Bose, Dr. T. Adey, Dr. K. Anderson, Dr. T. Allen, Dr. D.Behm, Mr. P. Brett, Dr. F. Bambico ,Dr. P. Banahene Adjei, Dr. S. Bugden, Dr. K. Bulmer, Dr. T. Brown, Dr. T. Chapman, Dr. A. Clarke, Dr. A. Cunsolo, Mr. C. Couturier, Dr. N. Catto, Dr. O. Dobre, Mr. E. Durnford, Dr. J. Etienne, Dr. T. Fridgen, Dr. E. Fraser, Dr. J. Flynn, Dr. G. Galway, Dr. G. George, Dr. J. Hawboldt, Dr. E. Haven, Dr. D. Hardy Cox, Dr. M. Haghiri, Dr. J. Hawbolt, Dr. N. Hurley, Dr. P. Issahaku, Dr. K. Jacobson, Dr. D. Keeping, Dr. D. Kelly, Dr. C. Kozak, Dr. L. McKivor, Dr. S. MacDonald, Dr. M. Marshall, Dr. D. Mullings, Dr. D. O’Keefe, Dr. S. O’Neill, Dr. D. Peters, Dr. A. Pike, Dr. J. Pridham, Dr. C. Purchase, Dr. P. Ride, Ms. H. Skanes, Dr. S. Shetranjiwalla, Dr. A. Sullivan, Dr. K. Snelgrove, Dr. M. Stordy, Dr. I. Sutherland, Ms. R. Smith, Dr. L. Twells, Dr. G. Watson, Ms. C. Walsh, Dr. J. Westcott, Dr. A. Warren, Mr. N. Akib, Mr. M. Rashid, Mr.E. Araujo, Dr. M. Hunter

PRESENT BY INVITATION

Ms. Michelle Snow, Interim Secretary of Senate  
Dr. Shannon Sullivan, Chair of the Senate Committee on Undergraduate Studies

APOLOGIES FOR ABSENCE

Dr. K. Hodgkinson, Ms. S. Merchant, Dr. A Pike, Dr. A Bittner, Mr. P. Sullivan, Dr. S. Neilsen, Dr. E. Kendall, Dr. S. Neilsen, Dr. C. Andersen

15. MOTION TO ADOPT AGENDA

It was moved by Dr. George, seconded by Dr. Hagihiri and carried to adopt the agenda.

16. MINUTES

It was moved by Mr. Couturier, seconded by Dr. Sutherland and carried that the Minutes of the regular meeting held on September 13, 2022 be taken as read and confirmed.

17. REMARKS FROM THE CHAIR

The Chair provided an update on several items of note:

- Initiation to Mr. Robert Philpott, Vice-President (Finance) for next Senate meeting, November 8, 2022 for budget presentation.

- Fall convocation October 20, 2022 and the President encouraged all faculty members for representation at the ceremonies
- Installation of newly appointed Chancellor, Mr. Earl Ludlow will take place at a Special Convocation at 10 a.m. on October 20.
- Auditor General review is ongoing at the University with over 1000 documents having been provided. It is anticipated that a formal scope of work will be provided to the University sometime this Fall.
- An update on several new appointments and search processes was provided including:
  - The appointment of Dr. Ailsa Craig as Special Advisor on Continuing Education.
  - The search for a full time government relations advisor reporting to the President is underway and is expected to be filled soon.
  - Dr. Peter Ride, Dean of the School of Fine Arts, Grenfell Campus was welcomed to Senate having commenced his position in September.
  - Search continuing for Provost and Vice-President (Academic)
  
- Hurricane Fiona had directly impacted at least 120 students. Memorial staff are assisting those affected with appropriate supports where possible.
- Support is also being provided for Iranian students who have been impacted by the killing of Mahsa Amini, an Iranian woman in Iran.
- The mask mandate has been lifted, however masks are still encouraged.
- The annual Alumni Awards Ceremony recognized four women who have made significant achievements in their fields and to Memorial University.

#### REMARKS FROM THE DEPUTY CHAIR

The Deputy Chair of Senate then provided an update on the status of several searches and appointments being led through the Office of the Provost and Vice-President Academic.

- Search continuing for Dean, School of Arctic and Sub-Arctic Studies
- Search for Dean of Engineering and Applied Science still ongoing
- Search for Dean of Education still in progress. Confirming student representation to complete this search committee.

#### CONSENT AGENDA

It was moved by Dr. George, seconded by Dr. Watson and carried that the consent agenda be approved as presented. It was noted that Dr. Mark Hunter, Ex-officio Senator from the Department of Education abstained

18. Report of the Academic Council of the School of Graduate Studies

18.1 Applied Health Services Research Revisions

On page 704 of the 2022-2023 University Calendar under the heading 38.1.3 Program Areas revise sections 38.1.3.1 and the addition of three new courses in section 38.2.3 as follows:

**“38.1.3.1 Applied Health Services Research**

The Applied Health Services Research program...

**3. Program Requirements**

- a. There are two routes to completing the MSM (MED) Applied Health Services Research: a research (thesis) route and a course-based (professional) route. Students in the research route are required to complete three required courses, two elective courses, a two-day interactive workshop and a thesis. Students in the course-based route are required to complete three required courses, five elective courses, a two-day interactive workshop and a practicum or capstone project. All students are required to participate in monthly seminars throughout the fall and winter semesters.”
- b. Prior... in the thesis stream shall present an open seminar
- c. The outline of programs of study are as follows:

**Outline of Program of Study (Thesis Route)**

<b>Semester</b>	<b>Required Courses and Other Requirements</b>	<b>Elective Courses</b>
<b>Semesters 1 and 2</b>	MED 6285 MED 6290 MED 6294 or MED 6295 In-Person Workshop Monthly Seminars	2 courses chosen from: MED 6108, MED 6136, MED 6282, MED 6283, MED 6288, MED 6293
<b>Semester 3</b>	Thesis	
<b>Semesters 4 and 5</b>	Monthly Seminars Thesis	
<b>Semester 6</b>	Thesis	

**Outline of Program of Study (Course-based Route)**

<b><u>Semester</u></b>	<b><u>Required Courses and Other Requirements</u></b>	<b><u>Elective Courses</u></b>
<b>Semesters and 2</b>	1 MED 6290 MED 6285 MED 6282 Interactive Workshops Monthly Seminars	5 courses chosen from: MED 6108, MED 6136, MED 6283, MED 6288, MED 6293, MED 6294, MED 6295
<b>Semester 3</b>	MED 6298 (Practicum) or MED 6299 (Capstone Project)	

**38.2.3 Graduate Courses ...**

- 6283 'Big Data' Research and Analytics in Health Care
- 6298 Applied Health Services Research – Practicum
- 6299 Applied Health Services Research – Capstone ...”

19. Report of the Senate Committee on Undergraduate Studies

19.1 On page 221 of the 2022-2023 University Calendar under section 13.18 History, add the following course:

13.18 History

“**2260 Slavery and Abolition in the Atlantic World** introduces students to the history of the Atlantic slave trade, slavery, and freedom from the late fifteenth century to the mid-nineteenth century. The course examines the mechanics of the slave trade, the experiences of enslaved peoples, the factors of race and gender, as well as slave societies, slave resistance, and the international movement to abolish the slave trade and slavery itself.

CR: HIST 2140”

On page 167 of the 2022-2023 University Calendar under section 7.3.2 Bachelor of Arts with Major in Historical Studies

“Table 2 Bachelor of Arts with Major in Historical Studies

1. History 1100, 1101, and 3840
2. 24 credit hours in **Early** and **Later Western History**, namely:

**12 credit hours in Early Western History chosen from:**

..., 2260, 2300, 2320, 2330, 3030, 3050, 3110, 3135, 3320, 3370, 3445, 3551, 3760, 3786

Those courses that are listed in both Early and later Western History categories (2260, 3030 and 3551) cannot be double-counted for both categories.”

**“12 credit hours in Later Western History chosen from:** Anthropology 3525 or ... 2260, 2310, 2500, 2510, 2540, 3030, 3060, 3102, 3120, 3250, 3330, 3380, 3440, 3460, 3490, 3551, 3675, 3770, 3801, 3807

Those courses that are listed in both Early and later Western History categories Those courses that are listed in both Early and later Western History categories (2260, 3030, and 3551) cannot be double-counted for both categories.”

On page 337 of the 2022-2023 University Calendar under section 16.16 History amend the following course:

**“2140 The Atlantic Slave Trade ...**

CR: HIST 2260”

- 19.2 On page 217 of the 2022-2023 University Calendar (Grenfell Campus) under section 13.13.2 Environmental Chemistry add the following new courses:

**“3262 Environmental Biogeochemistry** (same as Chemistry 3262 and Earth Sciences 3562) introduces students to the biological, chemical, and geological processes underpinning carbon, nitrogen, sulfur, iron, manganese, and phosphorus cycling. Using real-world examples, this course provides an in-depth examination of the interplay between the different processes governing biogeochemical cycles within soils/sediments and along the aquatic continuum. Topics may also include early earth biogeochemistry, methods in biogeochemistry, and the role of spatial/ temporal variability and climate change on earth’s biogeochemical cycles.

CR: Chemistry 3262, Earth Sciences 3562

PR: A minimum of 48 credit hours including: Biology 1002 or Biology 2120 or Biochemistry 2201; Chemistry 1001 or 1051; Earth Sciences 1000; or permission of the instructor”

On page 198 of the 2022-2023 University Calendar (Grenfell Campus 2022-2023) under section 7.5.3 Bachelor of Science with a Major in Environmental Science amend as follows:

**“Table 6 Bachelor of Science with Major in Environmental Science**

**Environmental Science Streams**

A student must choose one of the following streams:

**Biology stream (27 credit hours)**

...

Two of Environmental Science 3260, 3261, 3262..."

**Chemistry stream (33 credit hours)**

...Two of Environmental Science 3260, 3261, 3262..."

On page 203 of the 2022-2023 University Calendar under section 8.10.1 Course Requirements for Honours in Environmental Science (B.Sc.) amend point five as follows:

"5. In order to be considered for graduation with an Honours degree, the candidate must satisfy the regulations regarding **Academic Standing** as specified under **Honours Degrees**.

Courses used to calculate the academic standing as outlined under **Honours Degrees** include all required Environmental Science and Chemistry courses for the Chemistry stream students and all required Environmental Science and Biology courses for the Biology stream students, excluding, in both cases, 1000 level courses.

More specifically, courses normally used for calculations would be:

**Biology stream:**

Biology...

**Chemistry stream:**

Environmental Science 3210, 3211, 4230

...Two of: Environmental Science 3260, 3261, 3262..."

On page 210 of the 2022-2023 University Calendar (Grenfell Campus) under 13.5 Chemistry add the following course:

**"3262 Environmental Biogeochemistry** (same as Earth Sciences 3562 and Environmental Science 3262) introduces students to the biological, chemical, and geological processes underpinning carbon, nitrogen, sulfur, iron, manganese, and phosphorus cycling. Using real-world examples, this course provides an in-depth examination of the interplay between the different processes governing biogeochemical cycles within soils/sediments and along the aquatic continuum. Topics may also include early earth biogeochemistry, methods in biogeochemistry, and the role of spatial/ temporal variability and climate change on earth's biogeochemical cycles.

CR: Earth Sciences 3562, Environmental Science 3262

PR: A minimum of 48 credit hours including: Biology 1002 or Biology 2120 or Biochemistry 2201; Chemistry 1001 or 1051; Earth Sciences 1000; or permission of the instructor”

On page 212 of the 2022-2023 University Calendar (Grenfell Campus) under section, 13.8 Earth Sciences add the following course:

**“3562 Environmental Biogeochemistry** (same as Chemistry 3262 and Environmental Science 3262) introduces students to the biological, chemical, and geological processes underpinning carbon, nitrogen, sulfur, iron, manganese, and phosphorus cycling. Using real-world examples, this course provides an in-depth examination of the interplay between the different processes governing biogeochemical cycles within soils/sediments and along the aquatic continuum. Topics may also include early earth biogeochemistry, methods in biogeochemistry, and the role of spatial/ temporal variability and climate change on earth’s biogeochemical cycles.

CR: Chemistry 3262, Environmental Science 3262

PR: A minimum of 48 credit hours including: Biology 1002 or Biology 2120 or Biochemistry 2201; Chemistry 1001 or 1051; Earth Sciences 1000; or permission of the instructor”

20 Report of the Senate Committee on Elections, Committees and Bylaws

20.1 Names for Membership on Senate Standing Committees

The Committee on Elections, Committees and Bylaws has approved the following membership on Senate Standing Committees for a term commencing immediately and expiring August 30, 2025.

<b>Senate Committees</b>	<b>ASM- Constituency</b>
Committee on Undergraduate Studies	Wendy Rodgers (Library)
Committee on Honorary Degrees and Ceremonial	Peggy Coady (Business)
Committee on Academic Appeals	Neil Kennedy (History) Terry Lynn Young (Medicine)
Teaching and Learning Committee	Janet Goosney (Library)
Committee on Research	Lindsay Cahill (Chemistry) Allison Farrell (Library) Lesley James (Process Engineering) Pierre LeBlanc (Fine Arts)
Committee on Undergraduate Scholarships, Bursaries and Awards	Candemir Cigsar (Mathematics/Statistics)

20.2 Names of Senate Representation

The Committee on Elections, Committees and Bylaws has approved the following membership to Senate for a term commencing immediately and expiring on August 30, 2025.

<b>Name</b>	<b>Constituency</b>
Dr. Shegufta Shetranjiwalla	School of Science and the Environment-Grenfell Campus
Dr. Erin Fraser	School of Science and the Environment-Grenfell Campus
Dr. Edwin Bezzina	School of Arts and Social Science-Grenfell Campus
Dr. Sandra MacDonald	Faculty of Nursing

**REGULAR AGENDA**

21. Report of the Senate Committee on Undergraduate Studies

- 21.1 Senate received and reviewed background information pertaining to the Professional Suitability Regulations as presented by the Committee on Undergraduate Studies. Dr. Shannon Sullivan introduced and provided an overview of the regulations. Dr. Sullivan detailed there is a gap in regulations for professional programs with specific criteria. The new Professional Suitability Regulations will make small amendments revisions and aim to have the regulations consistent in all faculties. By a show of hands, the motion was moved by Dr. Peters, seconded by Dr. Sutherland and carried that Senate approved the Professional Suitability Regulations as outlined in the background documentation. Dr. Mark Hunter (Government representative) and Ms. Becky Smith (Library) abstained from the vote.

On page 42, of the 2022-2023 University Calendar under section 6 General Academic Regulations (Undergraduate) add new regulation as follows:

**“6.13 Professional Suitability**

**6.13.1 Principles**

Within the University community there is an individual and collective responsibility to maintain a high level of scholarly integrity. While professional programs across the University are unit specific, students enrolled in all professional programs must adhere to those principles and/or codes of ethics, which inform conduct suitable for their profession. Professional programs are found in the following Faculties/Schools at Memorial campuses:

- Business Administration
- Business Administration Program, School of Arts and Social Science,



#### Grenfell Campus

- Education
- Engineering and Applied Science
- Human Kinetics and Recreation
- Medicine
- Music
- Nursing, including all affiliated units
- Pharmacy
- Social Work

While each professional program has unique expectations of suitable conduct, there is agreement that students will conduct themselves with integrity, fairness, courtesy, and good faith in an honourable, equitable, respectful, and ethical manner towards others. In each of these professional programs, professionally suitable conduct is an academic expectation of registered undergraduate students. Each professional program is expected to make available to incoming students all documents related to professional suitability. Expectations of conduct suitable for the profession apply to students throughout their period of enrollment in their program including when enrolled, either part-time or full-time, in classes or practice-based learning settings (e.g., internships, practical laboratory sessions, work terms, clinical placements, and field placements), and when enrolled in the program but not currently registered in classes. These expectations apply to behaviours in structured learning, professional or public settings whether in-person or through various communication media and/or social media platforms.

Conduct unsuitable for the profession cannot be condoned or appear to be condoned. The focus of this professional suitability regulation is to foster professional conduct through increasing students' responsibility to know the importance of professional conduct and which actions are considered unsuitable (whether a single event or an ongoing pattern). Students are reminded that for guidance on conduct suitable for their profession they should refer to unit specific Professional Suitability Policies and Procedures, their professional regulatory bodies and/or their Codes of Ethics, other relevant guidelines or policies, and seek advice from faculty advisors and from their instructors. Further guidance on generally accepted standards of behaviour can also be found in the Student Code of Conduct.

While the intent of this regulation is to uphold professional suitability and respond to concerns of alleged unsuitable profession conduct, the University has a responsibility under law to accommodate students as defined in the Newfoundland and Labrador Human Rights Act. Furthermore, the intention of this regulation is not to prevent students from exercising their right to free speech with reasonable limitations as guaranteed by the Canadian Charter of Rights and

Freedoms.

### **6.13.2 Conduct Unsuitable for the Profession**

In the following section, the plural also includes the singular.

1. Conduct unsuitable for the profession
  - can be a single event or an ongoing pattern of unprofessional conduct.
  - can occur in-person and/or through various communication media and/or social media platforms.
2. Conduct unsuitable for the profession includes but is not limited to, the following:
  - Failure to follow relevant University/Faculty/School guidelines on ethics or codes of conduct.
  - Failure to follow relevant professional principles, including governing or regulatory principles and/or codes of ethics.
  - Failure to follow relevant unit specific professional suitability policies.
  - Examples of conduct unsuitable for the profession are:
    - Evidence of such conduct which, if participated in by a practicing professional, would result in suspension or expulsion from the practice of the profession or other such disciplinary actions available to the governing body of the profession;
    - Failure by the student to identify, avoid or remove themselves from a real perceived or potential conflict of interest relating to their professional judgement;
    - Dishonesty or untrustworthiness;
    - Falsification, forgery, fraud or misuse of any record or document, or through false statements or representations;
    - Harassment, or any threat, intimidation, or attempt to harm another person;
    - Behaviour which impedes the proper operation or placement/work-based settings;
    - Behaviour by the student that poses a risk to the health, safety or well-being of others;
    - Substance use that interferes with the student's ability to function within a professional context;
    - A pattern of inconsistent, unreliable or inappropriate behavior that negatively impacts others in a learning or study environment;

### **6.13.3 General Information Regarding Procedures for Resolution of Alleged Conduct Unsuitable for the Profession**

1. The procedures to address conduct unsuitable for the profession shall apply to all conduct relating to undergraduate studies, which occurred during a period when the student was enrolled in a professional program at the University.
2. All matters that are sexual in nature must be referred to the Sexual Harassment Office. If the Sexual Harassment Advisor believes, after consultation with relevant parties, that an allegation of conduct unsuitable for the profession based on sex, sexual orientation, gender identity or gender expression would be better handled under the Sexual Harassment and Sexual Assault Policy and Procedures, the Sexual Harassment Advisor will so advise.
3. Notification of an allegation of conduct unsuitable for the profession will be forwarded by the academic unit of the student to the official University email address of the student and/or to the last known mailing address of the student as noted on the files at the Office of the Registrar. The University reserves the right to begin proceedings under these procedures where an allegation has been made against a student but where reasonable efforts to contact the student are unsuccessful. The non-participation of a student in proceedings under this regulation is not an indication of guilt.
4. Individual academic units will provide early intervention initiatives to prevent potential unprofessional behaviours. Whenever appropriate, the principles of restorative justice will be used in determining the approach to resolving an allegation of conduct unsuitable for the profession.
5. Investigations of alleged conduct unsuitable for the profession will be conducted according to the procedures specific to each academic unit and determinations made based on a balance of probabilities. Information about procedures for investigations are made publicly available by each academic unit to their students.

As part of the procedures, each unit will create a review panel that has member assignment determined each year or created as need arises. The manner of formation of the review panel, the number of members, and who is to be included on the review panel will be determined by each unit.

6. Meetings and interviews stipulated in unit procedures related to this regulation will be held in person, or at a distance using telephone or other interactive technologies if in-person meetings are not possible.
7. A student can attend classes or other educational activities while an investigation by their academic unit is carried out unless there are legitimate concerns for the health and safety of the student, other students in the class, clients in a practice setting, instructors, staff, other members of the University community or the general public. The academic unit may put reasonable restrictions on participation in certain elements of a course or other educational activity to ensure health and safety. Removal of a student from a class or educational activity should be the last resort.

8. Although a student may be granted permission by the unit Dean or delegate to continue in a program of studies for a period of time while an investigation is being carried out by the unit, it is possible that there may be consequences to the student's progress during this process. In those situations, the University will take these consequences into account, as appropriate and to the extent feasible, in cases where the student is not found guilty of the allegation. The consequences arising from an investigation and any negative decision rendered may include retroactive effects on grades, participation in courses or promotion within a program.
9. A student accused of a conduct unsuitable for the profession has the right to meet with the review panel accompanied by a registered student or a member of the faculty or staff of the University. The student may also request to be accompanied by a support person who is not a student, faculty or staff, at the discretion of the review panel. Such requests shall not be unreasonably denied. The name and contact information of support people shall be provided to the designated unit person prior to the student's meeting with the review panel. The use or presence of a support person is not an indication of guilt.
10. Where an allegation of conduct unsuitable for the profession relates to research and the Tri-Agency Framework: Responsible Conduct of Research, as amended from time to time, the Framework applies. The procedures shall be applied in a manner consistent with the minimal requirements of the Framework.

#### **6.13.4 Governing Unit Procedures for Resolution of Alleged Conduct Unsuitable for the Profession**

1. If an allegation of conduct unsuitable for the profession has been made, the individuals involved will follow the Procedures for Resolution of Alleged Conduct Unsuitable for the Profession specific to their academic unit.
2. In all cases, it is the responsibility of the academic unit to ensure fairness and impartiality in the treatment of students.
3. The Unit Procedures must identify the need for co-ordination between units and other University procedures (e.g., Student Life, Sexual Harassment Office, Academic Misconduct Procedures, etc.), as necessary and appropriate, in situations where the same conduct is the subject matter of the complaint or concern under more than one policy, procedure or regulation.
4. The principles of restorative justice between accuser and accused will be used at the academic unit level to determine the most suitable approach to resolving particular issues. Students are accountable to the people and communities harmed by their conduct and whenever possible will be given the opportunity to participate in the resolution of their impacts. Restorative justice interventions may be used independently or in combination with

other procedures and policies for any single offence.

5. When it is determined that informal resolutions are not possible, more formal procedures and outcomes may apply.

#### **6.13.5 Outcomes in the Case of Confirmation of Conduct Unsuitable for the Profession**

1. A student who has been found guilty of conduct unsuitable for the profession will be subject to outcomes commensurate with the conduct as determined by the unit.
2. Some situations may warrant more than one outcome for the same conduct. Previous conduct unsuitable for the profession or multiple violations will be considered in determining the severity of outcomes.
3. Outcomes will be assessed according to the Promotion Regulations of the academic unit, including promotion and continued enrollment in the program.
4. The range of outcomes and their determination will correspond with the offense and include but are not limited to:
  - i) Demonstration of accepting accountability towards the person(s) or group(s) affected by the conduct unsuitable for the profession.
  - ii) Reprimand in the nature of a warning by the head of the academic unit to the student that the student's behaviour has been unacceptable to the University.
  - iii) Resubmission of work with appropriate reduction in grade.
  - iv) Completion of a remediation program or other training.
  - v) Repetition of all or part of a practice-based learning experience (e.g., internships, practical, laboratory sessions, work terms, clinical placements, and field placements).
  - vi) Reduction of the grade applied to an examination, test, assignment, or course to which conduct unsuitable for the profession is relevant, and will be decided by the head of the unit.
  - vii) Removal from a course or practice-based learning setting.
  - viii) Removal from the professional program for a determined period of time.
  - ix) Removal from the professional program with the opportunity to be considered for admission as a new applicant to the program.
  - x) Removal from the professional program with no opportunity to be considered for admission to the program in the future.

#### **6.13.6 Disposition of Documentation**

1. All records will be handled in accordance with the University's Retention and Disposal Schedules, Information Management Policy, and other related laws, policies and regulations.
2. When a student is removed from a professional program:
  - i. a brief description of the conduct unsuitable for the profession and the outcome(s) applied shall be forwarded by the head of the academic or administrative unit to be retained by the Office of the Registrar, separate from the student files.
  - ii. the Registrar's Office will be notified, and will include the appropriate notation on the student's transcript.

#### **6.13.7 Appeals Against Decisions of the Academic Unit**

1. All records will be handled in accordance with the University's Retention and Disposal Schedules, Information Management Policy, and other related laws, policies and regulations.
2. When a student is removed from a professional program:
  - i. a brief description of the conduct unsuitable for the profession and the outcome(s) applied shall be forwarded by the head of the academic or administrative unit to be retained by the Office of the Registrar, separate from the student files.
  - ii. the Registrar's Office will be notified, and will include the appropriate notation on the student's transcript."

- 21.2 Senate received and reviewed proposed calendar changes for the Bachelor of Science Joint Honours in Mathematics and Physics and the Bachelor of Science Joint Major in Mathematics and Statistics. Dr. Shannon Sullivan presented the proposed calendar changes. It was moved by Dr. Warren, seconded by Dr. Haghiri. The proposed calendar changes are as follows:

On page 200 of the 2022-2023 University Calendar under section 7.5.6 Bachelor of Science with Joint Major in Mathematics and Physics add the following new course descriptions:

"This joint major covers the essential undergraduate topics in both mathematics and physics.

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 10 Bachelor of Science with Joint Major in Mathematics and Physics**.
- A student must complete Core Program Requirements as outlined under **School of Science and the Environment Core Program Requirements**.
- A minor is not required for this program. However, courses used to complete the requirements of this joint major may be used to meet the requirements of

a minor in a different subject area, excluding a minor in Science. Options for a minor will be limited due to the number of credit hours required to complete the joint major.

- A student completing the requirements of this joint major may not use the same courses to complete a major in General Science.

**Table 10 Bachelor of Science with Joint Major in Mathematics & Physics**

Required Courses	Elective Courses
Courses as outlined under the <b>School of Science and the Environment Core Program Requirements.</b>	Elective courses to make up the total of 120 credit hours.
<ol style="list-style-type: none"> <li>1. 3 credit hours in a computer programming course. Computer Science 1001 is recommended.</li> <li>2. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2260, 2320, 3000, 3132, 3202.</li> <li>3. Physics 1050, 1051, 2053, 2056, 2820, 3060, 3061, 3220, 3400, 3650, 3820, 4100, 4880.</li> <li>4. 9 further credit hours in Mathematics and Statistics at the 3000 level or higher, including 3 credit hours at the 4000 level.</li> <li>5. Either Mathematics 4950 or Physics 4950.</li> </ol>	<ul style="list-style-type: none"> <li>• If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from Table 19 Minor Programs Offered by the School of Arts and Social Science, or from Table 7 Minor Program Offered by the School of Fine Arts, or from Table 10 Minor Programs Offered by the School of Science and the Environment.</li> </ul>

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On page 204 of the 2022-2023 University Calendar under section 8.12 Joint Honours in Mathematics and Physics (B.Sc) add the following new section:

**“8.12 Joint Honours in Mathematics and Physics (B.Sc.)**

The Joint Honours Bachelor of Science degree in Mathematics and Physics offers a greater concentration in each discipline and also requires a higher level of academic achievement than is required for the completion of a general degree. The Joint Honours degree in Mathematics and Physics at Grenfell Campus is a 120 credit hour program normally requiring a minimum of four years for completion (see **Honours Degrees**).

**8.12.1 Course Requirements for Joint Honours in Mathematics and Physics (B.Sc.)**

Students must meet the General Regulations for the Grenfell Campus Bachelor of Science degree. Students must also successfully complete:

1. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2260, 2320, 3000, 3132, 3202, 3320.
2. Physics 1050, 1051, 2053, 2056, 2400, 2820, 3060, 3061, 3220, 3230, 3250, 3400, 3650, 3820, 4100, 4880.
3. Twelve additional credit hours in Mathematics at the 3000 level or higher, of which at least six credit hours must be at the 4000 level or higher.
4. Three credit hours in a computer programming course. Computer Science 1001 is recommended.
5. A two-semester honours project, either Mathematics 495A/B or Physics 495A/B.

In order to be considered for graduation with an Honours degree, the candidate must satisfy the regulations regarding **Academic Standing** as specified under **Honours Degrees**.

### **8.12.2 Honours Thesis for Joint Honours in Mathematics and Physics (B.Sc.)**

The Honours project sequence (Mathematics 495A/B or Physics 495A/B) involves the production of an Honours thesis. This thesis will be evaluated by the thesis supervisor and an additional faculty member selected by mutual consent of the candidate and the supervisor.”

On page 161 of the 2022-2023 University Calendar under section 3 Grenfell Campus Description amend as follows:

**“3 Grenfell Campus Description**  
[www.grenfell.mun.ca](http://www.grenfell.mun.ca)

Grenfell Campus, ...

Four-year... the Bachelor of Science joint major and joint honours are available in Mathematics and Physics. The University's four-year Bachelor of Science in Nursing degree is offered in conjunction with the Western Regional School of Nursing in Corner Brook. Bachelor of Fine Arts degrees are conferred in Theatre and Visual Arts. These programs differ from those offered on the St. John's Campus and many are available only at the Grenfell Campus. Grenfell Campus also offers graduate programs in boreal ecosystems and agricultural science, environmental policy, management, applied geomatics, transdisciplinary sustainability, and visual arts. For information regarding graduate programs see the School of Graduate Studies at [www.mun.ca/sgs](http://www.mun.ca/sgs).”



On page 165 of the 2022-2023 University Calendar under section 5.1.7 Science Degree amend as follows:

Bachelor of Science ...  
general degrees with Majors in **Computational Mathematics, Environmental Science** (Biology or Chemistry), **General Science**, and **Physics**, and a Joint Major in **Mathematics and Physics**. The School of Arts and Social Science offers the Bachelor of Science with Major in Psychology which follows the regulations of that School.”

On page 174 of the 2022-2023 University Calendar under section 6.4 Admission/Readmission Regulations for Programs Offered by the School of Science and the Environment delete item number 3 in its entirety.

On page 170 of the 2022-2023 University Calendar under section 6.4.1.2 Transfers from Other Post-Secondary Institutions, amend item number 2 as follows:

“2. Transfer credit cannot be awarded for the following courses: Environment and Sustainability 2200, 2201, 4950, 4960.”

On page 170 of the 2022-2023 University Calendar under section 6.4.2.2 Transfers from Other Post-Secondary Institutions, amend item number 2 as follows:

“2. Transfer credit cannot be awarded for the following courses: Environmental Science 4000, 4950, 4951, 4959; Mathematics 4950, 495A/B; Physics 4100, 4880, 4950, 495A/B; Science 4000, 4950.”

On page 193 of the 2022-2023 University Calendar under section 7.5 School of Science and the Environment amend as follows:

“The School of Science and the Environment offers the following degrees: the Bachelor of Environment and Sustainability with **Majors in Environmental Studies or Resource Management**; Bachelor of Science general degrees with Majors in **Computational Mathematics, Environmental Science, General Science**, and **Physics**; and a Bachelor of Science Joint Major in **Mathematics and Physics**.

A Bachelor of Science (Honours) degree is available in **Environmental Science**, as well as a Joint Honours in **Mathematics and Physics**.”

On page 202 of the 2022-2023 University Calendar amend section 8 Honours Degrees as follows:

“... An Honours degree of Bachelor of Arts is available in English and Psychology. The Honours Degree of Bachelor of Science is available in Environmental Science and Psychology, and a Joint Honours Bachelor of Science is available in Mathematics and Physics.

An Honours Bachelor of Business Administration signifies superior academic achievement.

### **8.1 Admission and Registration for Honours Bachelor of Arts or Bachelor of Science Degrees**

1. Admission ... For a Joint Honours degree, approval must be obtained from both Program Chairs.

A student who wishes to enter an honours program is strongly advised to consult the Program Chair(s) at the earliest possible date, as it may not be possible to complete the requirements for the degree in the normal time if the decision to embark on the program is delayed beyond the end of the second year.

2. Students who have been awarded the General Degree of Bachelor of Arts or Bachelor of Science at Grenfell Campus may convert it to an Honours Degree of Bachelor of Arts or Bachelor of Science by following procedure outlined in 1. above.
3. Before registering for any semester or any session, students are strongly advised to consult with the Program Chair(s) on their choice of courses. Failure to comply with this requirement may result in denial of access to certain courses.”

On page 202 of the 2022-2023 University Calendar under section 8.3 Course Requirements for Honours Bachelor of Arts or Bachelor of Science Degrees amend as follows:

“Students for the Honours Degree of Bachelor of Arts or Bachelor of Science shall complete a program of studies which shall consist of not fewer than 120 credit hours subject to the following regulations:

1. All students... or the Joint Honours in Mathematics and Physics).
3. Further courses shall be chosen:
  - a. either
    - i. a minimum 60 credit hours in the major and, where applicable, not fewer than 24 credit hours in the minor, or

- ii. for a Joint Honours program, not fewer than 84 credit hours in the major subjects, including not fewer than 36 credit hours in each of the major subjects; and
- b. courses to make up a minimum of 120 credit hours, other than those required for the Core Program, major and minor, shall be chosen as follows:
  - i. any courses in Arts, Science, Social Science and Fine Arts
  - ii. up to 15 credit hours in other subject areas.”

On page 203, under 8.7 Academic Standing for Honours Bachelor of Arts or Bachelor of Science Degrees amend the following:

“In order to be considered...

1. A grade ... Chair(s) and the relevant Committee on Student Academic Affairs. The Honours thesis or dissertation may not be repeated or substituted. A grade of 70% or better must be obtained in the Honours dissertation; and

#### **8.7.1 Classification of Degrees**

1. If a ... subject(s).
3. No classification will be given to the degree awarded a student who has successfully completed fewer than one half of the courses required for the degree at this University.”

On page 224 of the 2022-2023 University Calendar under section 13.21 Mathematics and Statistics, add the following new course:

“**495A/B Honours Project in Mathematics** is a two-semester course that requires the student, under the supervision of a faculty member, to prepare a dissertation in an area of mathematics. In addition to a written project, an oral presentation will be given by the student at the end of the second semester.

CH: 6

PR: Permission of the Program Chair and admission to an honours program”

On page 226 of the 2022-2023 University Calendar under section 13.23 Physics add the following new course:

“**495A/B Honours Project in Physics** is a two-semester course that requires the student, under the supervision of a faculty member, to prepare a dissertation in an area of physics. In addition to a written project, an oral presentation will be given by the student at the end of the second semester.

CH: 6

PR: Permission of the Program Chair and admission to an honours program

22. OTHER BUSINESS

There was no other business discussed.

23. ADJOURNMENT

It was moved by Dr. George, seconded by Dr. Sutherland and carried that the meeting of Senate be adjourned at 4:30 p.m.

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CHAIR

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SECRETARY