McGill

Report of the
Academic Policy Committee D19-11 – Part A

495th REPORT OF THE ACADEMIC POLICY COMMITTEE TO SENATE – Part A
on the APC meeting held on October 31st, 2019

I. TO BE APPROVED BY SENATE

(A) NEW TEACHING PROGRAMS REQUIRING SENATE APPROVAL – *none*

School of Continuing Studies
Professional Development Certificate in Applied Artificial Intelligence (29-30 CEUs) – *Appendix B*
APC approved, at its meeting of October 31st, 2019, reviewed and approved a proposal from the School of Continuing Studies to create a new Professional Development Certificate in Applied Artificial Intelligence. This non-credit program will the needs of professional who wish to further expand and depend their skills in application of machine learning and artificial intelligence.

APC therefore recommends that Senate approve the following resolution:

Be it resolved that Senate approve the proposed Professional Development Certificate in Applied Artificial Intelligence (29-30 CEUs)

(A) ACADEMIC PERFORMANCE ISSUES / POLICIES / GOVERNANCE/AWARDS– *none*

(B) CREATION OF NEW UNITS / NAME CHANGES / REPORTING CHANGES – *none*

(C) CHANGES IN DEGREE DESIGNATION – *none*

(D) INTER-UNIVERSITY PARTNERSHIPS – *none*

(E) OTHER – *none*

II. TO BE ENDORSED BY SENATE / PRESENTED TO SENATE FOR DISCUSSION – *none*

III. APPROVED BY APC IN THE NAME OF SENATE

(A) DEFINITIONS – *none*

(B) STUDENT EXCHANGE PARTNERSHIPS / CONTRACTS / INTERUNIVERSITY PARTNERSHIPS

Office of the Deputy Provost
At its meeting of October 31st, 2019, APC reviewed and approved student exchange partnerships:

- With the Vancouver Island University – *Faculty of Arts* – Canada
- With the Macquarie University – Australia

(C) OTHER – *none*

IV. FOR THE INFORMATION OF SENATE

A) ACADEMIC UNIT REVIEWS – *none*

B) APPROVAL OF COURSES AND TEACHING PROGRAMS

1. Programs

a) APC Approvals (new options/concentrations and major revisions to existing programs)

i. New Programs- *none*

ii. Major Revisions of Existing Programs - *none*

b) APC Subcommittee on Courses and Teaching Programs (SCTP) Approvals
(Summary Reports: http://www.mcgill.ca/sctp/documents/)

i. Moderate and Minor Program Revisions
Approved by SCTP on October 10th, 2019 and reported to APC on October31st, 2019

School of Continuing Studies
Professional Development Certificate in Executive Production in Creative Industries (26 CEUs)

ii. Program Retirements – *none*

2. Courses

a) New Courses
Reported as having been approved by SCTP October 10th, 2019: 10
School of Continuing Studies: 10

b) Course Revisions
Reported as having been approved by SCTP October 10th, 2019: 14
Faculty of Agricultural and Environmental Sciences: 8
School of Continuing Studies: 2
Faculty of Medicine: 4

c) Course Retirements – *none*

3. Other

McGill

New Program/Major or Minor/Concentration Proposal Form

(2017)

1.0 Degree Title
Please specify the two degrees for concurrent degree programs

Professional Development Certificate

1.1 Major (Legacy= Subject)(30-char. max.)

Applied Artificial Intelligence

1.2 Concentration (Legacy = Concentration/Option)
If applicable to Majors only (30 char. max.)

1.3 Minor (with Concentration, if Applicable) (30 char. max.)

2.0 Administering Faculty/Unit

School of Continuing Studies

Offering Faculty/Department

SCS/Career and Professional Development

3.0 Effective Term of Implementation
(Ex. Sept. 2004 = 200409)
Term

842001

4.0 Rationale for new proposal

Building on the success of the professional development certificate program in Data Science and Machine Learning, SCS is proposing to introduce a more advanced level program - PDC in Applied Artificial Intelligence - to address the needs of professionals who wish to further expand and deepen their knowledge and practical skills in application of machine learning and artificial intelligence.
Advanced Python programming skills.
Admission requirements – see next page.

5.0 Program Information
Please check appropriate box(es)

5.1 Program Type

- ☐ Bachelor's Program
- Master's
- ☐ M.Sc. (Applied) Program
- ☐ Dual Degree/Concurrent Program
- ☐ Certificate
- ☐ Diploma
- ☐ Graduate Certificate
- ☐ Graduate Diploma
- ☐ Ph.D. Program
- ☐ Doctorate Program (Other than Ph.D.)
- ☐ Private Program
- ☐ Off-Campus Program
- ☐ Distance Education Program (By Correspondence)
- ☒ Other (Please specify)

Professional Development Certificate

5.2 Category

- ☐ Faculty Program (FP)
- ☐ Major
- ☐ Joint Major
- ☐ Major Concentration (CON)
- ☐ Minor
- ☐ Minor Concentration (CON)
- ☐ Honours (HON)
- ☐ Joint Honours Component (HC)
- ☐ Internship/Co-op
- ☐ Thesis (T)
- ☐ Non-Thesis (N)
- ☐ Other
  Please specify

5.3 Level

- ☐ Undergraduate
- ☐ Dentistry/Law/Medicine
- ☒ Continuing Ed (Non-Credit)
- ☐ Collegial
- ☐ Masters & Grad Dips & Certs
- ☐ Doctorate
- ☐ Post-Graduate Medicine/Dentistry
- ☐ Graduate Qualifying
- ☐ Postdoctoral Fellows

5.4 FQRSC (Research) Indicator
(for GPS) Yes ___ No ___

5.5 Requires Resources
Yes ___ No _X_

6.0 Total Credits/CEUs

29 – 30 CEUs

7.0 Consultation with
Related Units Yes **X** No
Financial Consult Yes No **X**
Attach list of consultations.

Program Admission Requirements:

McGill's School of Continuing Studies Professional Development Certificate in Data Science and Machine Learning;

OR

A minimum of a Bachelor's (or higher) degree or equivalent in one of the following areas: Engineering, Computer Science, Software Engineering, Mathematics, Physics, Statistics or a related discipline;

As well as

Prior experience in Machine Learning and strong programming skills in Python. Applicants must complete:

- An online Skills Assessment Test in Machine Learning & Python
  or
- YCBS 255 Statistical Machine Learning course

Note:
Applications from mature students (21 years of age or older) who do not meet the above criteria but have extensive and relevant experience in software development, machine learning, data science, and have previously completed relevant coursework in calculus, statistics, machine learning will be evaluated on a case by case basis.

8.0 Program Description (Maximum 150 words)

This practical non-credit professional development certificate program is designed to equip professionals with actionable industry-relevant knowledge and skills required to be fully functional data scientists and AI developers. The program aims to develop the skills required to evaluate, design, develop and improve AI algorithms through hands-on projects and problem solving. Participants are expected to develop a portfolio of AI projects during the course of the program.

The program is offered in English and must be completed within 2 years.

9.0 List of proposed program for the New Program/Major or Minor/Concentration.

If new concentration (option) of existing Major/Minor (program), please attach a program layout (list of all courses) of existing Major/Minor.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight under the headings of: Required Courses, Complementary Courses, Elective Courses)

Professional Development Certificate in Applied Artificial Intelligence (29-30 CEUs)

Required Courses (12 CEUs)
YCNG 228 Predictive & Classification Modelling (6 CEUs)
YCNG 229 Neural Networks & Deep Learning (6 CEUs)

Complementary Courses (17-18 CEUs)
YCNG 230 Intelligent Agents & Reinforcement Learning (6 CEUs)
YCNG 231 Deep Learning for Computer Vision (6 CEUs)
YCNG 232 Natural Language Processing Fundamentals (6 CEUs)
YCNG 233 Time Series Analysis Fundamentals (6 CEUs)
YCNG 234 Internet of Things (5 CEUs)
YCNG 235 Recommender Systems (6 CEUs)

Attach extra page(s) as needed

10.0 Approvals

Routing Sequence	Name	Signature	Date
Department	Inna Popova, Director, CPD Non-Cr Pr.		28 Aug 2019
Curric/Acad Committee	Carmen Sicilia. Associate Dean		Sept. 3/19.
Faculty 1	Nabil Beitinjaneh, Faculty Lecturer		28 Aug 2019
Faculty 2	Carola Weil. Dean of Continuing Studies		28 Aug 2019
Faculty 3			
SCTP	SCTP APPROVED		Oct. 24, 2019
GS			
APPC		Approved by APC	Oct, 31st, 2019
Senate		Approved by Senate	Nov 21st, 2019

Submitted by

Name	Lucia Brunetti
Phone	514-398-6152
Email	Lucia.Brunetti@mcgill.ca
Submission Date	06 August 2019

To be completed by ARR:

CIP Code

10 October 2019

New Program Proposal
Non-Credit Professional Development Certificate
in Applied Artificial Intelligence

Continuing Education Units: 29-30 CEUs depending on individual course selection

PROGRAM RATIONALE

According to the Gartner 2019 CIO Survey, the number of enterprises implementing artificial intelligence (AI) grew 270 percent in the past four years and tripled in the past year. The survey also showed that organizations across all industries use AI in a variety of applications, but struggle with acute digital talent shortages. Building on the success of the current PDC program in Data Science and Machine Learning, the SCS proposes to create a more advanced level program - PDC in Applied Artificial Intelligence - to address industry needs for digital talent, and to help professionals who have already completed the PDC in Data Science and Machine Learning, to expand and deepen their practical skills in machine learning and artificial intelligence.

PROGRAM DESCRIPTION

This practical program is designed to equip professionals with actionable industry-relevant knowledge and skills required to be fully functional data scientists and AI developers. The program aims to develop the skills required to evaluate, design, develop and improve AI algorithms through hands-on projects and problem solving. Participants are expected to develop a portfolio of AI projects during the course of the program.

The program is offered in English and must be completed within 2 years.

LEARNING OBJECTIVES:

Upon completion of this program, you should be able to:

- Evaluate and select the appropriate algorithm or model to solve an AI problem
- Analyze errors and design strategies to solve them
- Integrate recent advancements in machine learning and artificial intelligence in the data analysis process
- Apply advanced strategies and methods to optimize machine learning models
- Design and construct software systems that implement machine learning models and artificial intelligence algorithms.

WHO SHOULD ATTEND

Professionals who have already completed McGill's School of Continuing Studies Professional Development Certificate in Data Science and Machine Learning and who are seeking to take their machine learning skills to the next level. Software developers with prior experience in data science, machine learning and strong programming skills in Python.

PROGRAM ADMISSION REQUIREMENTS

Applicants must hold:

McGill's School of Continuing Studies Professional Development Certificate in Data Science and Machine Learning.

OR

A minimum of a Bachelor's (or higher) degree or equivalent in one of the following areas: Engineering, Computer Science, Software Engineering, Mathematics, Physics, Statistics or a related discipline;

As well as

Prior experience in Machine Learning and strong programming skills in Python. Applicants must complete:

- An online Skills Assessment Test in Machine Learning & Python
  Or
- YCBS 255 Statistical Machine Learning course

Note:

Applications from mature students (21 years of age or older) who do not meet the above criteria but have extensive and relevant experience in software development, machine learning, data science, and have previously completed relevant coursework in calculus, statistics, machine learning will be evaluated on a case by case basis.

10 October 2019

PROGRAM STRUCTURE

To allow professionals the flexibility of personalizing their learning by selecting the specialization they prefer to focus on, the program consists of 5 courses: **2 required and 3 complementary.**

2 REQUIRED COURSES:

YCNG 228 Predictive & Classification Modelling

35 ours + min 25 hours of assignments = 6 CEUs

Pre-requisites: Machine Learning/Python Skills Assessment Test in or YCBS 255

Rationale:

Predictive modeling is a process that uses data and statistics to predict outcomes using data models. These models are used to detect fraud, optimize marketing campaigns, reduce risk, manage resources and improve operations. This course will familiarize students with how to interpret the output of machine learning models and how to design experiments to optimize resources.

Description:

Hypotheses testing by using different techniques; design of experiments; using machine algorithms to evaluate the output of different machine learning models; methods to increase precision and/or accuracy.

YCNG 229 Neural Networks & Deep Learning

35 hours + min. 25 hours of assignments = 6 CEUs

Pre-requisite course: YCNG 228

Rationale:

Artificial neural networks are a set of algorithms, inspired by the way the human brain processes information, which are designed to recognize patterns. Deep learning is one of machine learning methods based on artificial neural networks. Neural networks and deep learning offer the most powerful techniques to deal with different aspects of data science such as natural language processing, computer vision and time series analysis. Building on the knowledge and skills acquired during YCBS 258 Practical Machine Learning course, this course will focus on the practical application of neural network models with the objective to develop students' ability to implement them using Python and Keras.

Description:

Neural network models, the most common architectures and their use in different domains; practical application of neural network models and their implementation using Python and Keras; end to end application of deep learning, including learning workflow; parallel hyperparameter search; hyperparameter configuration; mixed architectures combining several models; semi supervised learning; reinforcement learning agents.

PLUS

ANY 3 COMPLEMENTARY COURSES FROM THE FOLLOWING:

YCNG 230 Intelligent Agents & Reinforcement Learning

35 hours + min. 25 hours of assignments = 6 CEUs

Pre-requisite courses: YCNG 228 & 229

Rationale:

Intelligent agents are programs that can be applied to autonomously solve real-world optimization and planning problems, as well as help deal with incomplete information or uncertain environments. Reinforcement Learning is an approach to build goal-oriented intelligent agents, which help find strategies to optimize a desired outcome.

Description:

Development of intelligent agents using different techniques, algorithms and approaches. Design and implementation of systems that exhibit intelligent behaviour through an end-to-end project. Practical application of the most current programming tools, search methods, knowledge representation using logic and probability, planning and decision making under uncertainty and constraint satisfaction problems. Reinforcement learning fundamentals including design of intelligent agents and integration with deep learning.

YCNG 231 Deep Learning for Computer Vision

30 Hours + 30 hours of assignments = 6 CEUs

Pre-requisite courses: YCNG 228 & 229

Rationale:

Computer vision is one of the fields of study, which has benefited tremendously from the latest advancements in artificial intelligence. Computer vision is concerned with helping machines learn to "see" and understand the context of their environment. It involves acquiring, processing, transforming, modifying, analyzing and understanding digital images or videos. The result is the extraction of data needed to understand the content of digital images, infer something from the environment, thus allowing complex decisions to be made.

Description:

Computer vision from acquisition of image data to complex decision-making using deep learning methods and techniques. Image acquisition through sensors; feature detection; image classification, detection, segmentation. Convolutional Neural Networks (CNN) architectures and their applications. Most current computer vision applications, libraries and image databases will be explored.

YCNG 232 Natural Language Processing (NLP) Fundamentals

30 Hours + 30 hours of assignments = 6 CEUs

Pre-requisite course: YCNG 228 & 229

Rationale:

Natural Language Processing (NLP) is a subfield of artificial intelligence concerned with the ability of computers to process, understand and interpret human languages. Deep learning has revolutionized NLP by improving many aspects of the field since its transition from classic linguistic approaches.

Description:

Overview of Natural Language Processing fundamentals such as language models, word embedding's, Recurrent Neural Networks (RNNs), wide variety of applications of neural networks in NLP, intrinsic and extrinsic evaluation, most current NLP tools.

YCNG 233 Time Series Analysis Fundamentals

30 hours + 30 hours of assignments = 6 CEUs

Pre-requisite courses: YCNG 228 229

Rationale:

Time series is an area of machine learning concerned with the analysis of series of data points ordered in time. Time series analysis is used in many fields to predict trends: from industrial machinery data, smart home, precision agriculture, cyber security, customer usage/engagement, marketing, asset management, finance, etc. Due to the temporal aspect of the data, time series data require specific preprocessing, feature engineering, algorithms, and validation strategy.

Description:

Fundamentals of applying artificial intelligence techniques on time series data, statistical, machine and deep learning models for time series. Emphasis is placed on the main applications of time series analysis: forecasting, clustering and anomaly detection. Data science techniques applicable to time series. Deep learning methods, rolling predictions, online learning, backtesting.

YCNG 234 Internet of Things

30 hours + 20 hours of assignments = 5 CEUs

Pre-requisite: Intermediate level of programming skills in Python.

Rationale:

The Internet of Things (IoT) is an important source of relevant data for different industries. The Internet of Things is an important source of relevant data for different industries. It permits to collect and process information about the physical world in real time. This course will examine applications of IoT, the fundamental technologies that support IoT devices and the transmission, processing, and analysis of the data they generate.

Description:

Introduction to the Internet of Things (IoT) and its applications; fundamental software and hardware technologies that support IoT devices; data transmission protocols; tools to process the data generated by IoT devices; data analysis techniques that enable common applications related to IoT devices.

YCNG 235 Recommender Systems

30 Hours + 30 hours of assignments = 6 CEUs

Pre-requisite course: YCNG 228 & 229

Rationale:

Have you ever wondered how the message: "Customers like you also purchased the following items..." appears on your screen when you are shopping online? Recommender Systems use machine learning algorithms that help users discover new products

and services. Amazon, for example, attributes an estimated 35% of sales to their recommender system. There exists a wide spectrum of recommender systems applications that help users choose movies, restaurants, music to listen to, jobs to apply to, products to purchase, social media profiles, among many others.

Description:

Fundamental concepts and techniques in recommender systems: similarity models, non-personalized, content-based, and hybrid systems; association rules mining; collaborative filtering: user-, item-, and graph-based models; matrix factorization; graph recommenders, sequential recommenders, evaluation of recommender systems.

McGILL UNIVERSITY **SENATE**

Memorandum

Office of the Provost and Vice-Principal (Academic)
James Administration Building, Room 504
Tel: 514-398-4177 | Fax: 514-398-4768

TO:	Senate
FROM:	Professor Christopher Manfredi, Provost and Vice-Principal (Academic) and Chair of the Academic Policy Committee
SUBJECT:	Annual Report of the Academic Policy Committee (2018-19)
DATE:	November 8, 2019
DOCUMENT #:	D19-11
ACTION REQUIRED:	☒ INFORMATION ☐ APPROVAL/DECISION

ISSUE	Presentation of the annual report of the Academic Policy Committee (the "APC") on the APC's activities for 2018-2019 and statement of its plans and priorities for 2019-2020, as required by Senate.
BACKGROUND & RATIONALE	As a standing committee of Senate, the APC is required to report annually to Senate on its activities of the past year and its plans and priorities for the upcoming year. The APC also presents regular reports at each Senate meeting. Full summaries of approval items can be found on APC's webpage: http://www.mcgill.ca/apc/approvals.
PRIOR CONSULTATION	APC
SUSTAINABILITY CONSIDERATIONS	N/A
IMPACT OF DECISION AND NEXT STEPS	A report is presented to Senate annually. APC regularly submits a report on its activities to Senate, in the normal course of the governance year.
MOTION OR RESOLUTION FOR APPROVAL	This item is presented for information.
APPENDICES	Appendix A: Academic Policy Committee Annual Report 2018/2019

McGill University
Academic Policy Committee

Annual Report 2018/2019

Academic Policy Committee - Terms of Reference

The Academic Policy Committee ("the Committee") is a Standing Committee of Senate charged with making recommendations to Senate on all matters regarding academic policy. In particular, it shall, for the University and in consultation with Faculties, develop proposals for the establishment and continuous review of academic programs, policies and structures, and proposals relating to teaching, learning, and research. The Committee may create subcommittees or working groups to deal with issues as appropriate.

The Committee shall review academic course and program proposals in order to determine whether they meet academic standards and are aligned with the academic mission and priorities of the University, whether they are based on an adequate body of knowledge, whether proposed teaching or learning methods and methods of evaluation of student performance are satisfactory, and whether the necessary human and material resources are in place.

Membership in 2017/2018

Provost, *Chair*	C. Manfredi	*Ex-officio*
Associate Provost Equity and Academic Policies, *Vice Chair*	A. Campbell	*Ex-officio*
Deputy Provost (Student Life and Learning) Chair, Subcommittee on Courses and Teaching Programs (SCTP) Chair, Subcommittee on Teaching and Learning (STL)	F. Labeau	*Ex-officio*
Associate Provost, Graduate Education Dean, Graduate and Postdoctoral Studies Chair, Council of Graduate and Postdoctoral Studies (CGPS)	J. Nalbantoglu	*Ex-officio*
Associate Vice-Principal (Research and International Relations)	N. Ross	*Ex-officio*
Dean of Continuing Studies	C. Weil	*Ex-officio*
Dean of Libraries or delegate	C. Cook/C. Urbain	*Ex-officio*
Director, Teaching and Learning Services (TLS)	L. Winer/ A. Finkelstein	*Ex-officio*
Board of Governors representative	S. McDougall	2019

Faculty representatives:		
Faculty of Agricultural and Environmental Sciences	P. Rohrbach	2020
Faculty of Arts	M. Smith	2021
Faculty of Dentistry	M. Kaartinen	2020
Faculty of Education	M. Carter	2020
Faculty of Engineering	D. Lowther	2020
Faculty of Law	M. Antaki	2020
Desautels Faculty of Management	E. Sarigöllü	2019
Faculty of Medicine	D. Bernard	2020
Schulich School of Music	I. Cossette	2021
Faculty of Science	A. Hundermer	2021
Students:		
SSMU Vice-President, University Affairs	O. Abdul-Rahman	2019
Undergraduate Student	J. Shapiro	2019
Undergraduate Student	M Jennings	2019
Graduate Student	D. Rogers/TBD	2019
MacDonald Campus Student representative	S. Joshi	2019
Continuing Education Student	R. Louisa	2018
Voice but no vote:		
University Registrar and Director of Enrolment Services	G. Nycum	*Ex-Officio*
Secretary:		
Academic Program Officer	J. Degans/Y. Jouhari	*Ex-officio*

A. Summary of 2018-2019 activities

Meeting dates: September 20th, 2018; October 25th, 2018; November 15th, 2018; December 13d, 2018; February 14th, 2019; March 14th, 2019; April 11th, 2019; May 9th, 2019.

Full annual summaries on APC's activities and SCTP/CGPS/APC/Senate/Board approvals (with all reference details) can be consulted at: https://www.mcgill.ca/apc/approval-summaries

1. Course and teaching program approvals:

	2019-2020	*2017-2018*	*2016-2017*	*2015-2016*
New programs	20	23	39	24
Program retirements	41	43	25	16
Major program revisions	20	13	7	9

Minor program revisions	164	174	263	92
New courses	205	243	301	186
Revised courses	419	370	486	319
Course retirements	57	62	113	121

2. International Education: student exchange programs (approved by APC)

On October 25th, 2018, APC reviewed and approved:

- Three faculty-specific exchange agreements, as follows:
  - between the Faculty of Engineering and École Polytechnique, Université Paris-Saclay (Paris, France)
  - between the Faculty of Engineering and Aristotle University (Thessaloniki, Greece)
  - between the Faculty of Engineering and University of Haifa (Haifa, Israel)

On March 14th, 2018, APC reviewed and approved:

- One faculty-specific exchange agreements, as follows:
  - between the Schulich School of Music and Central Conservatory of Music (Beijing, China)
  - between the Faculty of Engineering INSA Rouen (Normandie, France)

3. Policies and standards

APC reviewed and approved the following:

- Guidelines for Developing a Service Portfolio for Librarians on October 25th, 2018
- International Education: Students exchanges, Approval process – revised on December 13th, 2018
- Regulation on The Conduct of Research on December 13th,2018
- Professional Development Certificate Definition – revised on May 9th, 2019

4. Academic Entities

New entities: 1

- The Creation of the Institute of Health Sciences Education (Faculty of Medicine) was approved December 13th, 2018.

Name change: 2

- Renaming of the Department of Ophthalmology to Department of Ophthalmology and Visual Sciences was approved by APC on October 25th, 2018.
- Renaming of the Département de langues et littératures françaises to Département des littératures de langue française, de traduction et de création was approved by APC on December 13th, 2018.

5. Academic Unit Reviews

In accordance with McGill's Regulations on Cyclical Academic Unit Reviews, the documents pertaining to the following unit reviews were made available to APC:

- Office of Investment
- Student Housing & Hospitality Services
- Medical Physics Unit
- Department of Art History & Communication Studies
- Department of Linguistics
- Biomedical Ethics Unit
- Département de langue et littérature françaises
- McGill School of Environment (Dean's response is pending)
- School of Computer Science
- Department of Paediatric Surgery
- Department of Political Science

6. APC Subcommittee on Teaching and Learning (STL)

- Developed a framework to guide peer assessment.
- initiated a process for the revision of the Student Assessment Policy.

7. APC Subcommittee on Courses and Teaching Programs (SCTP)

- changed the advertisement policy for new programs, such that these do not require external approval (CPU and CEP). After SCTP's approval, the latter will be advertised.
- Established new guidelines for the creation of concentrations and options.

8. Research Advisory Council (RAC)

- endorsed the new Strategic Research Plan (2019-2023)
- led consultation on the Policy on Research Centres.
- released a revised version of the Regulation on the Conduct of Research.

As per the its mandate, RAC members were consulted and/or updated on McGill's involvement in several major grant competitions and government research initiatives throughout the year.

9. Council of Graduate and Postdoctoral Studies (CGPS)

In addition to reviewing and approving new graduate programs, graduate program retirements, and major and minor revisions to existing graduate programs, CGPS also reviewed and approved the following:

- A Joint Doctoral Degree between McGill University and:
  - the University of Bordeaux, France, for students registered in the Ph.D. in Experimental Medicine (at McGill) and the students enrolled in a « Doctorat en science de la vie et de la santé ».
  - the University of « Avignon et des Pays de Vaucluse », France, for students in the Ph.D. in History (at McGill) and the students enrolled in a « Doctorat en histoire »
  - the University of Ottawa, Canada, for students in the Ph.D. in Biology and the students enrolled in Ph.D. in Biology
  - the University of KU Leuven, Belgium, for Ph.D. in Mechanical Engineering and students enrolled in Ph.D. in Engineering Technology.

10. APC Subcommittee on Professional Programs (SoPP)

- The Subcommittee on Professional Programs completed its regular meetings on the professional programs, accreditation processes and contract academic staff appointments.

B. APC plans and priorities for 2018/2019

APC will continue its work reviewing and approving course and program changes as they arise.

1. Academic Unit Reviews

In accordance with McGill's Regulations on Academic Units Reviews, documents pertaining to the following unit reviews will be made available to APC in 2019/2020:

- Department of Surgery (Faculty of Medicine)
- Redpath Museum (Faculty of Science)
- Institute for Health and Social Policy [*ad hoc*] (Faculties of Medicine, Arts, Law)
- Department of Anatomy & Cell Biology (Faculty of Medicine)
- Department of Philosophy (Faculty of Arts)
- Department of Biochemistry (Faculty of Medicine)
- Department of Anesthesia (Faculty of Medicine)
- Department of Psychiatry (Faculty of Medicine)

2. Graduate Studies

CGPS will work on establishing a framework for joint programs and degrees. New Graduate Programs proposals will be considered as they arise.

3. Teaching and Learning

STL will work on the following objectives:

- Peer assessment of classroom teaching
- Student Assessment Policy
- Enhancing student engagement
- Developing student's learning skills
- Indigenous approaches to teaching and learning at McGill.

4. Research Advisory Committee

RAC will address:

- procedures related to the Policy on Research Centres
- proposals to establish new Research Centres as they arise and to review the status of provisional Research Centres.