AGENDA



EXECUTIVE OF COUNCIL

Date:	20 September 2023
То:	Executive of Council
From:	Glenys Sylvestre, University Secretary
Re:	Meeting of 27 September 2023

A meeting of Executive of Council is scheduled for 27 September 2023, 2:30-4:30 p.m. in the Administration Humanities Building, Room 527 (AH 527) and via web conferencing (Zoom). As per Section 4.6.2 of the Council Rules and Regulations, meetings shall be closed except to persons invited to attend and members of Council who chose to attend as guests.

AGENDA

- 1. Approval of the Agenda
- 2. Approval of the Minutes of 21 June 2023 Circulated with the Agenda
- 3. Business Arising from the Minutes
- 4. Remarks from the Chair
- 5. Report from the University Secretary

6. Report from Committees of Council

- 6.1 Council Committee on the Faculty of Graduate Studies and Research and Council Committee on Undergraduate Admissions and Studies, Appendix I, pp. 3-5
- 6.2 Council Committee on the Faculty of Graduate Studies and Research, Appendix II, pp. 6-17
- 6.3 Faculty of Graduate Studies and Research Scholarships and Awards Committee, *Distributed Confidentially*
- 6.4 Council Committee on Undergraduate Awards, Distributed Confidentially

7. Graduand Lists

- 7.1 Graduand Lists for Approval Omnibus Motion Distributed Confidentially
 - 7.1.1 Faculty of Arts
 - 7.1.2 Faculty of Business Administration
 - 7.1.3 Faculty of Education
 - 7.1.4 Faculty of Engineering and Applied Science
 - 7.1.5 Faculty of Graduate Studies and Research

AGENDA



- 7.1.6 Faculty of Kinesiology and Health Studies
- 7.1.7 Faculty of Media, Art, and Performance
- 7.1.8 Faculty of Nursing
- 7.1.9 Faculty of Science
- 7.1.10 Faculty of Social Work
- 7.1.11 La Cité universitaire francophone
- 7.1.12 Centre for Continuing Education
- 8. Other Business
- 9. Adjournment

UNIVERSITY OF REGINA

Executive of Council

Subject:Report from the Council Committee on the Faculty of Graduate Studies and Research
and the Council Committee on Undergraduate Admissions and Studies

Item(s) for Decision:

1. 2025-2026 Academic Schedule

MOTION: To approve the 2025-2026 Academic Schedule.

Rationale:

The Academic Schedule (*Attachment A*) is brought forward for approval. The Other Important Dates chart is included for information (*Attachment B*).

The schedule was approved by the Council Committee on Undergraduate Admissions and Studies on June 1, 2023 and approved by the Council Committee on the Faculty of Graduate Studies and Research on September 14, 2023.

(end of Motion)

Attachment A



2025-2026 Academic Schedule

19-Sep-2023

Term Information				Spring/S	Summer 2025				Fall 2025	Winter 2026
Part of term (POT):	1	2	3	4	5	6	7	10	1	1
Held in:	May-Aug	May	June	May-June	July	August	July-Aug	May-Aug	Sep-Dec	Jan-Apr
Start of term	5-May-25	5-May-25	5-May-25	5-May-25	5-May-25	5-May-25	5-May-25	5-May-25	2-Sep-25	6-Jan-26
End of term	29-Aug-25	29-Aug-25	29-Aug-25	29-Aug-25	29-Aug-25	29-Aug-25	29-Aug-25	29-Aug-25	22-Dec-25	29-Apr-26
Class Dates										
Start of classes	5-May-25	5-May-25	2-Jun-25	5-May-25	2-Jul-25	5-Aug-25	2-Jul-25	5-May-25	2-Sep-25	6-Jan-26
End of classes	20-Aug-25	27-May-25	23-Jun-25	18-Jun-25	23-Jul-25	26-Aug-25	18-Aug-25	31-Jul-25	5-Dec-25	13-Apr-26
Examination Dates										
Start of examination period	25-Aug-25	30-May-25	26-Jun-25	21-Jun-25	26-Jul-25	29-Aug-25	20-Aug-25	5-Aug-25	9-Dec-25	16-Apr-26
End of examination period	27-Aug-25	30-May-25	26-Jun-25	25-Jun-25	26-Jul-25	29-Aug-25	23-Aug-25	9-Aug-25	22-Dec-25	29-Apr-26
Tuition and Fee Payment Dates										
Due date for tuition and fee payment	5-May-25	5-May-25	2-Jun-25	5-May-25	2-Jul-25	5-Aug-25	2-Jul-25	5-May-25	2-Sep-25	6-Jan-26
End of penalty-free payment period	9-Jun-25	2-Jun-25	30-Jun-25	2-Jun-25	31-Jul-25	1-Sep-25	31-Jul-23	30-May-25	29-Sep-25	2-Feb-26
Class Add/Drop Dates										
End course-add period	21-May-25	6-May-25	3-Jun-25	8-May-25	3-Jul-25	6-Aug-25	8-Jul-25	16-May-25	15-Sep-25	19-Jan-26
End of no-record drop period	21-May-25	6-May-25	3-Jun-25	8-May-25	3-Jul-25	6-Aug-25	8-Jul-25	16-May-23	15-Sep-25	19-Jan-26
End of grade-of-W drop period	17-Jul-25	20-May-25	16-Jun-25	4-Jun-25	16-Jul-25	19-Aug-25	31-Jul-25	4-Jul-25	17-Nov-25	16-Mar-26
Tuition and Fee Refund Dates										
End of 100% refund period	21-May-25	6-May-25	3-Jun-25	8-May-25	3-Jul-25	6-Aug-25	8-Jul-25	16-May-25	15-Sep-25	19-Jan-26
End of 50% refund period	9-Jun-25	8-May-25	5-Jun-25	15-May-25	8-Jul-25	11-Aug-25	15-Jul-25	2-Jun-25	29-Sep-25	2-Feb-26

Other Important Dates

2025	19-Sep-2023
Occasion	Date
Victoria Day - No classes (Most university offices closed)	May 19
Spring Convocation	June 11, 12, & 13
Canada Day - No classes (Most university offices closed)	July 1
Last day to apply to graduate for Fall Convocation	July 31
Saskatchewan Day - No classes (Most university offices closed)	August 4
Undergraduate Student Orientation	August 29
Labour Day - No classes (Most university offices closed)	September 1
Truth and Reconciliation Day - No classes (Most university offices closed)	September 30
Thanksgiving Day - No classes (Most university offices closed)	October 13
Fall Break starts (Monday)	October 13
Fall Break ends (Sunday)	October 19
Fall Convocation (Thursday)	October 16
Remembrance Day (Most university offices closed)	November 11
Faculty and Admin Offices close at 4:30 p.m.	December 23

2026

Occasion	Date
Faculty and Admin Offices open at 8:15 a.m.	January 2
Undergraduate Student Orientation	January 5
Last day to apply to graduate for Spring Convocation	January 31
Family Day - No classes (Most university offices closed)	February 16
Winter Break starts (Monday)	February 16
Winter Break ends (Sunday)	February 22
Good Friday	April 3

Application Deadlines

Information about applying to the University of Regina, including application deadlines, can be found in the <u>Undergraduate Admissions</u> section of this Calendar.

Attachment B

UNIVERSITY OF REGINA

Executive of Council

Subject: Report from the Council Committee on the Faculty of Graduate Studies and Research

Item(s) for Decision:

1. Faculty of Arts

1.1 Program Change

MOTION: To modify the Master of History (Thesis Route), effective 202410.

Current		Proposed	
https://www.uregina.ca/gradstudies/future-			
students/programs/history.html			
Fully-qualified students with a 4-year B.A. will r		Fully-qualified students with a 4-year B.A. w	ill normally be
required to complete five courses and a thesis.		required to complete five courses and a the	
qualified students with an Honours B.A. will no	•	qualified students with an Honours B.A. will	•
required to complete four courses and a thesis	. The	required to complete four courses and a the	esis. The
programme would therefore be as follows.		programme would therefore be as follows.	
For students with a 4-year B.A.:		For student with a 4-year B.A.:	
Five courses	15 credit	Five courses	15 credit
History 800 or History 815	hours	History 800 or History 815	hours
 History 900 (3 credit hours over two semesters) 		 History 900 (3 credit hours over two semesters) 	
 Two 800-level courses in the student's field of specialization* 		• Three HIST 8xx Electives	
 One 800 level course outside the student's field of specialization* 			
History 901 Thesis Research	15 credit	History 901 Thesis Research	15 credit
	hours		hours
Total	30 credit	Total	30 credit
	hours		hours
*Courses may be outside of the History Depart			
For students with an Honours B.A. (at the discr	etion of the	For students with an Honours B.A. (at the d	iscretion of the
Supervisory Committee):		Supervisory Committee):	
Four courses	12 credit	Four courses	12 credit
History 800 or History 815	hours	History 800 or History 815	hours
 History 900 (3 credit hours over 2 		History 900 (3 credit hours over 2	
semesters)		semesters)	
 Two 800 level courses in the student's field of specialization* 		• Two HIST 8xx Electives	
History 901 Thesis Research	18 credit	History 901 Thesis Research	18 credit
	hours		hours
Total	30 credit	Total	30 credit
	hours		hours
*Courses may be outside of the History Depart			
The thesis research may be carried out in paral	lel with the	The thesis research may be carried out in pa	arallel with the

Candidates for the MA degree in Canadian History may	Candidates for the MA degree in Canadian History may
submit their thesis in either French or English.	submit their thesis in either French or English.

Rationale:

Over the past 5-10 years, the MA program has been transitioning from an "area studies" model toward a more thematic model in terms of graduate course offerings and thesis supervision. This transition both reflects changes in the discipline of History as a whole and the changing specializations and approaches of the faculty. For example, in addition to offering courses focused on Canadian history or British history, they are now also offering thematic courses such as Theories of History, Methodologies, and Doing Women's and Gender History. Such offerings are arguably applicable to all students and therefore the "inside" and "outside" designations are becoming less relevant.

The Department also does not have the resources to offer courses in areas that would suit all of their individual students. For example, one student is currently writing a thesis on portrayals of background characters in classics based video games. A classics course would fit this student, but the Department does not have a classics graduate course. Therefore, by removing the "inside" and "outside' designations, the student is able to take enough courses to satisfy their degree offerings.

Further, in the next few years the Department will be transitioning toward a course-based MA. This program will be better suited to the Department, which is shrinking in terms of its graduate teaching faculty due to ongoing retirements and the subsequent closure of tenure lines. Since those retirements may not be replaced, the Department is adjusting its graduate program accordingly.

(end of Motion)

2. FACULTY OF BUSINESS ADMINISTRATION

2.1 Discontinue Program – Post Graduate Diploma in Business Foundations

MOTION: That the Post-Graduate Diploma in Business Foundations be discontinued, effective immediately.

Rationale:

The program is no longer offered and was suspended in 202030 and there are no students enrolled in it.

(end of Motion)

2.2 Program Changes – Master's Certificate Programs, Master of Administration in Leadership, Master of Human Resource Management, and Master of Business Administration

MOTION: That the admission requirements for the mid-career option for the following programs be changed, effective 202420.

- Master's Certificate Programs (Human Resource Management, Organizational Leadership, Project Management, Labour Relations)
- Master of Administration in Leadership (M.Admin Leadership)
- Master of Human Resource Management (MHRM)
- Master of Business Administration (MBA)

Master's Certificate Programs (Human Resource Management; Organizational Leadership; Project Management; Labour Relations)

https://www.uregina.ca/gradstudies/future-students/programs/administration.html#Certificate

Current	Proposed
Mid-Career Option	Mid-Career Option
A limited number of mid-career managers with at least	A limited number of mid-career managers with at least
7 years work experience, but who lack an	7 years work experience, but who lack an
undergraduate degree, may be admitted to the	undergraduate degree, may be admitted to the
Master's Certificate program. Mid-career managers	Master's Certificate program. Mid-career managers
must meet the Master's Certificate qualifying course	must meet the Master's Certificate qualifying course
requirements before beginning graduate courses, if	requirements before beginning graduate courses, if
they have not been completed prior to acceptance.	they have not been completed prior to acceptance, or
These qualifying course requirements consist of ten (10)	have achieved a minimum GMAT (or GRE equivalent)
undergraduate courses. All qualifying courses must be	score of 500. The qualifying course requirements consist
passed with a grade no less than 70%. Qualifying	of ten (10) undergraduate courses. All qualifying
students may be discontinued from their program if	courses must be passed with a grade no less than 70%.
they receive one grade less than 70%. Mid- career	Qualifying students may be discontinued from their
managers who plan to take qualifying courses should	program if they receive one grade less than 70%. Mid-
consult with the Graduate Advisor in the Faculty of	career managers who plan to take qualifying courses
Business Administration to choose suitable courses.	should consult with the Graduate Advisor in the Faculty
	of Business Administration to choose suitable courses.

Rationale:

In order to more appropriately recognize and account for the value of prior learning of individuals with extensive work experience, we added the GMAT/GRE exam as another option for the mid-career path. This additional requirement ensures the academic readiness of applicants who do not have the current ten undergraduate courses. It is an appropriate balance of ensuring academic readiness to graduate level standards and it creates pathways that recognize prior learning through relevant work experience.

Master of Administration in Leadership (M.Admin – Leadership)

https://www.uregina.ca/gradstudies/future-students/programs/administration.html#MAdmin

Current	Proposed
Mid-Career Option	Mid-Career Option
A limited number of mid-career managers with at least 7 years work experience, but who lack an undergraduate degree, may be admitted to the MAdmin program. Mid- career managers must meet the degree's qualifying course requirements before beginning graduate courses, if they have not completed prior to acceptance. These qualifying course requirements are ten (10) undergraduate courses. All qualifying courses must be passed with a grade no less than 70%. Qualifying students may be discontinued from the program if they receive one grade less than 70%. Mid-career managers who plan to take qualifying courses should consult with a Graduate Advisor in the Faculty of Business Administration to choose suitable courses.	A limited number of mid-career managers with at least 7 years work experience, but who lack an undergraduate degree, may be admitted to the MAdmin program. Mid- career managers must meet the degree's qualifying course requirements or have achieved a minimum GMAT (or GRE equivalent) score of 500 before beginning graduate courses, if they have not completed prior to acceptance. The qualifying course requirements are ten (10) undergraduate courses. All qualifying courses must be passed with a grade no less than 70%. Qualifying students may be discontinued from the program if they receive one grade less than 70%. Mid-career managers who plan to take qualifying courses should consult with a Graduate Advisor in the Faculty of Business Administration to choose suitable courses. * Students entering with a Master's Certificate from the Levene School are not required to submit the results of an additional GMAT/GRE exam.

Master of Human Resource Management (MHRM)

https://www.uregina.ca/gradstudies/future-students/programs/administration.html#MHRM

Current	Proposed
Mid-Career Option	Mid-Career Option
A limited number of mid-career managers with at least	A limited number of mid-career managers with at least 7
7 years work experience but who lack an undergraduate	years work experience but who lack an undergraduate
degree, may be admitted to the MHRM program. Mid-	degree, may be admitted to the MHRM program. Mid-career
career managers must meet the degree's qualifying	managers must meet the degree's qualifying course
course requirements before beginning graduate	requirements or have achieved a minimum GMAT (or GRE
courses, if they have not been completed prior to	equivalent) score of 500 before beginning graduate courses,
acceptance. These qualifying course requirements are	if they have not been completed prior to acceptance. The
ten (10) undergraduate courses. All qualifying courses	qualifying course requirements are ten (10) undergraduate
must be passed with a grade no less than 70%.	courses. All qualifying courses must be passed with a grade
Qualifying students may be discontinued from their	no less than 70%. Qualifying students may be discontinued
program if they receive one grade less than 70%. Mid-	from their program if they receive one grade less than 70%.
career managers who plan to take qualifying courses	Mid-career managers who plan to take qualifying courses
should consult with a Graduate Advisor in the Faculty of	should consult with a Graduate Advisor in the Faculty of
Business Administration to choose suitable courses.	Business Administration to choose suitable courses.
	* Students entering with a Master's Certificate from
	the Levene School are not required to submit the
	results of an additional GMAT/GRE exam.

Master of Business Administration (MBA)

https://www.uregina.ca/gradstudies/future-students/programs/administration.html#MBA

Current	Proposed
Mid-Career Option	Mid-Career Option
A number of individuals with at least 7 years suitable work	A number of individuals with at least 7 years suitable work
experience, but who lack an undergraduate degree, may be	experience, but who lack an undergraduate degree, may be
admitted to the Levene MBA with Specialization. These	admitted to the Levene MBA. These individuals must meet
individuals must meet the degree's qualifying course	the degree's qualifying course requirements or have
requirements before beginning graduate courses, if they	completed a Master's Certificate program before beginning
have not completed prior to acceptance, or the Post	the Levene MBA program, if they have not completed prior
Graduate Diploma. These qualifying course requirements are	to acceptance, or the Post Graduate Diploma. The qualifying
ten (10) undergraduate courses and the GMAT score of 500	course requirements are ten (10) undergraduate courses
or GRE equivalent. All qualifying courses must be passed	and the GMAT score of 500 or GRE equivalent. All qualifying
with a grade no less than 70%. Qualifying students may be	courses must be passed with a grade no less than 70%.
discontinued from the program if they receive one grade	Qualifying students may be discontinued from the program
less than 70%. Individuals who plan to take qualifying	if they receive one grade less than 70%. Individuals who plan
courses should consult with a Graduate Advisor in the	to take qualifying courses should consult with a Graduate
Faculty of Business Administration to choose suitable	Advisor in the Faculty of Business Administration to choose
courses.	suitable courses.
Note: Admissions to the Levene MBA Public Safety,	
International Management, and Engineering Management	***A small number of students, with a GPA of 80% and
specializations are currently suspended.	GMAT score over 600 (or GRE equivalent), may be admitted
***A small number of students, with a GPA of 80% and	without the required two years of work experience.
GMAT score over 600 (or GRE equivalent), may be admitted	
without the required two years of work experience.	

Rationale:

The Master of Administration - Leadership, Master of Human Resource Management, and Master of Business Administration Programs align with the Master's Certificate to allow students to smoothly ladder from a Master's Certificate into the Master of Administration - Leadership, Master of Human Resource Management, and Master of Business Administration Programs. This will ensure that we appropriately recognize individuals who have extensive work experience but do not have the current requirement of ten undergraduate courses. It is an appropriate balance of ensuring academic readiness to graduate- level standards and it creates pathways that recognize prior learning through relevant work experience.

(end of Motion)

3. FACULTY OF GRADUATE STUDIES AND RESEARCH

3.1 Revision – First Term Registration Requirement

MOTION: To approve the requirement that new international graduate students register for a minimum of 6 credit hours in their first term, effective immediately.

Rationale:

Recently, UR International advised the University community of a change in its guidance with respect to registration requirements for international students. Previously, international graduate students beginning their programs in Spring/Summer were allowed to register part-time (min. of 3 credit hours). Under the new guidelines, new international students are advised to register for 6 credit hours in their first term. As previously, current international students who were registered full-time in the Winter term and intend to register full-time in the Fall term may continue to register part-time in the Spring/Summer term.

(end of Motion)

4. FACULTY OF SCIENCE

4.1 Program Change – Doctor of Philosophy in Biology

MOTION: That the Doctor of Philosophy graduate program be corrected, effective 202430.

Doctor of Philosophy (PhD) in Biology (after Bachelor's)

https://www.uregina.ca/gradstudies/future-students/programs/biology.html

Current		Proposed			
In exceptional circumstances, a candi	date may transfer	In exceptional circumstances, a candidate may transfer into			
into the PhD program without compl					
degree. In these cases, the PhD progr		the PhD program without completion of a Master's degree.			
to 22 credit hours of course work and		In these cases, the PhD program consists of 13 to 22 credit hours of course work and 68 to 77 credit hours of BIOL 901			
hours of BIOL 901 (for a total of 90 cr		(for a total of 90 credit hours). Student	•		
Students present an exit seminar bas	ed on their thesis	seminar based on their thesis research	l.		
research.			T		
BIOL 801	3 cr. hrs.	BIOL 801	3 cr. hrs.		
BIOL 802	3 cr. hrs.	BIOL 802	3 cr. hrs.		
BIOL 887	1 cr. hrs.	BIOL 887	3 cr. hrs.		
BIOL 887	1 cr. hrs.	BIOL 887	3 cr. hrs.		
BIOL 888*	BIOL 888* 1 cr. hrs.		3 cr. hrs.		
BIOL 888*	BIOL 888* 1 cr. hrs.		3 cr. hrs.		
BIOL 8XX**	3-12 cr. hrs.	BOL 8XX**	3-12 cr. hrs.		
BIOL 901	68-77 cr. hrs.	BIOL 901	68-77 cr. hrs.		
Total Credit Hours	90 cr. hrs.	Total Credit Hours	90 cr. hrs.		
* Students register twice for a total of	f 2 credit hours;	* Students register twice for a total of	2 credit hours;		
students are expected to attend BIOI	students are expected to attend BIOL 888 seminars in all		students are expected to attend BIOL 888 seminars in all		
semesters unless otherwise advised l	by the supervisor.	semesters unless otherwise advised by the supervisor.			
** 800-level courses from any unit: c		** 800-level courses from any unit: courses from outside of			
outside of Biology require the approv		Biology require the approval of the supervisory committee			
supervisory committee and the Facul		and the Faculty of Graduate Studies and Research.			
Studies and Research.	.,				

Rationale:

There was a credit counting error in the previously approved program description.

(end of Motion)

5. LA CITE UNIVERSITAIRE FRANCOPHONE

5.1 Program Change – Doctorate in Francophone and Intercultural Studies (Thesis Route)

MOTION: To correct the program template of the Doctorate in Francophone and Intercultural Studies – Thesis Route, effective immediately.

Corriger le modèle du programme de doctorat en études francophones et interculturelles – parcours thèse (en vigueur immédiatement).

Current https://www.uregina.ca/gradstudies/future- students/programs/french.html		Proposed	
FRN 804 Séminaire de recherché doctorale	3 cr. hrs.	FRN 804 Séminaire de recherche doctorale	3 cr. hrs.
FRN 8XX Directed reading	3 cr. hrs.	FRN 8XX	3 cr. hrs.
FRN 8XX	3 cr. hrs.	FRN 8XX	3 cr. hrs.
FRN 8XX	3 cr. hrs.	FRN 8XX	3 cr. hrs.
FRN 8XX	3 rd. hrs.	FRN 8XX	3 cr. hrs.
Comprehensive exams: written, with oral defense, including a thesis proposal, (Pass / Fail)	0 cr. hrs.	FRN 800 Examen de synthèse/Comprehensive Exam	0 cr. hrs.
FRN 9XX Thesis	45 cr. hrs.	FRN 9XX	45 cr. hrs.
Total	60 cr. hrs.	Total	60 cr. hrs.
Notes: FRN 801 (Bibliographie et méthodologie) – students lacking this postgraduate methods course, an equivalent course, or equivalent experience must take this course in their first semester in addition to the credits required for the Doctorate program.		Notes: FRN 801 (Bibliographie et méthodologie) – students lacking this postgraduate methods course, an equivalent course, or equivalent experience must take this course in the first semester in addition to the credits required for the Doctorate program.	
Up to two courses may be taken outside unit, with the permission of the graduate		Up to two courses may be taken outside the academic unit, with the permission of the graduate chair.	

Justification/Rationale:

Ce sont des détails administratifs. La suppression de "lecture dirigée" d'un des quatre cours FRN 8XX évitera toute confusion, étant donné que la description du programme indique quatre cours FRN

8XX (y compris la lecture dirigée).

Le numéro du cours, FRN 800, sera indiqué dans le modèle du programme plutôt que dans la description du cours FRN800.

These are housekeeping items. Removing Directed Reading from one of the four FRN 8XX courses will avoid confusion as the program description indicates four FRN 8XX courses (including directed reading).

The course number, FRN 800, will be listed in the program template as opposed to the course description of FRN800.

(end of Motion)

Item(s) for Information:

1. TERMS OF REFERENCE PhD Committee Terms of Reference

The Terms of Reference for the PhD Committee, a Sub-Committee of CCFGSR, were approved, effective immediately.

2. COURSE REPLACEMENTS

Faculty of Science – Department of Physics (Effective 202420)

Current	Proposed
PHYS 890AE Structure of the Proton Nucleon electromagnetic form factors and structure functions, Quark-Parton Model, Elements of Perturbative QCD, treatment of Deep Inelastic Scattering within QCD, and various aspects of non-Perturbative QCD including incorporation of transverse degrees of freedom.	PHYS 838 The Structure of the Proton Nucleon electromagnetic form factors and structure functions, Quark-Parton Model, Elements of Perturbative QCD, treatment of Deep Inelastic Scattering within QCD, and various aspects of non-Perturbative QCD including incorporation of transverse degrees of freedom. Prerequisite: PHYS 835 Note: Students may receive credit for only one of PHYS 890AE and PHYS 838.
PHYS 890AF The Structure of the Proton II Parton densities at small x, Hadronic form factors in perturbative QCD, QCD factorization, Generalized Parton Distributions, Nucleon Spin Structure, Nuclear EMC Effect.	PHYS 839The Structure of the Proton IIParton densities at small x, Hadronic form factors inperturbative QCD, QCD factorization, Generalized PartonDistributions, Nucleon Spin Structure, Nuclear EMC Effect.Prerequisite: PHYS 838Note: Students may receive credit for only one of PHYS890AF and PHYS 839.
PHYS 890 AG	PHYS 875
Synchrotron Techniques	Synchrotron <i>Radiation</i> Techniques and Their Applications
The course will explore the physics and experimental aspects of synchrotron radiation light sources and the different methods applied to areas from physics to biology. Techniques such as hard and soft X-ray spectroscopy and imaging, infrared microscopy and spectrometry and X-ray diffraction will be covered in detail s .	The physics and experimental aspects of synchrotron radiation light sources and the different methods applied to areas from physics to biology. Techniques such as hard and soft X-ray spectroscopy and imaging, infrared microscopy and spectrometry and X-ray diffraction will be covered in detail.
	Prerequisite: Permission of Department Head
	Note: Students may receive credit for only one of PHYS 890AG and PHYS 875.
PHYS 890AJ	PHYS 877
PET Image Reconstruction	Tomographic Image Reconstruction
The course will primarily focus on positron emission tomography (PET) instrumentation, data collection, sources of noise in data, image reconstruction and analysis. Topics	The course will primarily focus on positron emission tomography (PET) instrumentation, data collection, sources of noise in data, image reconstruction and analysis. Topics

common to many tomographic imaging modalities; including reconstruction of images from non-uniformly sampled data, from projections, from undersampled data, and image auto- focusing, will be discussed.	common to many tomographic imaging modalities; including reconstruction of images from non-uniformly sampled data, from projections, from under-sampled data, and image auto- focusing, will be discussed. <i>Prerequisite: Permission of Department Head</i> <i>Note: Students may receive credit for only one of PHYS</i> <i>890AJ and PHYS 877.</i>
PHYS 887AE	PHYS 878
Particle Physics Simulations	Computer Simulations in Particle Physics
Reading class with emphasis on practical tasks with four major components: review of C++ programming applicable in particle physics, data analysis with ROOT, detector simulations with GEANT4 and optional topics (e.g. python, event generators, fast detector simulations, code repositories, batch queueing systems, shell scripts).	<i>The course has</i> emphasis on practical tasks with four major components: review of C++ programming applicable in particle physics, data analysis with ROOT, detector simulations with GEANT4 and optional topics (e.g. python, event generators, fast detector simulations, code repositories, batch queueing systems, shell scripts). <i>Prerequisite: Permission of Department Head</i> <i>Note: Students may receive credit for only one of PHYS</i> <i>887AE and PHYS 888.</i>

3. COURSE CHANGES

Faculty of Business Administration (Effective 202420)

Current	Proposed
GBUS 832 – This course is designed to facilitate the understanding of accounting information with an emphasis on making decisions. Students will be provided an opportunity to enhance their communication, teamwork and decision making skills.	GBUS 832 – This course is designed to facilitate the understanding of accounting information with an emphasis on making decisions. Students will be provided an opportunity to enhance their communication, teamwork and decision making skills.
	Note: Levene MBA students cannot receive credit for this course as part of their program requirements.

Faculty of Science – Department of Physics (effective 202420)

Current	Proposed
PHYS 800 – Simple radiating systems, scattering, diffraction;	PHYS 800 – Simple radiating systems, scattering, diffraction;
covariant formulation of electrodynamics; the Lienard-	covariant formulation of electrodynamics; the Lienard-
Wiechert portentials and the field of a uniformly moving and	Wiechert potentials and the field of a uniformly moving and
accelerated electron; the motion of charged particles in e-m	accelerated electron; the motion of charged particles in e-m
fields; Hamiltonian formulation of Maxwell's equations.	fields; Hamiltonian formulation of Maxwell's equations.
Prerequisite: PHYS 311 and PHYS 322	Prerequisite: Enrolment restricted to graduate students in
	Physics, except with permission of the Department Head*.
	*Prior exposure to Maxwell's equations, dielectric and

	magnetic properties of matter, multipoles, and concepts in physical optics and electromagnetic radiation is expected.
PHYS 801 – Unitary transformations; dynamical equations; symmetries and conservation laws; angular momentum; density operator formalism; creation and annihilation operators; relativistic quantum mechanics; scattering theory. Prerequisite : PHYS 401 or equivalent	PHYS 801 - Unitary transformations; dynamical equations; symmetries and conservation laws; angular momentum; density operator formalism; creation and annihilation operators; relativistic quantum mechanics; scattering theory. Prerequisite: Enrollment restricted to graduate students in Physics, except with permission of the Department Head*.
	*Familiarity with axiomatic formulation, representations, angular momentum and spin, perturbation theory, systems of identical particles, and matrix mechanics is expected.
PHYS 803 – Canonical quantization; free scalar, vector and spinor fields; interacting fields; perturbation theory and Feynman diagrams; quantum electrodynamics, renormalization, gauge fields. Prerequisite: PHYS 401 or equivalent	PHYS 803 – Canonical quantization; free scalar, vector and spinor fields; interacting fields; perturbation theory and Feynman diagrams; quantum electrodynamics, renormalization, gauge fields. Prerequisite: <i>Enrolment restricted to graduate students in</i> <i>Physics, except with permission of Department Head*</i> .
	*Familiarity with axiomatic formulation, representations, angular momentum and spin, perturbation theory, systems of identical particles, and matrix mechanics is expected.
PHYS 810 – Mathematics of general relativity; unconnected manifolds, affinely connected manifolds and metrically connected manifolds; Physics of general relativity, conversation laws and variational principles. Prerequisite: PHYS 430 or equivalent	 PHYS 810 – Mathematics of general relativity; unconnected manifolds, affinely connected manifolds and metrically connected manifolds; Physics of general relativity, conversation laws and variational principles. Prerequisite: PHYS 411 or 811. Students cannot obtain credit for both PHYS 430 and 810.
PHYS 811 – Hamilton-Lagrange equations, Hamilton-Jacobi theory and applications, transformation theory, and special relativity. Prerequisite: PHYS 251 and PHYS 301	 PHYS 811 – Hamilton-Lagrange equations, Hamilton-Jacobi theory and applications, transformation theory, and special relativity. Prerequisite: Enrolment restricted to graduate students in Physics, except with permission of the Department Head. Students cannot obtain credit for both PHYS 411 and 811.
PHYS 831 Theoretical-Nuclear Physics – Review of symmetries; nucleon-nucleon interaction and polarization observables; nuclear models; the nuclear many-body problem; Hartree-Fock potential; random-phase approximation; quasi-particles; e-m interactions with nuclei; the weak interaction. Prerequisite: PHYS 432 or equivalent, and PHYS 801	PHYS 831 <i>Advanced</i> Nuclear Physics – Review of symmetries; nucleon-nucleon interaction and polarization observables; nuclear models; the nuclear many-body problem; Hartree-Fock potential; random-phase approximation; quasi-particles; e-m interactions with nuclei; the weak interaction. Prerequisite: PHYS 432* and PHYS 801 *or instructor permission
PHYS 833 – Direct and compound nuclear reactions; plane wave theory; scattering theory; phenomenological optical potential, DWBA, DWBA amplitudes and DWIA; coupled channels; microscopic theory of inelastic nucleon-nucleus scattering. Prerequisite: PHYS 801	PHYS 833 – Direct and compound nuclear reactions; plane wave theory; scattering theory; phenomenological optical potential, DWBA, DWBA amplitudes and DWIA; coupled channels; microscopic theory of inelastic nucleon-nucleus scattering. Prerequisite: PHYS 432* and PHYS 801 *or instructor permission
PHYS 834 – Meson exchange theories; accelerators, experimental techniques; electron-nucleon and electron	PHYS 834 – Meson exchange theories; accelerators, experimental techniques; electron-nucleon and electron

nucleus interaction, nucleon-nucleon scattering; nucleon- nucleus interactions; pion-nucleus interactions; relativistic kinematics. Prerequisite: PHYS 833	nucleus interaction, nucleon-nucleon scattering; nucleon- nucleus interactions; pion-nucleus interactions; relativistic kinematics. Prerequisite: PHYS 831 or 833
PHYS 835 – Symmetries and quantum numbers of leptons, hadrons, and quarks; e-m, weak, and strong interactions; charm and heavy quark hadrons and hadron spectroscopy; introduction to QCD; unified gauge theories; selected topics beyond the standard model. Prerequisite: PHYS 442 or equivalent, and PHYS 803	PHYS 835 – Symmetries and quantum numbers of leptons, hadrons, and quarks; e-m, weak, and strong interactions; charm and heavy quark hadrons and hadron spectroscopy; introduction to QCD; unified gauge theories; selected topics beyond the standard model. Prerequisite: PHYS 442* and PHYS 803 *or instructor permission.
PHYS 885 – This course is available to full-time Physics Graduate students in good standing. Students will participate in a summer school offered by an approved institute. The school and credit award must be approved by a committee of 3 faculty members, consisting of Physics Graduate Coordinator, Department Head, and one other member (typically the supervisor). NOTE: This class can be taken more than once in a program, for a maximum total of 3 credit hours provided the institute and course content are different each time.	PHYS 885 – This course is available to full-time Physics Graduate students in good standing. Students will participate in a summer school offered by an approved institute. The school and credit award must be approved by a committee of 3 faculty members, consisting of Physics Graduate Coordinator, Department Head, and one other member (typically the supervisor). NOTE: This class can be taken more than once in a program, for a maximum total of 3 credit hours provided the institute and course content are different each time. Prerequisite: Permission of the Department Head .

3. COURSE DELETIONS

Faculty of Business Administration (Effective 202420) MBA 832 – Accounting for Managers

Faculty of Science – Department of Physics (Effective 202420)

PHYS 812 Relativistic Astrophysics & Cosmology