

Meeting Date: Wednesday, February 10, 2021

Location: Zoom Meeting (details included in the email)

Time: 09:00 AM Saskatchewan

AGENDA

1. Approval of the Agenda
2. Approval of the Minutes from January 11, 2021 – circulated with agenda
3. Business Arising from the Minutes
 - 3.1 [The Registrar's Office](#) page 2
4. Reports from Faculties and Other Academic Units
 - 4.1 [Faculty of Nursing](#) pages 2-3
 - 4.2 [Faculty of Science](#) pages 3-6
 - 4.3 [UR International and Enrolment Services](#) pages 6-7
5. Adjournment

3. Business Arising from the Minutes

3.1 Report from the Registrar's Office

At the June 2020 CCUAS meeting, motion **4.5.4 Revisions to the Graduation section in the Undergraduate Calendar** was approved by the Committee with the understanding that the motion would be adjusted before Executive of Council. However, due to the proposed changes for Executive of Council, it was recommended to bring this motion back to CCUAS first to ensure the intention is reflected in those changes.

3.1.1 REVISIONS TO THE GRADUATION SECTION IN THE UNDERGRADUATE CALENDAR

MOTION: To approve the revisions to the Graduation section (p. 50) of the Undergraduate Calendar as outlined below, **effective 202220**.

University Minimum GPAs and Institutional Honours, page 50, Graduation section of the undergraduate calendar

Minimum Grade Point Averages to Graduate

A minimum undergraduate grade point average (UGPA) of 60.00% is required for graduation ~~from~~for all undergraduate degree, diploma, and certificate ~~degree~~ programs. In addition, all undergraduate students must also meet their program grade point average (PGPA) required for graduation. The PGPA will be calculated only on those courses which form part of the degree, diploma, and certificate program (failed courses and extra courses are not included). Students should check with their faculty advisor regarding these standards. Each faculty may set its own standards for graduation provided that they are not less than the University minimum. ~~Students should check with their faculty advisor regarding these standards~~

Rationale: A survey was undertaken and the results were that 82% of Canadian institutions have a minimum graduation grade point average and program specific graduation requirements.

The rationale is to align all credentials with the 60.00% UGPA which is the Minimum Academic Performance Standard (see above) and this clarification affords students the ability to successfully progress in further studies. If passed, the Registrar's Office will communicate with all faculties and academic units such that wherever this appears in the calendar, it will be changed.

(End of Motion)

4. Reports from Faculties and Other Academic Units

4.1 Faculty of Nursing

The Faculty of Nursing submits the following motion, approved at the January 14, 2021 Faculty of Nursing Faculty Council meeting, for approval to CCUAS:

Item for Approval

4.1.1 REVISION TO FACULTY OF NURSING ADMISSION REQUIREMENTS

MOTION: That the admissions section of the Undergraduate Calendar "Admissions from Universities and Colleges" Faculty of Nursing requirements be revised, as outlined below, **effective 202210**.

Applicants who have attempted 15 or more credit hours of approved post-secondary education will be considered for admission based on the following criteria:

- Completion of the required high school admission subjects or a post-secondary equivalent
- A minimum 65.00% UGPA Admissions Grade Point Average (AGPA) on ~~all~~ the last 30 credit hours of approved postsecondary courses presented; and
- If currently attending another Nursing program, a minimum UGPA of 65.00% and a positive recommendation on a clinical placement reference form.

Rationale: This motion has been developed in consultation with Enrolment Services. Many applicants have attended multiple post-secondary institutions. We do not want to punish students for their past academic difficulties, if in the meantime they have been performing well. We currently look at all approved previous post-secondary work when calculating admission averages. Other universities only look at transferable courses or a certain number of credit hours. For example, University of Calgary uses the past 30 credit hours, University of Alberta uses the past two terms if they contain at least 24 credit hours, and University of Toronto uses the most recent annual average.

End of Report from Faculty of Nursing

4.2 Faculty of Science

4.2.1. CHEMISTRY AND BIOCHEMISTRY CO-OPERATIVE EDUCATION PROGRAM CHANGE

MOTION: To include CHEM 140 as a required course for admission to the Co-operative Education Program in Chemistry and Biochemistry, **effective 202130.**

Rationale: The Faculty of Science is moving to align the Co-op requirements between departments and in light of that, we are adding pre-requisites for the Chemistry and Biochemistry Co-op programs.

Chart found on page 56 of the Undergraduate Calendar

Co-operative Education Program Entrance Requirements

Area of Study	PGPA	Minimum credit hours*	Maximum credit hours	Number of work terms	Required courses
Chemistry/ Biochemistry	72.5%	21	60	3 (optional 4 th)	Completed 21 BSc credit hours including CHEM 104 and CHEM 140 <u>one additional course in Chemistry or BIOCHEM</u> ; enrolled in 3 CHEM/BIOC courses beyond CHEM 104 prior to commencement of the first work term

Page 254 of the Undergraduate Calendar

Co-operative Education Program in Chemistry and Biochemistry

Entrance Criteria

At the time of application for admission to the placement cycle, a student:

- must have completed at least 21 credit hours toward a BSc degree, including CHEM 104 and ~~one additional course in chemistry~~ CHEM 140;
- must have completed no more than 60 credit hours toward the BSc;
- must have achieved a minimum GPA of 72.50% in courses required for the major and overall;

- must be enrolled in a program to complete at least three (3) biochemistry/chemistry courses beyond CHEM 104, prior to commencement of the first work term.

Successful completion of three work terms is required for the Co-op designation, with a fourth work term being optional. Students follow a schedule of work/academic terms similar to that shown for Computer Science. To continue in the Co-op option, students must maintain a GPA of 72.50% and must enroll in at least 12 credit hours in academic terms between work terms. One of the first two work terms must be in a fall or winter term (i.e. both may not be in summer terms).

For further details, contact the Co-operative Education Office or the head of the Department of Chemistry and Biochemistry.

(End of Motion)

4.2.2. PHYSICS PROGRAM CHANGES

MOTION: To include ASTR 300-level courses in the BSc and BSc Honours in Physics, BSc and BSc Honours in Applied Physics, and the Minor in Physics, **effective 202220**.

Rationale: ASTR 300 and 390 are intended primarily for Physics majors. However, they cannot take these classes for degree credit unless the above changes are made to the program templates. Also, as part of this review, we noticed that PHYS 401 was inadvertently missing from the B.Sc. Physics and B.Sc. Applied Physics templates, and this correction has been made.

B.Sc. Physics

Credit Hrs	Required Courses
3.0	THREE OF: PHYS 319, 322, 352, 362, 392, 421, 432
3.0	Three OF: PHYS 300-level, 401, 421, 432, or ASTR 300-level
3.0	

B.Sc. in Applied Physics

Credit Hrs	Required Courses
3.0	THREE OF: PHYS 319, 322, 352, 362, 392, 421, 432
3.0	Three of: PHYS 300-level, 401, 421, 432, or ASTR 300-level
3.0	

B.Sc. Physics Honours

Credit Hrs	Required Courses
3.0	GEOL 460, PHYS 300- or 400-level, <u>or ASTR 300-level</u>
3.0	GEOL 460, PHYS 300- or 400-level, <u>or ASTR 300-level</u>
3.0	GEOL 460, PHYS 300- or 400-level, <u>or ASTR 300-level</u>

Minor in Physics

Credit Hrs	Required Courses
3.0	PHYS 300- or 400-level <u>or ASTR 300-level</u>

(End of Motion)

Items for Information

The Faculty of Science submits the following course creation and revisions for information.

I. Department of Chemistry and Biochemistry

BIOC 391 3:3-0 (202120)

Research Experience

This course is intended for students who wish to gain experience in biochemical research under the supervision of a Biochemistry/Chemistry faculty member or a Biochemistry professor at a Federated College. Students will carry out an independent research project, and will have an opportunity to develop an appreciation for experimental preparation, methods, analysis, and scientific report writing.

~~***Prerequisite: Permission of the Chemistry/Biochemistry Department Head and the faculty member***~~

~~*Note: Research positions are limited. Students with a strong background in courses in the subdiscipline of research interest will be given preference*~~

Note: Students can only receive credit for one of BIOC 391 and CHEM 391

Note: Students can use this course in their program as an elective only

BIOC 401 3:0-0 (202120)

Honours Research

Honours biochemistry students will carry out independent research under the supervision of a Biochemistry/Chemistry faculty member. Students are required to present a summation of their research progress.

~~***Prerequisite: Permission of the Chemistry/Biochemistry Department Head and the faculty member***~~ *Note:

~~Students can only receive credit for one of BIOC 401 and CHEM 401*~~

BIOC 402 3:0-0 (202120)

Honours Thesis

A continuation of the research project started in BIOC 401. Students will complete their research projects, submit a written research thesis and give an oral presentation and defence of the thesis.

~~***Prerequisite: BIOC 401 (minimum 70%) ***~~

* Note: Students can only receive credit for one of BIOC 402 and CHEM 402.

CHEM 051 0:0-0 (202120)

Chemistry Co-op Work Term

Four-month co-op work term #1 approved by the department and arranged by the co-op co-ordinator.

~~***Prerequisite: CHEM 104 and CHEM 140***~~

CHEM 391 3:3-0 (202120)

Research Experience

This course is intended for students who wish to gain experience in chemical research under the supervision of a Chemistry/Biochemistry faculty member or a Chemistry professor at a Federated College. Students will carry out an independent research project, and will have an opportunity to develop an appreciation for experimental preparation, methods, analysis, and scientific report writing. ***Prerequisite: Permission of the Chemistry/Biochemistry

~~Department Head and the faculty member***~~

~~*Note: Research positions are limited. Students with a strong background in courses in the subdiscipline of research interest will be given preference*~~

Note: Students can only receive credit for one of CHEM 391 and BIOC 391

~~*Note: Students can use this course in their program as an elective only*~~

CHEM 401 3:0-0 (202120)

Honours Research

Honours chemistry students will carry out independent research under the supervision of a Chemistry/Biochemistry faculty member. Students are required to present a summation of their research progress.

~~***Prerequisite: Permission of the Chemistry/Biochemistry Department Head and the faculty member***~~ *Note:

~~Students can only receive credit for one of CHEM 401 and BIOC 401*~~

CHEM 402 3:0-0 (202120)

Honours Thesis

A continuation of the research project started in CHEM 401. Students will complete their research projects, submit a written research thesis and give an oral presentation and defence of the thesis.

~~***Prerequisite: CHEM 401 (minimum 70%) ***~~

* Note: Students can only receive credit for one of CHEM 402 and BIOC 402.

II. Department of Computer Science

CS 320 3:3-0 (202130) **Introduction to Artificial Intelligence**

Foundations and main methods of Artificial Intelligence. Problem characteristics and spaces. Search and optimization techniques with a focus on uninformed and heuristic algorithms. Two player games and constraint satisfaction. Modelling and simulation. Comparison of logic-based, fuzzy, and probabilistic reasoning and knowledge representation methodologies. Machine learning: learning tasks, inductive learning, statistical-based learning, over-fitting, accuracy. ***Prerequisite: CS 210, STAT 160 or 200, and MATH 221***

Students cannot receive credit for both CS 320 and ENSE 411 (ENSE 496AC).

III. Department of Physics

ASTR 290AA ASTR 119 3:3-0 (202130) **Astrobiology**

~~Various topics from Astrobiology, Planetary Science and Cosmology will be presented and explored.~~
Where could aliens live, and what might they look like? This course is an examination of the prospects for extraterrestrial life, based primarily on material from astronomy, biology, and planetary science. Topics include the origin and evolution of life on Earth, extremophiles, the habitability of Mars and Jovian moons, the nature and habitability of exoplanets, SETI, the Drake equation, and the Fermi paradox.

Prerequisite: MATH 103 or MATH 110 and ASTR 101 or PHYS 109 or 111 Successful completion of 12 credit hours

ASTR 300 3:1-2 (202130) **Astronomical Observation**

This course will teach astronomical observing techniques through hands-on telescopic observations, remote telescopic observations, and data mining. It will cover various techniques of data reduction for different observational goals, as well as for astrophotography and pleasure.

Prerequisites: Phys 111 and 112.

PHYS 140 3:3-0 (202130) **Physics of Energy and the Environment**

An exploration of the energy used in a wide variety of systems including cars and homes. Physical concepts will be applied to various energy production schemes and usages found in our lives. We will discuss today's dominant energy sources and the alternative energy sources of tomorrow. This semi quantitative course will provide a scientific foundation for the energy issues facing society. The course materials contain examples with Indigenous elements. No physics background is required.

(End of Report from Faculty of Science)

4.3. UR International and Enrolment Services

4.3.1. ENGLISH LANGUAGE PROFICIENCY TEST - DUOLINGO

<p>MOTION: That the Duolingo Online English Test with a minimum score of 110 be accepted as an approved test of proficiency in English for undergraduate admissions, on a temporary basis for the 2021-2022 academic year (May 1 to April 30), effective immediately.</p>

Rationale: Challenges due to COVID-19 continue to pose barriers to access English Language test centers for prospective students around the world (such as International English Language Testing System). Many other Canadian universities continue to accept the Duolingo Online English Test. Accepting Duolingo's online English test will allow the U of R to be as accessible as other Canadian universities that are already using Duolingo, and will help students in applying for admission to the U of R. Currently, UR International is accepting Duolingo's online English test as a pilot, and upon further research, may add this test to the acceptable test options going forward. This motion is also supported by FGSR and will be presented at the FGSR Council.

What is Duolingo?

The Duolingo English Test is an English proficiency test that can be taken online, on-demand, in under one hour for \$49 USD. Certified results are available within 48 hours of the test session and applicants can request Duolingo to send results directly to our admission office. For more information about the Duolingo online English test, please visit <https://englishtest.duolingo.com/applicants>

IELTS Equivalencies to the Duolingo Scale:

IELTS	Duolingo
7.0	115-120
6.5	105-110
6.0	95-100

Canadian Universities that Accept the Duolingo Online English Test:

University of Alberta <https://www.ualberta.ca/admissions/international/admission/admission-requirements/language-requirements>

University of Saskatchewan <https://admissions.usask.ca/requirements/english-language-proficiency.php#ProofofEnglishproficiency>

University of Winnipeg <https://www.uwinnipeg.ca/future-student/international/lang-req.html>

Lakehead University <https://www.lakeheadu.ca/studentcentral/applying/english-language-proficiency-requirements>

Concordia University <https://www.concordia.ca/admissions/undergraduate/requirements/english-language-proficiency.html>

University Comparisons:

	Duolingo	IELTS Comparison
University of Alberta	Score of 115 or better	6.5, no band less than 5.5
University of Saskatchewan	Score of 110 or better	6.5, no band less than 6.0
University of Winnipeg	Score of 115 or better	6.5 overall
Concordia University	Score of 120	7.0, no band less than 5.5
Lakehead University	Score of 110 or better	6.5, with no band below 6.0

End of Report from UR International and Enrolment Services

5. Adjournment
