Academic Programs Committee of Council

University Course Challenge

Scheduled posting: March 2023

The following types of curricular and program changes are approved by the University Course Challenge -- additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

Contents include submissions for information and approval from the following colleges:

College of Agriculture and Bioresources
College of Arts and Science
College of Graduate and Postdoctoral Studies
College of Nursing

Approval: Date of circulation: March 16, 2023
Date of effective approval if no challenge received: March 31, 2023

Next scheduled posting:

The next scheduled posting will be April 14, 2023, with a submission deadline of **April 12, 2023.** Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in Registrarial Services and amanda.storey@usask.ca in the Governance Office.

College of Agriculture and Bioresources – March 2023 University Course Challenge

The following has been approved by the College of Agriculture and Bioresources and is now being submitted to University Course Challenge for approval: **FABS 466.3.**

New Course Proposal

FABS 466.3 - Carbohydrate Science and Technology

This course will focus on carbohydrates which are an important component in many food products, and they play critical roles in the quality and nutritional value of foods. The course provides an advanced overview of carbohydrate structures and their relationships to the functional properties and bioavailability. The course covers current topics on carbohydrate modification, functionality, analytical methodologies, utilization and nutrition in research and industry.

Prerequisite(s): FABS 110 and CHEM 250

Note: This course, as a former FABS 498 special topics course was cross-listed with **FDSC 866**. The college's intention moving forward is that upon formal approval from University Course Challenge for FABS 466 as an undergraduate course, that this newly regularized course of FABS 466 will similarly be cross-listed with FDSC 866.

Rationale: This course is integral to create as a new course because carbohydrates are a significant component in many Saskatchewan crops and food products. This course covers current topics on carbohydrate modification, functionality, analytical methodologies, utilization and nutrition in research and industry. The advanced knowledge and technologies that will be taught in the course will benefit students in Food Science and other relevant disciplines at the *University of Saskatchewan*. In the long term, this course will also be useful for students to continue their graduate studies in Food Science, Carbohydrate Chemistry and Nutrition, and other relevant research areas.

University Course Challenge – March 2023
The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge, and by the relevant college-level Academic Programs Committee, and are now submitted to the University Course Challenge for approval.

Contact: Alexis Dahl (alexis.dahl@usask.ca)

Applied Computing

Minor program revisions
Bachelor of Science Honours and Four-year in Applied Computing – Geomatics Concentration
Add PLSC 202.3 and 402.3 as optional courses in the Geomatics concentration.

Bachelor of Science Honours (B.Sc. Honours) - Applied Computing - Geomatics
C4 Major Requirement (63 credit units)

- **CMPT 141.3** Introduction to Computer Science
- **CMPT 145.3** Principles of Computer Science
- **CMPT 260.3** Mathematical Logic and Computing
- **CMPT 270.3** Developing Object-Oriented Systems
- **CMPT 280.3** Intermediate Data Structures and Algorithms
- **CMPT 318.3** Data Analytics
- **CMPT 384.3** Information Visualization
- **CMPT 487.3** Image Processing and Computer Vision
- **GEOG 222.3** Introduction to Geomatics
- **GEOG 322.3** Introduction to Geographic Information Systems
- **GEOG 302.3** Quantitative Methods in Geography
- **GEOG 323.3** Remote Sensing
- **STAT 245.3** Introduction to Statistical Methods

Choose **3 credit units** from the following:

- **GEOG 120.3** Introduction to Global Environmental Systems
- **GEOG 125.3** Environmental Science and Society
- **GEOG 130.3** Environment Health and Planning

Choose **3 credit units** from the following:

- **CMPT 407.3** Research Topics in Applied Computing
- **GEOG 490.3** Honours Thesis in Hydrology or Geomatics
- **PLAN 490.3** Senior Planning Studio

Choose **12 credit units** from the following, from any of the three areas, with at least one course at the 400-level:

Software Engineering:

- **CMPT 214.3** Programming Principles and Practice
- **CMPT 353.3** Full Stack Web Programming
- **CMPT 370.3** Intermediate Software Engineering

Analytics:

- **CMPT 317.3** Introduction to Artificial Intelligence
- **CMPT 360.3** Machines and Algorithms
- **CMPT 423.3** Machine Learning
- **CMPT 489.3** Deep Learning and Applications

User Interface and Visualization:

- **CMPT 360.3** Machines and Algorithms
- **CMPT 381.3** Implementation of Graphical User Interfaces
- **CMPT 481.3** Human Computer Interaction
- **CMPT 484.3** Graph Drawing and Network Visualization

Choose **6 credit units** from the following three~~, from any of the two~~ areas:

Planning:

- **PLAN 350.3** Transportation Planning and Geography
- **PLAN 360.3** Urban Data Analysis and Visualization
- **PLAN 390.3** Research and Field Methods in Planning

Geography:

- **GEOG 420.3** Cartography and Professional Communication
- **GEOG 423.3** Advanced Remote Sensing

Precision Agriculture:

- **PLSC 202.3** Introductory Precision Agriculture and **PLSC 402.3** Advanced Precision Agriculture

Bachelor of Science (B.Sc. Four-year) - Applied Computing - Geomatics
C4 Major Requirement (60 credit units)

- **CMPT 141.3** Introduction to Computer Science
- **CMPT 145.3** Principles of Computer Science
- **CMPT 260.3** Mathematical Logic and Computing
- **CMPT 270.3** Developing Object-Oriented Systems
- **CMPT 280.3** Intermediate Data Structures and Algorithms
- **CMPT 318.3** Data Analytics
- **CMPT 384.3** Information Visualization
- **CMPT 487.3** Image Processing and Computer Vision
- **GEOG 222.3** Introduction to Geomatics
- **GEOG 322.3** Introduction to Geographic Information Systems
- **GEOG 302.3** Quantitative Methods in Geography
- **GEOG 323.3** Remote Sensing
- **STAT 245.3** Introduction to Statistical Methods

Choose **3 credit units** from the following:

- **GEOG 120.3** Introduction to Global Environmental Systems
- **GEOG 125.3** Environmental Science and Society
- **GEOG 130.3** Environment Health and Planning

Choose **12 credit units** from the following, from any of the three areas:

Software Engineering:

- **CMPT 214.3** Programming Principles and Practice
- **CMPT 353.3** Full Stack Web Programming
- **CMPT 370.3** Intermediate Software Engineering

Analytics:

- **CMPT 317.3** Introduction to Artificial Intelligence
- **CMPT 360.3** Machines and Algorithms
- **CMPT 423.3** Machine Learning
- **CMPT 489.3** Deep Learning and Applications

User Interface and Visualization:

- **CMPT 360.3** Machines and Algorithms
- **CMPT 381.3** Implementation of Graphical User Interfaces
- **CMPT 481.3** Human Computer Interaction
- **CMPT 484.3** Graph Drawing and Network Visualization

Choose **6 credit units** from the following three~~, from any of the two~~ areas:

Planning:

- **PLAN 350.3** Transportation Planning and Geography
- **PLAN 360.3** Urban Data Analysis and Visualization
- **PLAN 390.3** Research and Field Methods in Planning

Geography:

- **GEOG 420.3** Cartography and Professional Communication
- **GEOG 423.3** Advanced Remote Sensing

Precision Agriculture:

- **PLSC 202.3** Introductory Precision Agriculture and **PLSC 402.3** Advanced Precision Agriculture

Rationale: As agriculture becomes more automated, more scientific, and more quantitative, the range of applied computing expands. Although agriculture is a specific focus, it employs many geography and planning systems and techniques. These changes reflect this changing scope for computational elements of geography and planning. (Note: Students who choose the PLSC courses will be required to take both to fulfill the revised requirement.)

Biochemistry, Microbiology and Immunology

Minor course revisions
BMIS 390.3 Experimental Microbiology and Immunology
Add permanent exam exemption.
Rationale: BMIS 390.3 is a lab course, with emphasis on learning technical skills as well as the collection, analysis, and interpretation of data. Exams are replaced by reports that allow students to analyze, interpret, and write-up multiple sets of related data (based on the techniques in the previous weeks' laboratories), and to form conclusions and propose future directions in a manuscript format, mirroring work done by professional scientists in this field.

Computer Science

Minor program revisions
Bachelor of Science Four-year in Computer Science
Add MATH 266 as an optional course in the C4 Major Requirement.

Bachelor of Science Four-year (B.Sc. Four-year) - Computer Science
C4 Major Requirement (60 credit units)

- CMPT 116.3 or **CMPT 141.3** Introduction to Computer Science
- CMPT 117.3 or **CMPT 145.3** Principles of Computer Science
- **CMPT 214.3** Programming Principles and Practice
- **CMPT 215.3** Introduction to Computer Organization and Architecture or **CME 331.3** Microprocessor Based Embedded Systems
- **CMPT 260.3** Mathematical Logic and Computing
- **CMPT 270.3** Developing Object-Oriented Systems
- **CMPT 280.3** Intermediate Data Structures and Algorithms

Choose **18 credit units** from the following:

- **CMPT 317.3** Introduction to Artificial Intelligence
- **CMPT 332.3** Operating Systems Concepts
- **CMPT 340.3** Programming Language Paradigms
- **CMPT 353.3** Full Stack Web Programming
- **CMPT 360.3** Machines and Algorithms
- **CMPT 370.3** Intermediate Software Engineering
- **CMPT 381.3** Implementation of Graphical User Interfaces

Choose **6 credit units** of CMPT courses with number 410 or higher:

Note: Courses numbered 400 - 409 may not be used to fulfill this requirement

- **CMPT — 400-Level**

Choose **3 credit units** from the following:

- **CMPT — 300-Level, 400-Level**
- at most 2 courses from **CME 332.3** Real Time Computing, **CME 341.3** Logic Design Using FPGAs, **CME 342.3** Introduction to Digital Integrated Circuits and System on Chip, **CME 433.3** Digital Systems Architecture, **CME 435.3** Verification of Digital Systems

Choose **3 credit units** from the following:

- **MATH 110.3** Calculus I
- **MATH 133.4** Engineering Mathematics I
- **MATH 176.3** Advanced Calculus I

Choose **3 credit units** from the following:

- **STAT 242.3** Statistical Theory and Methodology*
- **STAT 245.3** Introduction to Statistical Methods*
- **EE 216.3** Probability Statistics and Numerical Methods

*Though not recommended, other courses from list A or C in the **Statistics Course Regulations**, in which the student received a grade of 70% or higher, may be used in lieu of STAT 242 or STAT 245. Students should be aware that substituted courses will not be accepted as prerequisites for CMPT 394, CMPT 423, or CMPT 489.

Choose **6 credit units** from the following:

- **MATH 116.3** Calculus II or **MATH 133.4** Engineering Mathematics I or **MATH 177.3** Advanced Calculus II
- **MATH 211.3** Numerical Analysis I
- **MATH 223.3** Calculus III for Engineers
- **MATH 225.3** Intermediate Calculus I
- **MATH 266.3** Linear Algebra II
- **MATH 276.3** Vector Calculus I
- **MATH 327.3** Graph Theory
- **MATH 328.3** Combinatorics and Enumeration
- **MATH 361.3** Group Theory and **MATH 362.3** Rings and Fields
- **MATH 364.3** Number Theory
- **STAT 241.3** Probability Theory
- **STAT 344.3** Applied Regression Analysis
- **STAT 345.3** Design and Analysis of Experiments
- **STAT 348.3** Sampling Techniques
- **PHIL 243.3** Introduction to Symbolic Logic II

Rationale: Adding MATH 266 provides greater flexibility, and allows students to choose a course that directly supports some computer science topics, such as graphics, visualization, machine learning, and recurrent networks.

Minor course revisions
BINF 351.3 Introduction to Bioinformatics
Prerequisite change:
Old prerequisite: BIOL 121.3 or BMSC 200.3; and one of CMPT 145.3 or (BINF 151.3 with permission of the department).
New prerequisite: BIOL 121.3 or BMSC 200.3; and one of CMPT 145.3 or (CMPT 141.3 or BINF 151.3 with permission of the department).
Rationale: This will create an appropriate pathway into BINF 351 for students who have taken CMPT 141, who are not able to then take BINF 151, but also may not have space in their program to also take CMPT 145.

CMPT 317.3 Introduction to Artificial Intelligence
Prerequisite change:
Old prerequisite: CMPT 260; and CMPT 280; and one of STAT 242 or STAT 245 or EE 216 or ME 251.
New prerequisite: CMPT 260; and CMPT 280; and STAT 245 or equivalent (including EE 216 or ME 251).
Rationale: This change rationalizes the Statistics requirements for mainstream computer science courses, bring it in line with all but the statistics-intensive CMPT 39.4, CMPT 423.3, and CMPT 489.3.

Computing

Minor program revisions
Certificate in Computing
Add CMPT 318.3, 333.3, 353.3 and 381.3 as optional courses in this program, remove closed courses (CMPT 113.3, 116.3 and 117.3, and MATH 121.3), and add equivalent introductory courses (CMPT 142.3 and 146.3, and MATH 133.4 and 177.3).

Requirements (21 credit units)

- **CMPT 214.3** Programming Principles and Practice
- **CMPT 270.3** Developing Object-Oriented Systems
- **CMPT 280.3** Intermediate Data Structures and Algorithms

Choose **3 credit units** from the following:

- ~~CMPT 113.3~~
- ~~CMPT 116.3~~
- **CMPT 141.3** Introduction to Computer Science
- **CMPT 142.3** Introduction to Computer Science for Engineers

Choose **3 credit units** from the following:

- ~~CMPT 117.3~~
- **CMPT 145.3** Principles of Computer Science
- **CMPT 146.3** Principles of Computer Science for Engineers (Computer and Electrical Engineering, and Engineering Physics)

Choose **3 credit units** from the following:

- **CMPT 318.3** Data Analytics
- **CMPT 333.3** Computer Security
- **CMPT 353.3** Full Stack Web Programming
- **CMPT 370.3** Intermediate Software Engineering
- **CMPT 381.3** Implementation of Graphical User Interfaces
- **CMPT 384.3** Information Visualization
- **CMPT 394.3** Simulation Principles

Choose **3 credit units** from the following:

- **MATH 110.3** Calculus I
- **MATH 133.4** Engineering Mathematics I
- ~~MATH 121.3~~

- **MATH 177.3** Advanced Calculus II
- **STAT 242.3** Statistical Theory and Methodology
- **STAT 245.3** Introduction to Statistical Methods

Rationale: Adding CMPT 318.3, 333.3, 353.3 and 381.3 will provide more flexibility to select from the current skill-based courses offered. Changes to introductory CMPT and MATH courses aligns the program options with the current courses offered at this level.

History

New course(s):
HIST 411.3 Topics in Medieval History 1000 to 1500
1/2 (3S) Medieval Europe (including Britain) experienced profound transformation between 1000 CE and 1500 CE. Built upon the institutions of early Christian Europe and the remnants of classical civilization, the high and late Middle Ages produced many of the social, cultural, intellectual, religious, legal, and political institutions that still operate in Europe and the European diaspora today. Investigation of the medieval period is thus interdisciplinary and requires flexible approaches to a wide range of written and material sources. Working closely with the course instructor, senior undergraduate students will work on a narrowly focussed topic of their choice within the framework of the course topic. This course will require students to hone their skills in primary and secondary research, clear communication and presentation, and written argumentation.
Prerequisite(s): 6 credit units of senior-level HIST of which 3 credit units must be 300-level or permission of the department.
Note: Students may take this course more than once for credit, provided the topic covered in each offering differs substantially. Students must consult the Department to ensure that the topics covered are different.
Instructor(s): Sharon Wright
Rationale: The department of History is working to improve the range of 400-level courses offered so that the program offers a wider variety of learning experiences at this level.

Physics

Minor course revisions
ASTR 214.3 Astronomical Spectroscopy
Prerequisite change:
Old prerequisite: One of ASTR 113.3, PHYS 115.3, PHYS 155.3 or PHYS 156.3
New prerequisite: ASTR 213.3
Change to Note:
Old Note: Students with credit for ASTR 212 may not take this course for credit. Offered in 2015-2016, then in alternate years.
New Note: Students with credit for ASTR 212 may not take this course for credit.
Rationale: ASTR 213 and 214 were previously offered in alternating years, with some overlapping course content. We will now offer both courses each year, but with ASTR 213 now listed as prerequisite for ASTR 214. This will allow the basics of CCD imaging and image reduction to be covered only in 213, rather than in both courses. Students wanting to complete the Certificate in Astronomy in one (more) year may be granted a prerequisite waiver if they have previously taken ASTR 113 during the previous winter term and want to take ASTR 213 and 214 concurrently during the fall term.

Items for Information
The policy revision listed below was approved through the Arts & Science College Course and Program Challenge and is now submitted to the University Course Challenge for information.

Archaeology and Anthropology

Minor course revision
ANTH 457.3 Zooarchaeology I
New course number: **305.3**
Rationale: Moving this course to the 300-level will help to make this first course in zooarchaeology more accessible to students, and potentially increase enrolment. The prerequisite for this course (ARCH 250.3) creates no barrier to moving this course to the 300-level.

Drama

Minor course revision
DRAM 362.3 Voice and Speech for the Actor I
New course title: **Vocology Lab I Finding Your Voice**
New short title: Vocology Lab I
New course description: Develop a voice that makes people listen. Vocal production and interpretation for effective public speaking and performance. Through practical exploration and exercises in relaxation, postural alignment, support of tone, placement of sound and foundational articulation, students will develop awareness of vocal anatomy and facility in healthy vocal technique to support easeful and impactful public speaking. Emphasis on freeing the vocal apparatus of tension and connecting with the listener. Appropriate for dedicated students preparing for a career requiring professional voice use including actors, teachers, singers, lawyers, marketing professionals, sports coaches, athletes, and business executives.
Prerequisite change:
Old prerequisite: DRAM 219 and an audition. Permission of the department required.
New prerequisite: DRAM 119.3.
Rationale: Because DRAM 362 deals with the fundamentals of voice production, anatomy and the use of prosody to strengthen students' ability to speak persuasively, it is not only useful for students seeking a career in dramatic performance, and therefore should not be limited to students who are pursuing this path. Appropriate for students preparing for a career requiring professional voice use including actors, teachers, singers, lawyers, marketing professionals, sports coaches, athletes, and business executives.

College of Graduate and Postdoctoral Studies, University Course Challenge – March 2023

The following new courses and curricular changes have been approved by the College of Graduate and Postdoctoral Studies and are now being submitted to University Course Challenge for approval:

Contact: Melissa Kyrejto (melissa.kyrejto@usask.ca)

Business Administration

Program modification:
Master of Business Administration (M.B.A.) - Course-based

Degree Requirements

- GPS 960.0
- GPS 961.0
- GPS 962.0

A minimum 45 credit units including the following:

- MBA 803.3
- MBA 813.3
- MBA 819.3
- MBA 825.3
- MBA 828.3
- MBA 829.3
- MBA 830.3
- MBA 846.3
-
-
-
- MBA 865.3
-
- MBA 870.3

Deleted: MBA 859.4

Deleted: MBA 862.4

Deleted: MBA 863.2 or an approved elective from an international partner institution or an Edwards "taught abroad" course

Deleted: MBA 866.2

- MBA 877.3
- MBA 878.3
- MBA 885.3
- MBA 889.3
- MBA 992.3

Rationale: Based on student, staff and faculty experience and feedback we are reverting to consistency in number of credit hours for each course.

Approved by CGPS' Graduate Programs Committee on February 7th, 2023.

Mathematics

Program modification:
Transfer from Master's to Ph.D.

It may be possible, in certain circumstances, to transfer from the MSc program to the PhD program. If the candidate is eligible, then the transfer process can take place after the end of the first year of the MSc program and no later than the end of the second year. The recommendation for the transfer must be initiated through a formal meeting of the candidate's Advisory Committee. The following conditions must be met:

- The student must have completed at least 9 credit units of coursework at the 800-level and must have achieved a minimum average of 80%. No final mark in any individual course may be below 70%.
- In the opinion of the Advisory Committee, the student must have demonstrated substantial promise as measured by academic accomplishments, the acquisition of discipline-specific knowledge, and the potential for research.
- The student must also have demonstrated strong writing and oral communication abilities.
- The student must have successfully completed the PhD Qualifying Examination prior to being recommended for transfer. This examination for the purposes of transfer can only be taken once. A student failing the Qualifying Examination cannot be recommended for transfer.

Degree Requirements

Students must maintain continuous registration in the 996 course.

- GPS 960.0
- GPS 961.0, if research involves human subjects
- GPS 962.0, if research involves animal subjects
- MATH 990.0

- MATH 996.0
- a minimum of 24 credit units at the 800-level (including MSc course work)
- comprehensive exam
- successful thesis defence

Deleted: qualifying exam

Rationale: This change is to clarify in the Course and Program Catalogue the conditions and procedure for a student to Transfer from the MSc to the PhD in Mathematics. This also will align with the proposed transfer program for Statistics.

Approved by CGPS' Graduate Programs Committee on February 7th, 2023.

Nursing

Course deletion:
NURS 882.3: Practicum
Opportunity is provided to test and evaluate selected frameworks related to teaching, leadership, or research with an expert in one of those areas. The focus is on the integration of theory, research and practice.
Weekly hours: 3 Practicum/Lab hours
Prerequisite(s) or Corequisite(s): NURS 812 or NURS 813 for course-based stream; NURS 892 for thesis stream.
Rationale: This course is not part of the curriculum of the current Master of Nursing Professional Practice program.

Approved by CGPS' Graduate Programs Committee on February 7th, 2023.

Toxicology

New course:
TOX 805.3: Next-Generation Methods in Toxicology
This course will provide an overview of 21st-century approaches in toxicology covering all levels of biological organization, from molecules to ecosystems. "Omics" methods to explore the impacts of chemical stressors on the diversity of transcripts (transcriptomics), proteins (proteomics), and metabolites (metabolomics) will be particularly emphasized. Exciting novel concepts, such as epigenetics and environmental DNA (eDNA) will be introduced and their use in toxicology and chemical risk assessment discussed. Last, students will be acquainted with various computational tools required to process the very large datasets resulting from these methods.
Prerequisite(s) or Restriction(s): Toxicology undergraduate degree/major, or permission from the instructor on a

case-by-case basis.
Note(s): This course is a hybrid course with TOX 405, and this course cannot be taken for credit after previously taking TOX 405.
Instructor: Markus Brinkmann
Rationale: There is a critical need in the Toxicology Graduate Program for courses that introduce and familiarize students with the principles and application and new-approach methodologies (NAMs), molecular and modelling techniques, as well as mass spectrometry in toxicology and chemical risk assessment. TOX 805 will fill this gap.

Approved by CGPS' Graduate Programs Committee on February 7th, 2023.

Items For Information

The following new courses and curricular changes have been approved by the College of Graduate and Postdoctoral Studies and are now being submitted to University Course Challenge for information.

Program Correction:
Master of Sustainability (M.Ss.) - Project-based and Course-based
In the **Regenerative Sustainability** field of study – ENVS 882.3 – Foundations of Governance for Sustainability – was errantly included. This was a typo. The course **ENVS 886.3** – Building Understanding in the Age of Reconciliation – is the course which should have been included.

Course modification(s):
ILBE 992.3: Indigenous Land Based Education Capstone Course
Current course description: Students will demonstrate their scholarship in Indigenous land-based education through their capstone projects. Students will be continuously enrolled in this course through the seven terms of the program, creating a portfolio which may include multimedia presentations, critical reflections, professional development, workshops for peers, and programs developed during and through their courses in this program. The capstone project will be a synthesis of this portfolio. The components of the capstone project will be presented during the final term of the program.
Proposed course description: Students will demonstrate their scholarship in Indigenous land-based education through their capstone projects. Students will be continuously enrolled in this course through the seven terms of the program, creating a portfolio which may include multimedia presentations, critical reflections, professional development, workshops for peers, and programs developed during and through their courses in this program. The portfolio may also include a community-based project. The capstone project will be a synthesis of this

portfolio. The components of the capstone project will be presented during the final term of the program.
Rationale: The course description was edited to include reference to the community-based project option.

LING 818.3: Second Language Acquisition
Current long title: Second Language Acquisition
Proposed long title: Topics in Second Language Studies
Current short title: Second Language Acquisition
Proposed short title: Topics in Second Lang Studies
Rationale: LING 818 was errantly titled the same as an undergraduate LING course. The new title clarifies that these courses are in fact different in subject matter.

MBA 825.3: Financial Management
Current prerequisite: MBA 803.3
Proposed prerequisite: MBA 885.3
Current note: None
Proposed note: Students with credit for MBA 862.4 cannot take this course for credit.
Rationale: MBA 885 has replaced MBA 803 as the first course in the program and serves as a prerequisite for all other courses in the program. MBA 825.3 is replacing MBA 862.4 program requirements.

MBA 829.3: Financial Statement Analysis
Current prerequisite: MBA 803.3
Proposed prerequisite: MBA 885.3
Current note: None
Proposed note: Students with credit for MBA 859.4 cannot take this course for credit.
Rationale: MBA 885 has replaced MBA 803 as the first course in the program and serves as a prerequisite for all other courses in the program. MBA 829.3 is replacing MBA 859.4 in the program requirements.

MBA 878.3: International Business and Global Marketing
Current prerequisite: MBA 803.3
Proposed prerequisite: MBA 885.3
Current note: None
Proposed note: Students with credit for MBA 863.2 cannot take this course for credit.
Rationale: MBA 885 has replaced MBA 803 as the first course in the program and serves as a prerequisite for all other courses in the program. MBA 878.3 is replacing MBA 863.2 in the program requirements.

MBA 889.3: Integrative Modules
Current title: Integrative Modules
Proposed title: Innovation Management
Current Course Description: Provides students with an opportunity to integrate the knowledge gained in the individual functional areas. This will be a case based approach including case instruction, discussion, analysis, presentation and writing.
Proposed Course Description: Students in this course will first understand the value of innovation (via research and experiences), then proceed to an experiential process to develop a context to support a sustainable innovation framework in organizations. This is a multi-stage process that includes assessing innovation culture and aligning that culture to support strategic growth. Participants will engage in group processes and will use tools for brainstorming, prioritizing ideas, and developing a business case for advancing the innovation platform of the organization.
Current prerequisite or Corequisite: MBA 803.3
Proposed prerequisite or Corequisite: MBA 885.3
Current Note: MBA 889 is to be taken in the final year of a student's program.
Proposed Note: MBA 889 is to be taken in the final year of a student's program. Students with credit for MBA 866.2 cannot take this course for credit.
Rationale: MBA 885 has replaced MBA 803 as the first course in the program and serves as a prerequisite for all other courses in the program. MBA 889.3 is replacing MBA 866.2 in the program requirements. The changes to course title and description are needed because this course has changed since it was last offered.

NORD 992.0: Research - Project
Current course description: Students are required to write a research paper of 10,000 to 12,000 words based on original research carried out within Northern and Aboriginal communities during the internship. The research paper is the final component of the program and is a requirement.
Proposed course description: Students are required to write a research paper of 12,000 to 15,000 words (40-45 pages) related to Northern and Indigenous communities, often building on the research completed during the applied research project and throughout the program courses. The research paper is the final required component of the program.
Rationale: To update NORD 992 course description to reflect current practices at JSGS and align UiT's course description.

College of Nursing – March 2023 University Course Challenge

The following has been approved by the College of Nursing and is now being submitted to University Course Challenge for approval:

New Course Proposal

NURS 120.3 Human Anatomy for Nursing 1/2 (3L)

> An introductory to human anatomy course that uses a combined regional and systemic approach to examine the relationships and organization of the major structures within the thorax, abdomen, head/neck, and back/limbs regions of the body. The gross anatomy course uses a systems approach to prepare students to understand relationships among structures that contribute to the functioning of organ systems.

Prerequisite(s) or Corequisite(s): BIOL 120.3

Rationale: The knowledge of anatomy, gained in the pre-professional year, will support student learning in the application of anatomical terminology, structure and function, on entrance to the BSN program in term one, when learning physical assessment skills. At present a moderate amount of time is spent teaching anatomy in courses during the first year in term 1: as the NURS 207/208: Human Body Systems for Nursing 1 & 2 – as the anatomy content continues to be taught in term 2.

Pending approval of this new course through University Course Challenge, it will be proposed as a new requirement in the pre-professional year of the Bachelor of Science in Nursing (B.S.N.) program, effective for the 2024-25 admission cycle. The revisions to the pre-professional year of the B.S.N. require the approval of the Academic Programs Committee and the University Council, as well as confirmation of the Education Committee of Senate.