Academic Programs Committee of Council

University Course Challenge

Scheduled posting: **January 2025**

Date of circulation: **January 16, 2025**

Date approval is effective if no challenge received: **January 31, 2025**

Curricular and program changes approved by University Course Challenge include additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

Included are submissions for information and approval from the following colleges and schools:

College of Arts and Science
College of Graduate and Postdoctoral Studies
College of Kinesiology
College of Pharmacy and Nutrition
School of Environment and Sustainability

The next scheduled posting will be **February 13, 2025** with a submission deadline of **February 10, 2025**. Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in the Registrar's Office and danielle.rudulier@usask.ca in the Governance Office.

University Course Challenge – January 2025
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)

Music Education

Minor program revisions
Bachelor of Music Honours and Four-year in Music Education
Add recently approved Teaching Area 2 in Practical and Applied Arts to the options in the Secondary programs.

Bachelor of Music Honours (Music Education) (B.Mus.(Mus.Ed.)) - Secondary
Bachelor of Music (Music Education) (B.Mus.(Mus.Ed.)) - Secondary

G1 Academic Courses (30 credit units)
…

Choose **15 credit units** from a subject that is chosen to be Teaching Area II:

It is recommended that students contact the Undergraduate Student Office for advice on choosing courses for this teaching area.
Note: If any of the required academic courses are part of the chosen Teaching Area II, they will be used for the Teaching Area and replaced with an additional course(s) approved for credit in Arts and Science.

(G1 Teaching Area 2) - Biology (15 credit units)

(G1 Teaching Area 2) - Chemistry (15 credit units)

(G1 Teaching Area 2) - Drama (15 credit units)

(G1 Teaching Area 2) - English Language Arts (12 credit units)

(G1 Teaching Area 2) - Mathematics (15 credit units)

(G1 Teaching Area 2) - Modern Languages (15 credit units)

(G1 Teaching Area 2) - Indigenous Studies (15 credit units)

(G1 Teaching Area 2) – Practical and Applied Arts (15 credit units)

Choose **15 credit units** from the following:

Agriculture

- AGRC 111.3 Introduction to Plant and Soil Sciences
- AGRC 112.3 Animal Agriculture and Food Science
- AREC 230.3 Innovation and Entrepreneurship

- FABS 110.3 The Science of Food
- FABS 222.3 Improving Food Security through Food Science and Technology
- PLSC 202.3 Introductory Precision Agriculture
- PLSC 213.3 Principles of Plant Ecology
- PLSC 235.3 Urban Agriculture
- PLSC 311.3 General Apiculture
- SLSC 232.3 Soil Genesis and Classification
- SLSC 240.3 Agricultural Soil Science

Business and Financial Literacy

- COMM 101.3 Introduction to Business
- COMM 105.3 Introduction to Organizational Behaviour
- COMM 201.3 Introduction to Financial Accounting
- COMM 204.3 Intro to Marketing
- COMM 210.3 Introduction to Management Accounting
- COMM 306.3 Ethics and Strategic Decision Making
- COMM 352.3 Marketing Strategy

Communication, Media and Design

- ART 161.3: Foundation in Photography I
- ART 216.3: Photography II
- ART 217.3: Photography II
- ART 220.3: Drawing and Related Work II A
- ART 221.3: Drawing and Related Work II B
- DRAM – 100-Level, 200-Level, 300-Level, 400-Level

Entrepreneurship

- COMM 101.3: Introduction to Business
- COMM 104.3: Business Statistics 1
- COMM 201.3: Introduction to Financial Accounting
- COMM 203.3: Introduction to Finance
- COMM 204.3: Introduction to Marketing
- COMM 349.3: Introduction to Entrepreneurship

(G1 Teaching Area 2) - Physical Education (12 credit units)

(G1 Teaching Area 2) - Physics (15 credit units)

(G1 Teaching Area 2) - Social Sciences/Social Studies (15 credit units)

(G1 Teaching Area 2) - Visual Arts (15 credit units)

Rationale: This new Teaching Area 2 option was approved for the Bachelor of Education Secondary programs in the October 2024 University Course Challenge. The Music Education programs include all of the approved teaching areas for education that are able to combine with the music requirements, though the list of eligible courses for each is restricted to the courses which may be counted for credit in Arts & Science.

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

University Course Challenge – January 2025
The curricular revisions listed below were approved through the Graduate Programs Committee of the College of Graduate and Postdoctoral Studies and are now submitted to the University Course Challenge for approval.

Contact: Chelsea Smith, CGPS Academic Affairs Specialist (chelsea.smith@usask.ca or gradprograms.academicaffairs@usask.ca)

ANATOMY, PHYSIOLOGY AND PHARMACOLOGY

New course:

APPY 808.3 Everything Changed When They Wrote Science As Story

Description: This unconventional hands-on hybrid lecture/seminar course formally applies the irrefutable power of storytelling to science writing so that you can have the impact you want and need on your readers and your research field. Regular in-class writing exercises and discussions aim to catalyze learner self-discovery and empowerment in narrative writing skills. Students will read, reflect and write a lot in ways they may not have before, consciously harness their creativity and critical thought, and incorporate a story-based toolkit into their work processes. Professional science writing skillsets learned from this course will be applicable instantly and directly to thesis and manuscript writing.
Restrictions: open only to PhD and MSc students in a USask science graduate program
Proposed instructor: Dr. Julia Boughner
Rationale: This new graduate course is proposed to bolster the high-quality course offerings at the 800- level for our MSc and PhD students fulfilling the course requirements of their APPY graduate biomedical program (and other USask science programs). This new course does not create any restrictions, and neither replaces nor duplicates in any way an existing course. This course is proposed in part as a response to increasing use of GenAI writing tools, by students who lack a strong foundation in scientific writing. Beyond current challenges of GenAI tools, communicating scientific findings using a story-based approach is a powerful strategy, but is not taught formally to USask graduate students. These skills are particularly vital to students in the process of writing their thesis and any original manuscripts reporting their findings. This course teaches students how to use a narrative framework to design research studies, think through and write up original scientific findings, as well as read and interpret primary sources while writing literature reviews. The seminar format includes many hours of hands-on in-person writing exercises and discussions. Enthusiastic critical feedback from CPPS undergraduate and APP graduate students was incorporated carefully into the course design. Métis and First Nations colleagues at the Gwenna Moss Centre for Teaching Effectiveness provided invaluable guidance towards Indigenizing the course, specifically around the cultural impact of storytelling. This new course is designed and taught by Dr. Julia Boughner, Professor, Dept. APP, with 20+ years of science public outreach expertise and communication training, including with Jay Ingram (Discovery Channel's "Daily Planet" show, e.g.). The 2023 recipient of the American Association for Anatomy's Science Communication & Public Engagement Award, she organizes Saskatoon's monthly free Café Scientifique scientist-in-a-pub talks (2013 –). She is published in The Conversation Canada and

was interviewed on CBC's The Nature of Things, among other science communication work over the years.

CIVIL ENGINEERING
Degree requirement changes

Civil Engineering: Master of Science (M.Sc.) - Thesis-based
Degree Requirements
Students must maintain continuous registration in the 994 course.

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects
- **CE 990.0** Seminar
- **CE 994.0** Research – Thesis
- a minimum of ~~15~~ 12 credit units at the 800-level as approved by the advisory committee.

Civil Engineering: Transfer from Master's to Ph.D.
Degree Requirements

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects
- **CE 990.0** Seminar
- **CE 996.0** Research – Dissertation
- a minimum of ~~21~~ 18 credit units at the 800-level as approved by the advisory committee.
- dissertation defense
- doctoral candidacy assessment

Rationale: The department has traditionally had long M.Sc. (and Ph.D.) program completion times and reducing the coursework is expected to help to reduce this time in program. In addition, after discussions with Faculty in the department, 4 courses seem to be a reasonable baseline for all disciplines assuming only graduate-level courses are taken. This update includes the limitation of the 12 CU to 800-level courses only; previously, students were allowed to take 1 senior-level (300-level and 400-level courses) as part of their 5 courses (15 CU). Language in the Graduate Handbook will indicate that course(s) may be added to the Program of Studies in consultation with the student's academic committee (if necessary).

DENTISTRY
Degree requirement changes

Precision Oral and Systemic Health
Master of Science (M.Sc.) - Thesis-based
Degree Requirements

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects
- Students must complete a minimum of 9 credit units at the 800-level as approved by the advisory committee. Recommended courses include:
    - DENT 803.3 Advanced Oral Biology
    - DENT 805.2 Critical Thinking in Translational Research for Oral Health Science
    - DENT 801.3 Organogenesis of Complex Systems from Development to Diseases
    - DENT 802.3 Proteomics Oral Clinical Applications
    - DENT 804.3 Teaching and Leadership Abilities for Dental Education
    - DENT 806.2 Discussion of Social Issues and Science
- thesis defense

All students must maintain continuous registration in the following courses:

- **DENT 990.0** Seminar
- **DENT 994.0** Research – Thesis

Rationale: This language change used to describe the MSc program reflects the College of Dentistry's encouragement for students to take DENT courses whenever possible and unifying language across POSH programs. Given the broad nature of the program, and the diverse research and study being undertaken by POSH students, not every course will be relevant to each student. The list of courses is to provide recommendations, not to require each course as core in each individual program of study.

Precision Oral and Systemic Health
Doctor of Philosophy (Ph.D.) - Non-Direct Entry
Degree Requirements

Students must maintain continuous registration in the 996 course.

- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects

Students must complete a minimum of **6 credit units**~~, including the following:~~ at the 800-level as approved by the advisory committee. Recommended courses include:

- DENT 803.3 Advanced Oral Biology
- DENT 805.2 Critical Thinking in Translational Research for Oral Health Science
- DENT 801.3 Organogenesis of Complex Systems from Development to Diseases
- DENT 802.3 Proteomics Oral Clinical Applications
- DENT 804.3 Teaching and Leadership Abilities for Dental Education
- DENT 806.2 Discussion of Social Issues and Science

~~Based on the Advisory Committee recommendations POSH graduate students may also take any other graduate level course offered by the University of Saskatchewan graduate programs.~~

All students must maintain continuous registration in the following courses:

- DENT 990.0 Seminar
- DENT 996.0 Research – Dissertation Research

In addition to the course work requirements and completing a research project, all students must also complete the following:

- Doctoral candidacy assessment
- Oral dissertation defense

Rationale: The degree requirements were worded in a manner that suggested every 800-level DENT course was required for every student. Given the broad nature of the program, and the diverse research and study being undertaken by students, not every course will be relevant to each student. The list of courses is to provide recommendations, not to require each course as core in each individual program of study. The new wording unifies degree requirement language across all POSH programs.

Precision Oral and Systemic Health
Doctor of Philosophy (Ph.D.) - Direct Entry
Degree Requirements

Students must maintain continuous registration in the 996 course.

- At least 9 credit units of course work at the graduate level must be successfully completed within the first year of the program.
- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects

Students must complete a minimum of **15 credit units**~~, including:~~ at the 800-level as approved by the advisory committee. Recommended courses include:

- DENT 803.3 Advanced Oral Biology
- DENT 805.2 Critical Thinking in Translational Research for Oral Health Science
- DENT 801.3 Organogenesis of Complex Systems from Development to Diseases
- DENT 802.3 Proteomics Oral Clinical Applications
- DENT 804.3 Teaching and Leadership Abilities for Dental Education
- DENT 806.2 Discussion of Social Issues and Science

~~Based on the Advisory Committee recommendations POSH graduate students may also take any other graduate level course offered by the University of Saskatchewan graduate programs.~~

All students must maintain continuous registration in the following courses:

- DENT 990.0 Seminar
- DENT 996.0 Research – Dissertation Research

In addition to the course work requirements and completing a research project, all students must also complete the following:

- Doctoral candidacy assessment
- Oral dissertation defense

Rationale: The degree requirements were worded in a manner that suggested every 800-level DENT course was required for every student. Given the broad nature of the program, and the diverse research and study being undertaken by students, not every course will be relevant to each student. The list of courses is to provide recommendations, not to require each course as core in each individual program of study. The new wording unifies degree requirement language across all POSH programs.

University Course Challenge, January 2025 – College of Kinesiology

The following was approved by the College of Kinesiology Faculty Council and is now submitted to University Course Challenge for approval:

New Course Proposal

KIN 433.3 Self-KINpassion: Self-compassion in Sport and Exercise 2(1.5L-1.5P)

This course will explore the breadth and depth of theory, research, and application of self-compassion in sport and exercise as it pertains to health and wellness. The course will include lecture-based and activity-based learning, with an emphasis on providing students the opportunity to experience self-compassion and taking action towards positive mental health. Activity-based learning will involve participation in yogabased physical activities and self-compassion guided meditations.

Prerequisite: KIN 231 and KIN 380

Rationale: The instructor has demonstrated expertise in the area of self-compassion in sport and exercise research and applied work, and there is a need for additional upper-year elective KIN courses. The course was previously offered as a special topics class and now needs to be regularized.

College of Pharmacy and Nutrition, January 2025 University Course Challenge

For Information:
On December 19, 2024, the following new program was approved by University Council, as approved by the Academic Programs Committee (APC) on November 20, 2024. Two minor omissions were made and are being corrected here in red, as follows:

Certificate in Human Nutrition

The Certificate in Human Nutrition is offered by the College of Pharmacy and Nutrition. This six course, 18 credit-unit certificate program provides the opportunity to current USask students, USask graduates, and those who have never attended the University of Saskatchewan complete core courses that cover the fundamentals of human nutrition. It also allows students to choose courses of interest that range from science to community-based topics. Those with a BSc(Nutr.) or BSc (Food and Nutrition) degree or Minor in Nutrition, or enrolled in these programs are not eligible to receive the Certificate.

Program Requirements (18 credit units)

Required courses

- NUTR 120.3 Basic Nutrition
- NUTR 221.3 Advanced Nutrition Micronutrients for Nutrition Program OR NUTR 223.3 Advanced Nutrition MIcronutrients
- NUTR 321.3 Advanced Nutrition Macronutrients and Energy for Nutrition Program OR NUTR 323.3 Advanced Nutrition Macronutrients

Plus 9 credit units from the following courses

- NUTR 200.3 Introduction to Nutrition in Fitness, Sport, and Health (Students with academic credit for KIN 428.3 cannot use NUTR 200.3 for the Certificate Program)
- NUTR 210.3 Food Fundamentals and Preparation
- NUTR 201.3 (formerly 310.3) Food Culture and Human Nutrition
- NUTR 322.3 Nutrition Throughout the Lifespan
- NUTR 350.3 Community Nutrition
- NUTR 420.3 Current Issues in Nutrition

University Course Challenge, January 2025
Certificate in Sustainability: Addition of course option to Indigenous Learning Requirement

On 23 December 2024, the School of Environment and Sustainability (SENS) Faculty Council approved the addition of LING 114 (*Indigenous Languages and Stories: Introduction to the Structure of Language*) and HIST 266 (*Historical Issues in Indigenous Settler Relations in North America*) to the Undergraduate Certificate in Sustainability. See the following submission for approval and information, as noted below.

Rationale: As an Indigenous learning option in Arts and Science and to increase accessibility and flexibility for USask students to complete the certificate, SENS wants to include all Indigenous learning courses taken on campus as Indigenous Learning elective options for the Undergraduate Certificate in Sustainability.

Courses in red indicate the new addition for approval.
Courses in blue indicate courses previously approved through UCC but missed being added to the Catalogue. This will correct that accidental omission, for information purposes.

Contact: Carolyn Pytlyk (carolyn.pytlyk@usask.ca)

Sustainability

The Certificate in Sustainability is intended to give students theoretical, methodological, strategic, and substantive exposure to sustainability-related concepts and practice. The certificate will allow students to engage in problem-based, experiential learning across a broad range of sustainability topics. The program should begin in the student's second year with ENVS 201.

Certificate in Sustainability (21 credit units)

Required Courses (6 credit units):

- ENVS 201.3 Foundations of Sustainability
- ENVS 401.3 Sustainability in Action or EVSC 485.3 Environmental Science Capstone Course

Indigenous Learning for Sustainability (3 credit units):

Choose at least 3 credit units from the following elective course options:

- ANTH 202.3 Anthropology and Indigenous Peoples in Canada
- ANTH 350.3 Introduction to Boreal Forest Archaeology
- AREC 220.3 History of Indigenous Agriculture in Canada
- COMM 347.3 Indigenous Business in Canada
- DRAM 111.3 Practicum I Indigenous Performance Methods
- ENG 242.3 Indigenous Storytelling of the Prairies
- ENG 243.3 Introduction to Indigenous Literatures
- ENG 335.3 The Emergence of Indigenous Literatures in Canada

- ENG 338.3 Contemporary North American Indigenous Literatures
- GEOG 465.3 Environment and Health in Indigenous Communities
- HIST 195.3 History Matters Indigenous Perspectives on Canadian History
- HIST 257.3 The Canadian Prairie to 1905
- HIST 266.3 Historical Issues in Indigenous Settler Relations in North America
- HIST 315.3 Indigenous Health History
- HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
- INDG 107.3 Introduction to Canadian Indigenous Studies
- INDG 210.3 Indigenous Ways of Knowing
- KIN 306.3 Introduction to Indigenous Wellness
- LING 114.3 Indigenous Languages and Stories: Introduction to the Structure of Language
- LING 253.3 Indigenous Languages of Canada
- PLAN 445.3 Planning with Indigenous Communities*
- POLS 222.3 Indigenous Governance and Politics
- INDG 200-Level, 300-Level, 400-level*

*These courses may not be used to count as credit for both Indigenous Learning and restricted electives or open electives.

Restricted Electives (6 credit units):

Students must choose at least 6 credit units of course from the list of electives below.

Choose at least 6 credit units from the following elective course options:

- ANBI 375.3 Animals and the Environment
- ANBI 475.3 Field Studies in Arctic Ecosystems with Indigenous Peoples
- ANSC 301.3 Animal Production Tour
- ANTH 329.3 Environmental Anthropology
- ANTH 401.3 Independent Research in Anthropology
- AREC 348.3 Food Economics and Consumer Behaviour
- AREC 428.3 Case Studies in Agribusiness Management
- AREC 430.3 Advanced Natural Resource Economics
- AREC 432.3 Rural Development Theory and Applications
- AREC 451.3 Agricultural Policy Analysis
- BIOL 373.3 Community Ecology
- BIOL 410.3 Current Perspectives in Environmental Biology
- BIOL 412.3 Limnology
- BIOL 470.3 Conservation Biology
- BIOL 475.3 Ecological Toxicology
- CHEM 375.3 Environmental Chemistry
- CHEP 402.3 Global Health and Local Communities Issues and Approaches
- CPSJ 400.3 Critical Perspectives on Social Justice and the Common Good
- ECON 376.3 Energy Economics
- ENVE 381.3 Sustainability and Environmental Assessment
- ENVE 432.3 Land Management and Reclamation
- EVSC 380.3 Grassland Soils and Vegetation
- EVSC 421.3 Contaminated Site Management and Remediation
- EVSC 492.3 Research and Term Paper

- EVSC 494.3 Research and Thesis
- FABS 371.3 Food Biotechnology
- FABS 401.3 Dairy Science and Technology
- FABS 492.3 Literature Thesis
- FABS 494.3 Research Thesis
- GEOG 333.3 Global Climate Change
- GEOG 351.3 Northern Environments
- GEOG 364.3 Geography of Environment and Health
- GEOG 380.3 Environmental Geography of the Circumpolar North
- GEOG 381.3
- GEOG 385.3 Analysis of Environmental Management and Policy Making
- GEOG 386.3 Environmental Impact Assessment
- GEOG 490.3 Honours Thesis in Hydrology or Geomatics
- GEOG 491.3 Honours Thesis in Environment and Society
- GEOL 464.3 Geoscience of Green Energy and the Digital Economy
- HIST 365.3 Recipes for a Nation Food History in Canada
- HIST 371.3 Power and Change The History of Energy
- LAW 444.3 Environmental Law
- PLAN 341.3 Urban Planning
- PLAN 346.3 Introduction to Urban Design
- PLAN 350.3 Transportation Planning and Geography
- PLAN 429.3 Integrated Water Resource Planning
- PLAN 441.3 Challenges in Urban Development
- PLAN 445.3 Planning with Indigenous Communities
- PLAN 446.3 Advanced Urban Design Studio
- PLSC 345.3 Pesticides and Crop Protection
- PLSC 401.3 Advanced Crop Agronomy
- PLSC 413.3 Advanced Plant Ecology
- PLSC 418.3 Management of Arable Grassland
- PLSC 422.3 Rangeland Ecology and Management
- PLSC 425.3 Forest Ecology
- PLSC 492.3 Project Thesis in Plant Sciences
- PLSC 494.6 Research Thesis in Plant Sciences
- POLS 326.3 Comparative Public Policy
- POLS 328.3 Public Policy Analysis
- POLS 403.3 Advanced Topics in Public Law and Public Policy
- POLS 422.3 Indigenous Governance and Self Determined Sustainable Development
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- RRM 323.2 Resource Data and Environmental Modeling and RRM 201.1 Geographical Information Systems
- SLSC 313.3 Environmental Soil Chemistry
- SLSC 342.3 Agronomic Soil Microbiology
- SLSC 350.3 Terrestrial Restoration
- SLSC 444.3 Soil Ecology
- SLSC 492.3 Research and Term Paper
- SLSC 494.6 Research and Thesis
- SOC 309.3 Theories of Social Change
- SOC 360.3 Globalization and Social Justice
- SOC 402.3 Sociology of Agriculture and Food
- TOX 301.3 Environmental Toxicology

- WGST 411.3 Situated Transnational Feminisms

Note: If a student chooses to use a thesis and/or research course towards the completion of the certificate, it must be demonstrated to the certificate coordinator that the thesis pursued has a focus on sustainability.

Open Electives (6 credit units)

Students must choose at least 6 credit units of open electives to be approved by the certificate coordinator or Undergraduate Programs Committee Chair. These electives can be either junior (100 and 200 level) or senior (300 and 400) level courses. It must be demonstrated to the certificate coordinator that the course has a focus on sustainability.