



Quantitative Courses Working Group

Tuesday, April 26, 2016

11 - 1pm

Surrey Campus, Surrey Main, C213

AGENDA

		Start Time
1.	Call to Order Wayne Podrouzek	11:00
2.	Confirmation of Agenda	11:01
3.	Introductions	11:02
4.	Mandate and Membership Composition of the SSCC Quantitative Courses Working GroupJennifer Au	11:05
5.	Review of Current Quantitative Criteria Wayne Podrouzek	11:25
6.	Membership of SSCC Quantitative Courses Subcommittee Wayne Podrouzek	11:45
7.	Policies and Procedures Involving Approval of Quantitative Courses Wayne Podrouzek	12:05
8.	Faculty Consultations Wayne Podrouzek	12:25
9.	Scheduling Committee Meetings (Dates and Times) Wayne Podrouzek	12:35
10.	Items for Discussion	12:45
11.	Adjournment	12:50

Next Meeting
TBD

Mandate and Membership Composition of the SSCC Quantitative Courses Working Group

SSCC Subcommittee on BA Quantitative Courses (Q)

The following is one of the core curricular requirements of the **Bachelor of Arts Degree Framework**:

- Minimum 9-credit quantitative requirement that must include a minimum of 3 approved quantitative courses, one of which must be taken from the Faculty of Science and Horticulture.

Bachelor of Arts Degree Framework: <http://www.kpu.ca/calendar/2015-16/arts/ba-framework.html>

The **SSCC Subcommittee on BA Quantitative Courses (Q)** is an official subcommittee of the Senate Standing Committee on Curriculum (SSCC) that was constituted and approved by Senate in a resolution passed on October 6, 2008: (Please see resolution #13)

http://www.kpu.ca/sites/default/files/downloads/Resolutions_approved_Oct_6_08_-_39577.pdf

The **SSCC Subcommittee on BA Quantitative Courses** currently has a membership of three, who are subject experts for evaluating courses for Q-status:

- Wayne Podrouzek, Psychology, Faculty of Arts (Chair)
- Michael Nyenhuis, Mathematics, Faculty of Science and Horticulture
- Suzanne Pearce, Chemistry, Faculty of Science and Horticulture

Mandate of the SSCC Quantitative Courses Working Group

The Senate Standing Committee on Curriculum (SSCC) is considering expanding the scope of the work of its **Subcommittee on BA Quantitative Courses** so that courses approved for quantitative (Q) status will not be limited to satisfying the Q-status for Bachelor of Arts (BA) degrees. To that end, SSCC has established the **Quantitative Courses Working Group** with the following mandate:

- To review the existing criteria for granting Q-status for courses and to update them if need be;
- To consult with faculty members across all Faculties to determine if there is interest in adding a quantitative requirement to other baccalaureate degrees (e.g., BBA, BSc, BASc, BHSc, BSN, BPN, Bachelor of Design, etc.), which would use the list of courses approved for Q-status to satisfy said requirement;
- To review the membership composition of the existing **Subcommittee on BA Quantitative Courses** to determine whether or not it needs to be expanded; and
- To bring forward recommendations to the Provost, SSCC and Senate

SSCC has requested that this work be completed by **December, 2016**. While the working group completes this work, the 3-member **Subcommittee on BA Quantitative Courses** will continue its work in evaluating courses for Q-status (for BA degrees) using the existing criteria.

[Policy AC11 \(previously Policy B19\), General Education in Degree Programs](#), is currently under review by the Provost's Office, and SSCC has been tasked with making recommendations on how Policy AC11 may be revised or updated. Policy AC11 does not have a quantitative requirement as part of its General Education requirements for baccalaureate degrees. If the Quantitative Courses Working Group determines that there is

interest from Faculties across KPU to add a quantitative requirement to all baccalaureate degrees, then this can be one of the recommendations that the working group can make to SSCC and to the Provost.

Working Group Membership

Chair: Wayne Podrouzek

Membership Composition:

- One faculty member from each Faculty – voting
- One Educational or Degree Advisor – voting
- Vice Chair of Senate – *ex-officio* and non-voting

Current Committee Members:

- Wayne Podrouzek, Psychology, Faculty of Arts (Chair)
- Suzanne Pearce, Chemistry, Faculty of Science and Horticulture
- Michael Nyenhuis, Mathematics, Faculty of Science and Horticulture
- Simon Crothers, Computer Business Systems, School of Business
- Janine Hadfield, GNIE Program, Faculty of Health
- Geoff Dean, ACP Science and Math, Faculty of Academic and Career Advancement
- TBA, Faculty of Trades and Technology
- TBA, Chip and Shannon Wilson School of Design
- TBA, Faculty of Educational Support and Development
- Naomi Ben-Yehuda, Degree Advisor
- Jennifer Au, Vice Chair, Senate

Attachment

Policy AC11 (previously Policy B19): General Education in Degree Programs

Policy History
Policy No. AC11
Approving Jurisdiction: Senate
Administrative Responsibility: Provost and Vice President Academic
Effective Date: January 26, 2009

General Education in Degree Programs Policy

A. PURPOSE/RATIONALE

To establish General Education requirements in baccalaureate degree programs

B. SCOPE

The *General Education in Degree Programs* policy applies to all students admitted to, enrolled in, and graduating from baccalaureate degree programs at Kwantlen Polytechnic University.

C. PRINCIPLES

1. To ensure quality baccalaureate degree programs, Kwantlen Polytechnic University will provide sufficient breadth of study across disciplines as well as depth of study in a core discipline.
2. Kwantlen Polytechnic University expects baccalaureate degree students to be able to synthesize and evaluate information, think critically, form reasoned arguments, and communicate effectively.

D. LIMITS

1. Individual programs will set General Education credit requirements commensurate with degree level standards and professional practice within peer programs and institutions.
2. General Education requirements in any given baccalaureate degree will correspond with the expectations of relevant approval and professional accreditation bodies.
3. As a receiving institution that admits students with non-degree credentials from other institutions, Kwantlen will continue to offer flexible, program-specific transfer pathways.

E. PROCEDURES AND GUIDELINES

1. Although General Education requirements will vary depending upon the educational focus, demands, and skills requisite to any specific baccalaureate degree program, they normally consist of 24 credits in university studies drawn from at least three academic disciplines across three different Faculties.
2. All baccalaureate degrees must include a minimum of 18 credits of General Education, including, but not limited to, the following:
 - a. 3 credits from a writing-intensive course at the 1100 level or higher,
 - b. 12 credits, outside the core academic discipline, in at least three different academic disciplines; and,
 - c. 3 credits at the 3000 or 4000 level from outside the core academic discipline and Faculty, or from a course developed within the academic discipline and approved by Senate for the purpose of General Education.
3. Details on General Education requirements within specific baccalaureate degrees are available on the program information pages of Kwantlen Polytechnic University's Online Calendar.

F. DEFINITIONS

1. University Studies
 - a. University Studies refers to courses numbered 1100 or higher that may be counted for credit within baccalaureate degree programs.
2. Writing-intensive Course
 - a. A writing-intensive course is understood to be one in which writing instruction and recursive practice and assessment are the main focus of the course, such as English 1100.
3. Academic Discipline
 - a. Academic discipline is understood to be a distinct subject area or department within a Faculty.

BA Degree Quantitative Requirement Guidelines

To be listed as quantitative for the purposes of the Bachelor of Arts degrees, courses must have quantitative reasoning (e.g., numerical, geometric, statistical, or probabilistic), or formal reasoning (e.g., mathematical or logically deductive), or scientific reasoning (involving the scientific method in general, and/or the methodology or content of a specific scientific discipline) as a basic principle in their primary subject matter. These courses may vary widely in the skills that are emphasized, but they usually include at least two of the following:

- A. Learning to read, construct, interpret, and evaluate arguments, tables, graphs, and charts.
- B. Developing quantitative measures of physical, behavioral, or social phenomena.
- C. Using mathematical models or forecasting equations to express causal relationships and to explore the implications of changed assumptions or proposed solutions to problems.
- D. Collecting, organizing, and interpreting numerical data from archives, surveys, lab experiments, or other sources to reach conclusions and/or draw inferences.
- E. Testing hypotheses through the scientific method using experimental or statistical controls.
- F. Assessing the limitations of research, such as the reliability and validity of measures, adequacy of experimental design, sample size and quality, and alternative hypotheses and interpretations.
- G. Describing and exploring fundamental scientific principles.
- H. Using operations with abstract symbols or equations.

The highlighted text is taken directly from the following web page:

http://www.brandeis.edu/registrar/bulletin/review_provisional/UQR-provisional.html

If we are to publish it in any form, we need to acknowledge the debt appropriately.