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## SENATE STANDING COMMITTEE ON RESEARCH

**Regular Meeting**

**Tuesday, May 28, 2024**

**2:00 p.m. – 4:00 p.m.**

**2410 Arbutus, Surrey Campus**

### AGENDA

1. Call to Order and Territorial Acknowledgement ..... 2:00
2. Approval of Agenda
3. Approval of Minutes, April 23, 2024
4. Chair's Report ..... Daniel Bernstein 2:15
5. Regular Reports
  - 5.1. Associate Vice-President, Research and Innovation ..... Deepak Gupta 2:25
6. Items for Motion
  - 6.1. Nomenclature Related to Research, Innovation, and Scholarship..... Deepak Gupta 2:45
7. Items for Discussion
  - 7.1. Updates to Former White Paper on Research Questions 1-5 ..... Karen Meijer 3:05
8. Adjournment

## SENATE STANDING COMMITTEE ON RESEARCH

Minutes of Regular Meeting

Tuesday, April 23, 2024

2:00 p.m. – 4:00 p.m.

MS Teams Online

Voting Member Quorum: 8		
Brett Favaro, Vice-Chair	Karen Meijer	Alan Davis
Daniel Bernstein, Chair	Leeann Waddington	<b>Non-voting</b>
Deborah Henderson	Mandeep Pannu	Catherine Schwichtenberg
Gayle Bedard	Paul Adams	Taranum Sultana
Ishant Goyal	Shelley Boyd	
June Kaminski	Sue Fairburn	
Regrets	Senate Office	Guests
Deepak Gupta	Maggie Ding (recorder)	Amit Shukla Bernadine Sengalrayan Victor Martinez

### 1. Call to Order and Territorial Acknowledgement

The Chair, Daniel Bernstein, called the meeting to order at 2:04 p.m.

### 2. Approval of Agenda

**Sue Fairburn moved the agenda be confirmed as circulated.**

**The motion carried.**

### 3. Approval of Minutes, February 20, 2024

**Deborah Henderson moved the minutes be accepted as circulated.**

**The motion carried.**

### 4. Chair's Report

No report.

### 5. Items for Discussion

#### 5.1. Research Advancement Strategy (RAS)

Bernadine Sengalrayan, Lifespan Cognition Lab Manager, outlined a thorough consultation process involving members within KPU and external partners, presenting two primary models: teaching-focused and research-focused. While recognizing the hurdles each model presents, Bernadine suggested a hybrid KPU model that seamlessly integrates both, underscoring the

institution's unique identity. Subsequently, Victor delved into this vision, presenting a scholarship model anchored on three pillars: Content, Practice, and Research, advocating for a flexible time-release approach and diverse funding sources. He stressed institutional support and accountability for the success of the transformative vision.

During the committee's discussion, members expressed appreciation for a presentation on creating a relationship between practice and scholarship, noting progress in that direction. They discussed the idea of incorporating administrative components into faculty workloads alongside teaching and scholarship, citing examples from other institutions like Royal Roads. There was also dialogue about potential use cases for a proposed model, with an emphasis on involving students and sharing outcomes. Suggestions were made to consider pilots and flexibility in implementing the model, as well as the importance of engaging external partners for funding and innovation. The committee also delved into examples of existing initiatives involving faculty release for projects and student involvement. The discussion highlighted challenges in managing projects and the need for responsiveness and flexibility in timelines. Clarification was sought on the relation between the discussed research advancement strategy and ongoing updates to a White Paper on research. Overall, participants commended the work done and discussed various aspects of implementing the proposed model within the context of their institution.

## **6. Regular Reports**

### **6.1. Associate Vice-President, Research and Innovation**

Amit Shukla, Director, Research, Innovation, Scholarship, and Entrepreneurship Services, presented a written report on behalf of Deepak Gupta, AVP Research and Innovation.

The presentation highlighted the success of a recent research showcase event with over 125 participants, featuring keynote speaker Dr. William Garrett-Petts discussing sustainability in research at Thompson River University (TRU). Other notable events included collaborative meetings with academic institutions, initiatives to support student IP protection, engagement with indigenous communities, and resources being developed for equity, diversity, and inclusion in research. Additionally, updates were provided on funding recipients for research infrastructure and efforts to improve animal care practices at KPU, emphasizing ongoing support for research and scholarship endeavors.

It was clarified that the events listed under "Institute for Sustainable Horticulture" on page 5 of the report were actually from the Institute of Sustainable Food Systems, not the Institute of Sustainable Horticulture.

## **7. Adjournment**

The Chair, Daniel Bernstein, concluded the meeting by announcing that the next one, scheduled for May 28th, would be in person. He also mentioned that it would be his last meeting as he steps off the committee, with Tara Lyons replacing him.

The meeting adjourned at 2:51 p.m.

## SENATE STANDING COMMITTEE ON RESEARCH AND GRADUATE STUDIES

**Agenda Item: 5.1**

**Meeting Date:** *May 28, 2024*

**Presenter:** *Deepak Gupta*

### Associate Vice-President, Research and Innovation Report

#### **FROM THE OFFICE OF THE AVP, RESEARCH AND INNOVATION (AVPRI)**

##### **RESEARCH ADMINISTRATION RETREAT 2024**

The Office of AVPRI hosted the annual Research Administration Retreat on April 25, 2024. The retreat began with team-building activities. In the afternoon, we discussed areas of improvements and set goals using the Objectives and key results (OKRs) framework. The Research Advancement Strategy (RAS) team also presented their work.

##### **THE ALLIANCE OF CANADIAN COMPREHENSIVE RESEARCH UNIVERSITIES (ACCRU) ANNUAL GENERAL MEETING**

Dr. Deepak Gupta is attending the ACCRU Annual General Meeting held from May 23 to May 24, 2024 in Ottawa, ON. ACCRU members meet annually to communicate and develop best practices, to share expertise and experience, and to promote and raise the profile of research at member universities.

##### **CUR CAMPUS-WIDE AWARD FOR UNDERGRADUATE RESEARCH ACCOMPLISHMENTS (AURA)**

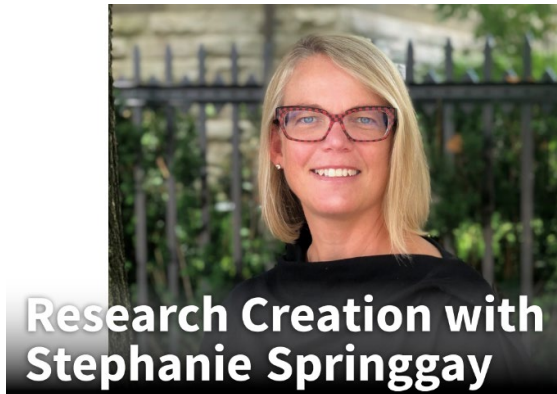
The Council on Undergraduate Research invites applications for the annual Campus-Wide Award for Undergraduate Research Accomplishments (AURA). This award recognizes higher education institutions that have successfully implemented at least 5 of the 12 [Characteristics of Excellence of Undergraduate Research](#), have devised exemplary programs to provide high-quality research experiences to undergraduates, and have evaluated the success of these programs. The details of the nomination process are found [here](#).

#### **FROM THE OFFICE OF RESEARCH SERVICES**

##### **RESEARCH CREATION WORKSHOP WITH STEPHANIE SPRINGGAY**

The ORS and Faculty of Arts jointly organized a Research Creation workshop on May 6, 2024. Dr. Stephanie Springgay, Director of the School of the Arts (SOTA) at McMaster University and a leading scholar of research-creation served as the speaker. During her presentation, she offered her valuable insights into the theoretical framework of research-creation, drawing examples from her extensive work, including her book *Feltness: Research-Creation, Socially Engaged Art, and Affective Pedagogies* (Duke UP, 2022), and research-creation projects [WalkingLab](#) and [The](#)

[Pedagogical Impulse](#). The event took place in person at the Richmond campus and was also livestreamed via Teams. The recording of the event will soon be accessible through the ORS communication channels.



### **POLYTECHNIC CANADA 2024 ANNUAL SHOWCASE**

Dr. Amit Shukla attended the Polytechnic Canada 2024 Annual Showcase held from May 14 to May 16, 2024 at Algonquin College in Ottawa where polytechnic institutions showcase the ways we are tackling global challenges. Dr. Shukla, Andhra Goundrey and Sue Fairburn from the Wilson School of Design, presented “*Learning Grounded in Design for Extremes: ALTA – A Portable Hyperbaric Chamber for use in High Altitude.*”

### **KPU COMMUNITY DAY 2024**

KPU Community Day was held on Saturday, May 25, 2024. ORS hosted a booth to enhance public awareness of the Animal Care Committee and spotlight scholarly research. We showcased Psychology’s Lifespan Cognition lab, Student Research and Innovation Grant (SRIG) posters with the students in attendance, and a creative capstone project featuring an art piece resulting from student research.

### **FROM THE ANIMAL CARE COMMITTEE**

#### **UPDATES ON CCAC ASSESSMENT**

Based on the results of our November 2023 assessment visit, the [Canadian Council on Animal Care](#) (CCAC) sent their formal Assessment Report to Dr. Gupta on April 16, 2024. The next step in the certification process is for KPU to respond to the CCAC by October 18, 2024, with an Implementation Report showing how we addressed each of their recommendations. If the CCAC is satisfied with KPU's response, the animal care and use program will be granted a CCAC [Certificate of Good Animal Practice](#)<sup>®</sup>.

#### **STAFFING UPDATES**

As of April 26, 2024, Kate Cooper has left the role of Animal Care Coordinator. Dr. Taranum Sultana, the Research Compliance Manager, has been fulfilling the responsibilities of the Coordinator until the role is filled. The [acc@kpu.ca](mailto:acc@kpu.ca) inbox remains operational.

### **APPLIED GENOMICS CENTRE**

#### **STAFFING UPDATES**

On May 6, 2024, the AGC welcomed two new student research assistants:

- Lulu Sukawati - 3<sup>rd</sup> year student of KPU's Bachelor of Science, Minor in Psychology program.
- Kevin Saulog – 1<sup>st</sup> year student of KPU's Computer Information Systems diploma program.

### **PRESENTATIONS AND EVENTS**

To raise awareness of KPU's applied research and the AGC's current activities and future plans for developing tools to support agricultural innovation and sustainability, Dr. Paul Adams presented to various government agencies, including:

- Officers from the Ecosystems, Strategies & Services (ESS) and Community Economic Development & Diversification (CEDD) programs in BC.
- Officials from NSERC, CFI, and Genome Canada granting agencies.

### **PUBLICATIONS**

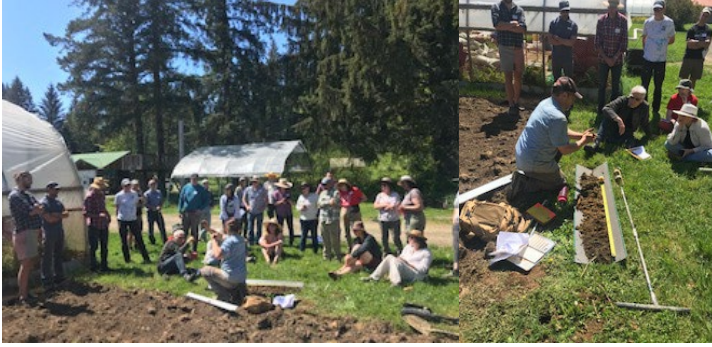
- Lyndsey Baillie, the AGC Laboratory Coordinator, was featured in the Spring 2024 Western Canadian Dairy News. The news article titled, "[A Technical Update on \*Mycoplasma bovis\*](#)" was based on the presentation Lyndsey gave at the 2024 Pacific Ag Show in January. *M. bovis* is a bacterium, intrinsically resistant to many common antibiotics, thought to be responsible for causing significant disease symptoms in cattle. Lyndsey received her Master's degree in Population Genetics from Dalhousie University in 2013.
- The Applied Genomics Centre was featured in a news story on the Norgen Biotek website titled, "[Sequence to Discover: the metagenomic context surrounding \*Mycoplasma bovis\* infection in cattle](#)". Last year, the AGC was granted \$20,000 towards [Norgen products](#) and [sequencing services](#). The article describes how the AGC used these funds to help tackle a cattle disease of major concern on dairy farms.

## **INSTITUTE FOR SUSTAINABLE FOOD SYSTEMS**

### **EVENT - DRY FARMING AND SOIL MOISTURE FIELD DAY**

On May 10, 2024, ISFS invited an Oregon-based dry farming specialist and soil scientist, Andy Gallagher, to do a full-day workshop with local farmers and Ministry of Agriculture agrologists, on managing soil moisture and building drought resilience in Comox Valley, BC. Feedback from farmers was extremely positive. For example, one farmer followed up in writing after the event: "it was a day with empowering and hopeful information, an interesting diverse group of participants and it is rare to have instructors so smart and practically dedicated as Andy. I learned a lot." This field day is part of an ongoing extension program since Fall 2023 to support drought resilience farming.





## STAFFING UPDATES

- Donovan McLeod and Donovan McLeod Jr. were hired as field staff in Sik-E-Dakh farm school, effective May 13, 2024. ISFS supports hiring indigenous individuals in the community.
- A student from ACCESS, Lawrence Yan, was accepted to work in ISFS for his work placement from May to July 2024 under the [Employment and Community Studies \(EACS\) Program](#).

## PRESENTATIONS AND COMMUNITY ACTIVITIES

- Dr. Kent Mullinix conducted a workshop on “Planting fruit trees and establishment care” for the Tsleil-Waututh First Nation on April 11, 2024.



- Dr. Kent Mullinix delivered a presentation on “*Extension work at KPU*” to the KPU Academic Council on April 18, 2024.
- On April 22, 2024, the Dry Farming Basics Webinar was Led by Naomi Robert and the dry farming specialist, Dr. Lucas Nebert, at [Oregon State University's Dry Farming Program](#) with 150 registrants. Link to the webinar is found here: [2024-04-22 - Dry Farming Basics Webinar - KPU Video Portal](#)
- ISFS organized a site visit for the BC Indigenous Housing Society at the Richmond farm school on April 23, 2024.
- Dr. Kent Mullinix served as the panelist with representatives from George Brown College (Toronto) and Dawson College (Montreal) at the [2024 CIGan Connection Conference](#) and delivered a presentation on “*Kwantlen Polytechnic University: at the forefront of food system reform.*” at the conference on April 28.

## **PUBLICATIONS**

- In May 2024, Naomi Robert co-authored and published the food policy and climate change platform to inform provincial party platform development in the 2024 election - “[BC’s Provincial Election 2024: Building Resilient Communities Through Food System Policy.](#)”
- Naomi Robert, Stephanie Jacobs and Kent Mullinix developed a summary report, “[Building Drought Resilience: Comox Valley Regional Farmer Dialogue,](#)” to gather farmer priorities for building drought resilience capacity (published March 2024.) It is circulating and promoted by local food and farming organizations in BC.

## **Acknowledgment**

The Office of the AVP, Research and Innovation acknowledges funding from the federal Research Support Fund in support of its operations and services.



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## SENATE

**Agenda Number:** 6.1

**Meeting Date:** May 28, 2024

**Presenter(s):** Deepak Gupta

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### AGENDA TITLE: NOMENCLATURE RELATED TO RESEARCH, INNOVATION, AND SCHOLARSHIP

**ACTION REQUESTED:** Motion

#### RECOMMENDED RESOLUTION

**That the Senate approves the compiled *Nomenclature Related to Research, Innovation, and Scholarship* for use as a reference in administration of research, innovation, and scholarship across the university.**

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#### COMMITTEE REPORT

For Secretariat Use Only

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#### Context and Background

In response to a decision by the Senate Standing Committee on Research and Graduate Studies (Now Senate Standing Committee on Research, SSCR) in November 2021, the SSCR Working Group on Definitions related to Research led by Dr. Deepak Gupta has developed the Nomenclature Related to Research, Innovation, and Scholarship. The document aims to be a comprehensive source of definitions and concepts used across a research enterprise. Most recently, it was presented to SSCR on November 28, 2023, for the standing committee's feedback.

#### Key Messages

1. To avoid reinventing the wheel, the definitions and descriptions in this document have been adopted or vetted from credible and authoritative sources. The various terms contained in this document are not always mutually exclusive and there is significant overlap. Relying on definitions and descriptions from credible sources ensures that the nomenclature used at KPU are harmonious with those used at other Canadian post-secondary institutions and major research and innovation funding bodies.
2. KPU community members enjoy academic freedom to engage in research, scholarship, and innovation with the usual responsibilities that come with it. The compilation is not meant to

police or constrain the creativity of members of the KPU community. KPU community members engage in diverse forms of research, innovation, and scholarship. All members of the KPU members ought to be able to see their creative endeavours reflected in one or more ways in this document.

3. These compiled terms will be primarily used for administrative purposes (e.g. tracking and reporting) across the entire life cycle of research and related activities. These include administration of research funds, research ethics, other research compliance matters, and for reporting. Use of certain terms is often driven by context.
4. Competencies and learning outcomes related to these definitions will be more useful for our educators. Illustrative examples from what we already do at KPU in each Faculty or School that embody the compiled terms will help make this compilation further relevant and real.

### **Resource Requirements**

Some orientation for departments outside the Office of Research and Innovation that fund research and scholarship to understand how the document should be used (e.g. for internal grants, educational leaves, curricular research).

### **Implications/Risks**

Adopting this document with help harmonize administration of research, innovation, and scholarship across the university and ensure consistency with nomenclature used across Canada.

### **Consultations**

1. Senate Standing Committee on Research

### **Attachments**

1. Nomenclature Related to Research, Innovation, and Scholarship (version dated November 23, 2023)

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### **Submitted by**

Deepak Gupta

### **Date submitted**

[Date sent to the Secretariat]

# Nomenclature Related to Research, Innovation, and Scholarship

Prepared by: Deepak S. Gupta and Keith Leung

Version: November 21, 2023

## 1 Context and Preamble

- To avoid reinventing the wheel, the definitions and descriptions in this document have been adopted or vetted from credible and authoritative sources. The various terms contained in this document are not always mutually exclusive and there is significant overlap.
- These terms are not meant to police or constrain the creativity of members of the KPU community. KPU community members enjoy academic freedom to engage in research, scholarship, and innovation with the usual responsibilities that come with it. KPU community members engage in diverse forms of research, innovation, and scholarship. All members of the KPU members ought to be able to see their creative endeavours reflected in one or more ways in this document.
- The terms will be primarily used for administrative purposes (e.g. tracking and reporting). These include administering of research funds, research ethics, other research compliance matters, and for reporting. Use of certain terms is often driven by context.
- Competencies and learning outcomes related to these definitions will be more useful for our educators. These are being worked on. Illustrative examples from what we already do at KPU in each Faculty or School that embody above definitions and bring them to life will also be useful.
- Fostering research, innovation, and scholarship across KPU will further academic excellence. Our engagement in these activities represent KPU at its best.

## 2 Executive Summary

	Term	Definition	Sourced from
1	Research	Research is defined as an undertaking intended to extend knowledge through a disciplined inquiry or systematic investigation.	Tri-Council Policy Statement 2 (2022), Statistics Canada, and <a href="#">Canadian Research and Development Classification (CRDC) 2020 Version 1.0</a>
2	Scholarship	Scholarship is a diverse undertaking that includes extending knowledge, integrating knowledge across disciplines, bridging theory and practice, communicating one’s knowledge effectively to learners, and contributing new ways to artistic knowing.  By undertaking scholarly activities, scholars update their knowledge and maintain currency in any given field.	Scholarship Reconsidered: Priorities of the Professoriate by Ernest L. Boyer, Updated and Expanded by Drew Moser, Todd C. Ream, John M. Braxton, and Associates.

## 3 Definitions for Research, Innovation, and Experimental Development

These definitions below have been sourced from credible and authoritative external sources such as the Government of Canada and the Organisation for Economic Co-operation and Development (OECD). They enjoy wide acceptance, and are the outcome of discussions and consensus.

No.	Term	Definition
1	Research	Research is defined as an undertaking intended to extend knowledge through a disciplined inquiry or systematic investigation. <sup>1</sup>
2	Research and Experimental Development	Research and experimental development (R&D) comprise creative and systematic work undertaken in order to increase stock of knowledge - including knowledge of humankind, culture, and society – and to devise new applications of available knowledge <sup>2</sup> .  For an activity to be considered an R & D activity, it must satisfy five core criteria: novel, creative, uncertain, systematic, and transferable and/or reproducible.
3	Applied Research	Applied research is original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific, practical aim or objective. <sup>3</sup>

<sup>1</sup> See Policy RS1 - Research Involving Human Participants (Kwantlen Polytechnic University, 2012) and Tri-Council Policy Statement (Canadian Institutes of Health Research, Natural Sciences and Engineering Research Council of Canada, and Social Sciences and Humanities Research Council of Canada, 2022)

<sup>2</sup> See OECD (2015) and Statistics Canada (2020)

<sup>3</sup> See “Glossary of terms” of OCED (2015)

4	Basic Research	Basic research is experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view. <sup>4</sup>
5	Experimental Development	Experimental development is systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directed to producing new products or processes or to improving existing products or processes. <sup>5</sup>
6	Innovation	An innovation is a new or improved product or process (or combination thereof) that differs significantly from the unit's previous products or processes and that has been made available to potential users (product) or brought into use by the unit (process). <sup>6</sup>
7	Undergraduate Research	Undergraduate research is a mentored investigation or creative inquiry conducted by undergraduates that seeks to make a scholarly or artistic contribution to knowledge. <sup>7</sup>
8	Research Creation	Research creation is an approach to research that combines creative and academic research practices, and supports the development of knowledge and innovation through artistic expression, scholarly investigation, and experimentation. The creation process is situated within the research activity and produces critically informed work in a variety of media (art forms). <sup>8</sup>
9	Primary or Original Research	Primary or original research involves the collection of original data specific to a particular investigation. <sup>9</sup>
10	Secondary Research	Secondary research uses existing (or secondary) sources of data specific to a particular investigation and for a purpose other than the primary research purpose. Secondary research includes systematic reviews of "existing research using explicit, accountable rigorous research methods" <sup>10 11</sup> .
11	Indigenous research	Indigenous research involves research in any field or discipline that is conducted by, grounded in or engaged with First Nations, Inuit, Métis or other Indigenous nations, communities, societies or individuals, and their wisdom, cultures, experiences or knowledge systems, as expressed in their dynamic forms, past and present. Indigenous research can embrace the intellectual, physical, emotional and/or spiritual dimensions of knowledge in creative and interconnected relationships with people, places and the natural environment. <sup>12</sup>

<sup>4</sup> See "Glossary of terms" of OCED (2015)

<sup>5</sup> See "Glossary of terms" of OCED (2015)

<sup>6</sup> See OECD/Eurostat (2018)

<sup>7</sup> See Council for Undergraduate Research (n.d.)

<sup>8</sup> See definition of "Research-creation" in Social Sciences and Humanities Research Council of Canada (2021)

<sup>9</sup> See Gratton & Jones (2010)

<sup>10</sup> See Canadian Institutes of Health Research, Natural Sciences and Engineering Research Council of Canada, and Social Sciences and Humanities Research Council of Canada. (2022), Gratton & Jones (2010), and Thomas & Gough (2017)

<sup>11</sup> For the secondary use of data that may contain identifiable information and human biological materials, researchers are required to consult the Research Ethics Board.

<sup>12</sup> See definition of "Indigenous Research" in Social Sciences and Humanities Research Council of Canada (2021)

## 4 Definitions for Scholarship

### 4.1 Adapting Boyer's Model

In 2017, a KPU Working Group explored definitions for research and scholarship. Building on that group's work<sup>13</sup>, scholarship at KPU follows the definition of Edward Boyer's 1990 notion of knowledge acquisition, with the addition of the Scholarship of Creativity to the original four categories as defined below.

No.	Term	Definition	Overlap with Research
1	Scholarship of Discovery	Scholarship of discovery is the generation of new knowledge through original, inquiry-based research or creation of original works.	Basic/discovery research
2	Scholarship of Integration	Scholarship of integration is the synthesis, analysis, and critical appraisal of the research or creative works of others.  Integration scholarship seeks to find meaningful patterns within isolated facts and fragmentary knowledge. Such scholarship is often interdisciplinary or multidisciplinary in nature.	Inter-disciplinary research
3	Scholarship of Application and Engagement	Scholarship of application and engagement is the application of knowledge to consequential problems at the level of individuals, institutions, communities, and society.  These applications (also be thought of as service) should derive from one's field of expertise. Service scholarship is a serious and challenging activity and should be measured with the same seriousness and accountability as traditional research.	Applied Research
4	Scholarship of Teaching and Learning	Scholarship of teaching and learning is the systematic study of teaching and learning to understand how teaching can maximize learning, and/or develop a more accurate understanding of learning.  The scholarship of teaching and learning uses established or validated criteria of scholarship and results in products that are publicly shared for critique and use by an appropriate community. <sup>14</sup>	Research into Teaching and Learning

<sup>13</sup> See "Scholarship at KPU" in Kwantlen Polytechnic University (2017)

<sup>14</sup> See Potter and Kustra (2011)

5	Scholarship of Creativity	<p>Scholarship of creativity involves the cultivation of new knowledge and new ways of thinking through artistic practice and the development of theories about art, art education and cultural worlds<sup>15</sup>.</p> <p>Creativity scholarship produces research outputs by bringing the dominant academic tools (i.e., written papers, monographs) and artistic tools together. Examples of artistic tools include visual art exhibitions, media production, design, music, etc, through which knowledge creation, analytical and critical concerns are expressed<sup>16</sup>.</p>	Research-creation
6	Scholarly Teaching	<p>Scholarly teaching<sup>17</sup> involves consulting the literature, selecting and applying appropriate information to guide the teaching-learning experience, conducting systematic observations, analyzing the outcomes, and obtaining peer evaluation of their classroom performance.<sup>18</sup></p> <p>Scholarly teaching is based on practice wisdom which is developed by reflection on experience and published research. Scholarly teaching tends to be focused on effective teaching rather than on student learning.</p>	

## 4.2 Values and Ethics

An individual scholar’s research or scholarly activities may also be motivated or informed by various values<sup>19</sup>. Values informing scholarship (e.g. generosity) can be multiple and overlapping (rather than buckets). Scholars can associate their research and scholarly activities with values that have influenced their work.

As stated in [Pulling Together: A Guide for Researchers](#), ethics in Indigenous communities are considered to be a set of practices and social behaviour based on values. For example, Indigenous research ethics<sup>20</sup> generally respect leadership and require developing trusting relationships and often resonate with the values of honour,

<sup>15</sup> See Cohen (2010)

<sup>16</sup> See Cohen (2015) and Loveless (2019)

<sup>17</sup> See Martin (2007)

<sup>18</sup> See Richlin (2001)

<sup>19</sup> See Fitzpartick (2021)

<sup>20</sup> See Biin, Canada, Chenoweth, & Neel (2021)



trust, honesty, and humility. They often embrace a commitment to collectivism and a respectful relationship with the land.

## 5 Research Assessments

Following the recommendation of KPU’s Senate Standing Committee on Research and Graduate Studies, the Senate at its meeting on Monday, March 23, 2020 endorsed the [San Francisco Declaration on Research Assessment](#) (DORA).<sup>21</sup> As of November 19, 2021, 20,670 individuals and organizations in 150 countries have signed DORA to date, including all major federal funding agencies. As noted on their website, DORA’s vision is to advance practical and robust approaches to research assessment globally and across all scholarly disciplines.

## 6 Descriptions Related to Knowledge Systems

	Term	Description
1	Indigenous Ways of Knowing	Indigenous ways of knowing emphasize an approach to knowledge that is metaphysical, holistic, oral/symbolic, relational, and intergenerational. Note that there is no single Indigenous way of knowing <sup>22</sup> .
2	Western (Eurocentric) Ways of Knowing	Western (Eurocentric) ways of knowing are ways of knowing by breaking into disciplines, and relying on mathematics, linguistics, logic, rationality, objectivity, and the measurement of observable phenomenon. Note that there is no single Western way of knowing <sup>23</sup> .
3	Eastern Ways of Knowing	The Eastern ways of knowing are diverse. Common themes include <i>holism</i> that stresses the interconnectedness between experience and objective reality, knowledge and social praxis, <i>relationalism</i> that views thoughts as products of human relationships, <i>human-heartedness</i> that emphasizes the importance of bettering fellow human beings through knowledge acquisition, and <i>goal-oriented</i> that focuses on accomplishing goals through cognition. The definitions were adapted from scholarly work on Chinese <sup>24</sup> and Indian epistemology <sup>25</sup> .

## 7 Acknowledgements

We wish to acknowledge input received from Daniel Bernstein, Amy Jeon, Christina Page, Larissa Petrillo, Leeann Waddington, Rajiv Jhangiani, Gayle Bedard, Kamala Nayer, Steve Chan.

<sup>21</sup> See San Francisco Declaration on Research Assessment (2013)

<sup>22</sup> See Stinson (2018)

<sup>23</sup> See Stinson (2018)

<sup>24</sup> See Liu (2017) and Rosker (2008)

<sup>25</sup> See Arnold (2008) and Clemens (2020)

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## SENATE STANDING COMMITTEE ON RESEARCH

**Agenda Number:** 7.1

**Meeting Date:** May 28, 2024

**Presenter(s):** Karen Meijer

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**AGENDA TITLE:** UPDATES TO FORMER WHITE PAPER ON RESEARCH  
QUESTIONS 1-5

**ACTION REQUESTED:** Information

**RECOMMENDED RESOLUTION**

**N/A**

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### Context and Background

During Fall 2023 and Spring 2024 3 invitations with relevant attachments were sent to Faculty Council Chairs and Deans. One survey was for Faculty Council Chairs to complete to the best of their ability, the other survey was for Department Chairs to complete. The surveys arose from the Former White Paper on Research and asked about research and scholarship activity and policy in departments.

A more fulsome report will be submitted in early Fall but today we provide a high-level summary.

### Key Messages

The response rate this year was very good; 4/5 Faculties with > 66% departmental response; 1 Faculty (Science) with 44% departmental response; 2 Faculties did not list # Departments, but both submitted updates/notes. ACP submitted a bare-bones update.

### Attachments

1. SSCR 2024 Updates to Former White Paper on Research Questions 1-5 – high level summary
2. "Nomenclature related to Research Innovation and Scholarship V20Oct2023.docx" **See item 6.1**
3. "2024 Spring White Paper update form\_FC Chairs 21Feb2024.docx"
4. "2024 Spring White Paper update form\_Dept Chairs 21Feb2024.docx"

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**Submitted by**

Karen Meijer

**Date submitted**

May 22, 2024

# SSCR 2024 Updates to Former White Paper on Research Questions 1-5

22 May 2024

**Process:** 3 invitations with \*relevant attachments sent to Faculty Council Chairs and Deans throughout Fall 2023 and Spring 2024 terms to serve as reminders

\*Relevant attachments sent to Faculty Chairs and Deans:

"Nomenclature related to Research Innovation and Scholarship V20Oct2023.docx"

"2024 Spring White Paper update form\_FC Chairs 21Feb2024.docx"

"2024 Spring White Paper update form\_Dept Chairs 21Feb2024.docx"

**Outcome:** All 7 Faculties submitted 2024 updates.

## Questions 1-5

[Note that Former WP Recommendation 1D = question 4; this item deals with Bargaining; FCs and Deans were not asked to provide updates on Question 4]

### STUDENT ENGAGEMENT IN RESEARCH ACROSS THE INSTITUTION

- A. THE WHITE PAPER APPROVED BY SENATE IN 2021 RECOMMENDED THAT ALL FACULTIES AND SCHOOLS DEVELOP RESEARCH PLANS IN ACCORDANCE WITH KPU'S ACADEMIC PLAN.
- B. THE WHITE PAPER ALSO RECOMMENDED THAT ALL DEPARTMENTS DEVELOP A FORMALIZED PLAN FOR INTEGRATING OPPORTUNITIES FOR UNDERGRADUATE RESEARCH. RESEARCH MUST BE REGARDED AS INTEGRAL TO LEARNING OBJECTIVES AND BE INCLUDED, FOR INSTANCE, AS A REQUIRED PART OF A MAJOR.
- C. THE WHITE PAPER ALSO RECOMMENDED THAT CURRICULUM AND PROGRAM DEVELOPMENT INITIATIVES THAT PROMOTE RESEARCH BE SUPPORTED.
- D. Bargaining issue; not reported on here.
- E. THAT RESEARCH SHOULD BE RECOGNIZED AS ESSENTIAL TO THE CLASSROOM AND TO THE SCHOLARSHIP OF TEACHING AND LEARNING. IT POINTED OUT THAT KPU FACULTY MEMBERS NEED TO BE PROACTIVE IN THEIR DISCIPLINES TO ENSURE THE CONTINUED RELEVANCE AND QUALITY OF EDUCATIONAL PROGRAMS.

Faculty Name	Research and Graduate Committee (Y/N)	Research Plan (Y/N)	# Depts	#Depts. w/ Formal Research Plan (%)	#Depts. Providing research opportunities (%)	#Depts w/out formal plan (%)	No response (%)	Dept. Response rate (%)
ACP	Yes	No						
Arts	Yes	Yes	21	1 (5%)	14 (67%)	2 (10%)	4 (19%)	81%

Business (MSB)	Yes	Yes, underway	15	3 (20%)	3 (20%)	4 (27%)	5 (33%)	67%
Design (WSD)	Yes	Yes	7	1 (17%) *draft plan	6 (83%)			100%
Health	Yes	??? [left blank]	6		4 (66%)	1 (17%)	1 + 1 N/A (17%)	83%
IDEA	??? [left blank]	Yes						
Science	Yes	Yes, underway	9	2 (22%)	2 (22%) Dean notes 2 addtnl depts with research	1 (11%)	5 (56%)	44%

ACP = Academic and Career Preparation

MSB = Melville School of Business

IDEA = Interdisciplinary Expressive Arts Program

WSD = Wilson School of Design

***High-level take-home message on Departmental (Chair) responses:***

The response rate this year was very good; 4/5 Faculties with > 66% departmental response; 1 Faculty (Science) with 44% departmental response; 2 Faculties did not list # Departments, but both submitted updates/notes. ACP submitted barest-bones update.



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## White Paper on Research and Scholarship Updates to Senate – Spring 2024

*Reponses to SSC on Academic Planning and Priorities, SSC on Curriculum and SSC on Research and Graduate Studies.*

***Please note that information shared in this document will be used to inform KPU Senate on academic priorities across the institution, and to help shape the future of research at KPU.***

Faculty/School:

### 1. Student Engagement in Research across the Institution

**a. The White Paper approved by Senate in 2021 recommended that all Faculties and Schools develop research plans in accordance with KPU's Academic Plan.**

Has your Faculty/School established a Research and Graduate committee?  YES /  NO

Has your Faculty/School established a plan for integrating research into programs?

YES /  NO /  IN DEVELOPMENT

Please provide the Senate with your Faculty/School's progress on research plan development. KPU's Academic plan can be found here <https://www.kpu.ca/vp-academic/academic-plan-2023>





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- c. **The White Paper also recommended that curriculum and program development initiatives that promote research be supported.**

**AND**

- e. **that research should be recognized as essential to the classroom and to the scholarship of teaching and learning. It pointed out that KPU faculty members need to be proactive in their disciplines to ensure the continued relevance and quality of educational programs.**

Please describe how the Faculty/School plans to support curriculum and program development initiatives that recognize research as essential to the scholarship of teaching and learning and promote research as part of curriculum.

**\*\*Thank you for submitting the updates\*\*  
Please return the completed form by May 3, 2024.**



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## White Paper on Research and Scholarship Department Updates Spring 2024

***Please note that information shared in this document will be used to inform KPU Senate on academic priorities across the institution, and to help shape the future of research at KPU.***

Department:

Does your department have a formalized plan for integrating opportunities for undergraduate research and scholarship?

YES /  NO

If your department does not have a formalized research plan, does your department currently provide undergraduate research and scholarship opportunities?

YES /  NO

**If YES to either of the previous questions**, please describe undergraduate research and scholarship opportunities in your department or provide a copy of formalized plan. This could be a recognition of the courses in which research opportunities are offered currently or planned in the future.

**If no to either of the previous questions**, does your department intend to provide undergraduate research and scholarship opportunities in the future?

YES /  NO

If yes, what ideas do you have in mind?

If no, what would be the main obstacles that prevent your department from pursuing such a goal?

What kind of curricular support would help the department promote undergraduate research and scholarship opportunities (e.g., department assistant; Dean's assistant; information about what constitutes research and scholarship)?

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**\*\*Thank you for submitting the updates\*\***  
**Please return the this form to your Faculty Council by April 22, 2024.**

