COMPUTER SCIENCE UNDERGRADUATE PROGRAM EVALUATION AND RENEWAL

Strategy 12: Program Redesign

Strategic Plan In Action

Presenters: Rachel Pottinger (CS Associate Head of the Undergraduate Program) and Eugenie Lai (CS student)

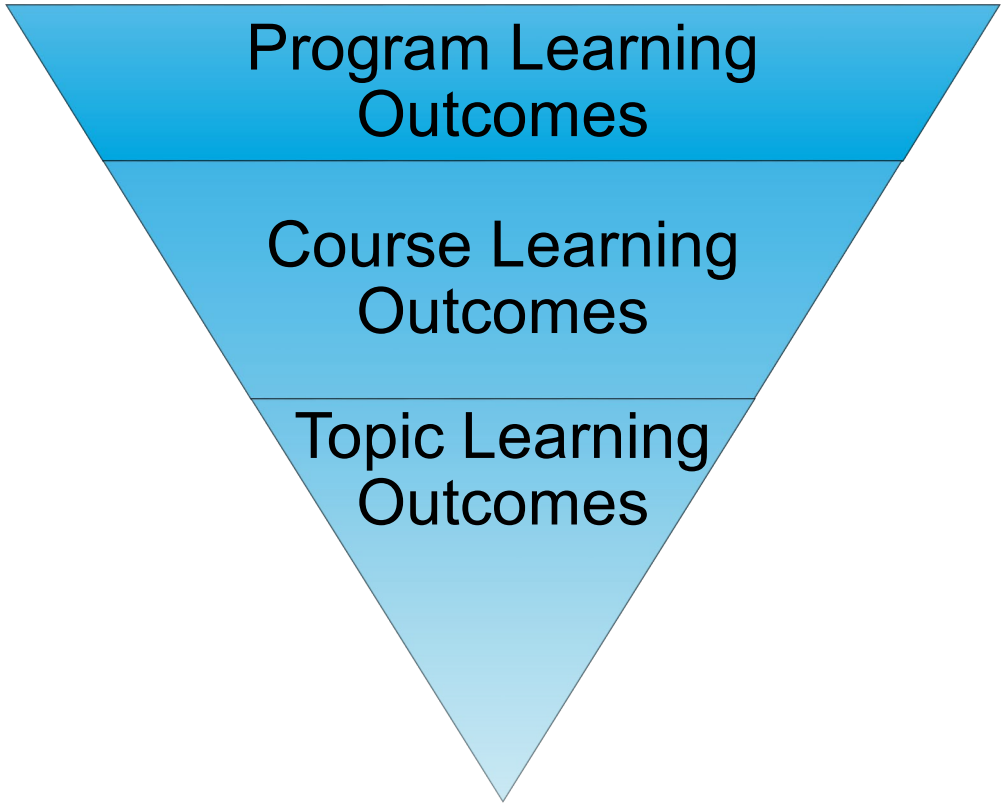
Additional team members:
Alice Campbell (CS Science Education Specialist), Carrie Hunter (CTLT),
Noa Heyl (CS student), Svetlana Sodol (CS student), Sarah Elhammade (CS student)

GOAL: RAISE THE DISCOURSE ABOUT OUR UNDERGRADUATE PROGRAM FROM THE COURSE LEVEL TO THE PROGRAM LEVEL

Awarded through UBC's Undergraduate Program Evaluation and Renewal (UPER) Competition

Overall planned outputs:

- Course learning outcomes
- Current program learning outcomes
- Desired program learning outcomes
- Mapping from course learning outcomes to program learning outcomes



Strategic Plan In Action

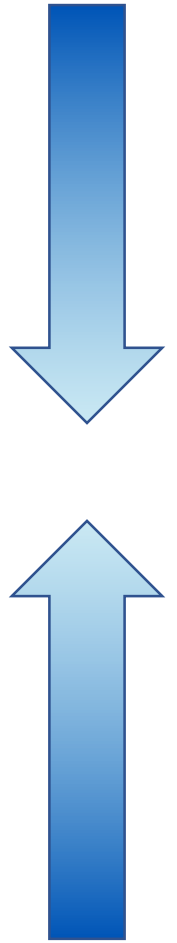
TWO APPROACHES: TOP DOWN AND BOTTOM UP

Top down:

- Led the department to create strawmen draft and desired Program Learning Outcomes.
- Clustered the strawmen Program Learning Outcomes, distilled them, and mapped them to the Course Learning Outcomes.

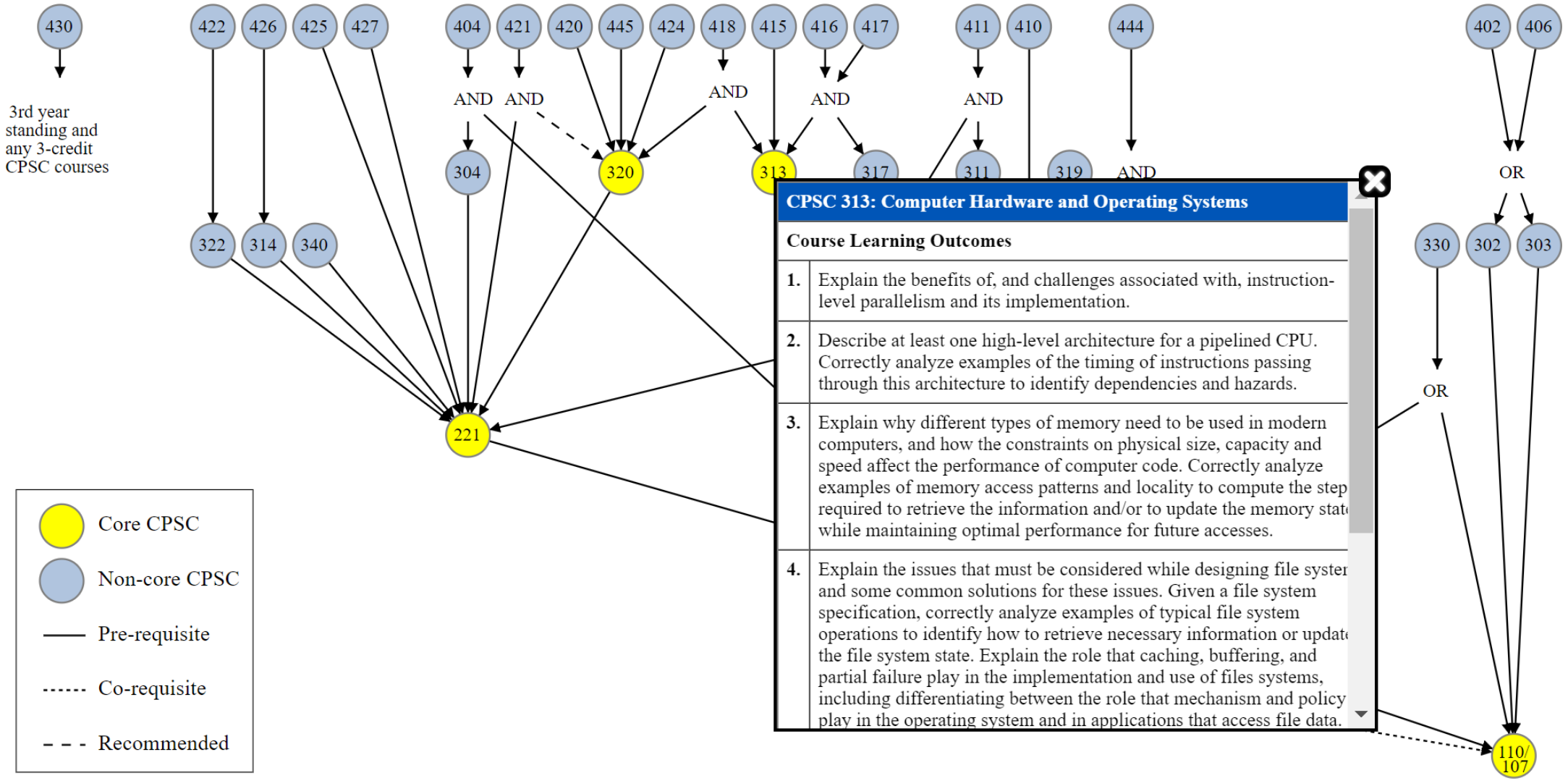
Bottom up:

- Helped faculty to create Course Learning Outcomes that adhere to best practice for all required courses and 75% of our courses overall.
- Interviewed a representative set of students from across our specializations.
- Visualized our prerequisite chain and course learning outcomes.
- Began working with our required course streams to create stream learning outcomes.



Strategic Plan In Action

SNAPSHOT OF INTERACTIVE CURRICULUM VISUALIZATION TOOL



Strategic Plan In Action

CORE IMPACT SO FAR

Enhancing communication:

- Increased communication across streams.
- Improved communication with concerned students.
- Helped sessionals and lecturers prepare their courses.

From courses to curriculum:

- Identified two topics to improve across our curriculum: parallelism and collaboration.
- Prerequisite graph has highlighted problems with our prerequisite structure.
- Discovered some missing course learning outcomes.

Strategic Plan In Action

MULTIDISCIPLINARY UNDERGRADUATE RESEARCH PROJECTS IN HEALTH (MURPH) UBC - OKANAGAN

Strategy 8: Student Research

Strategic Plan In Action

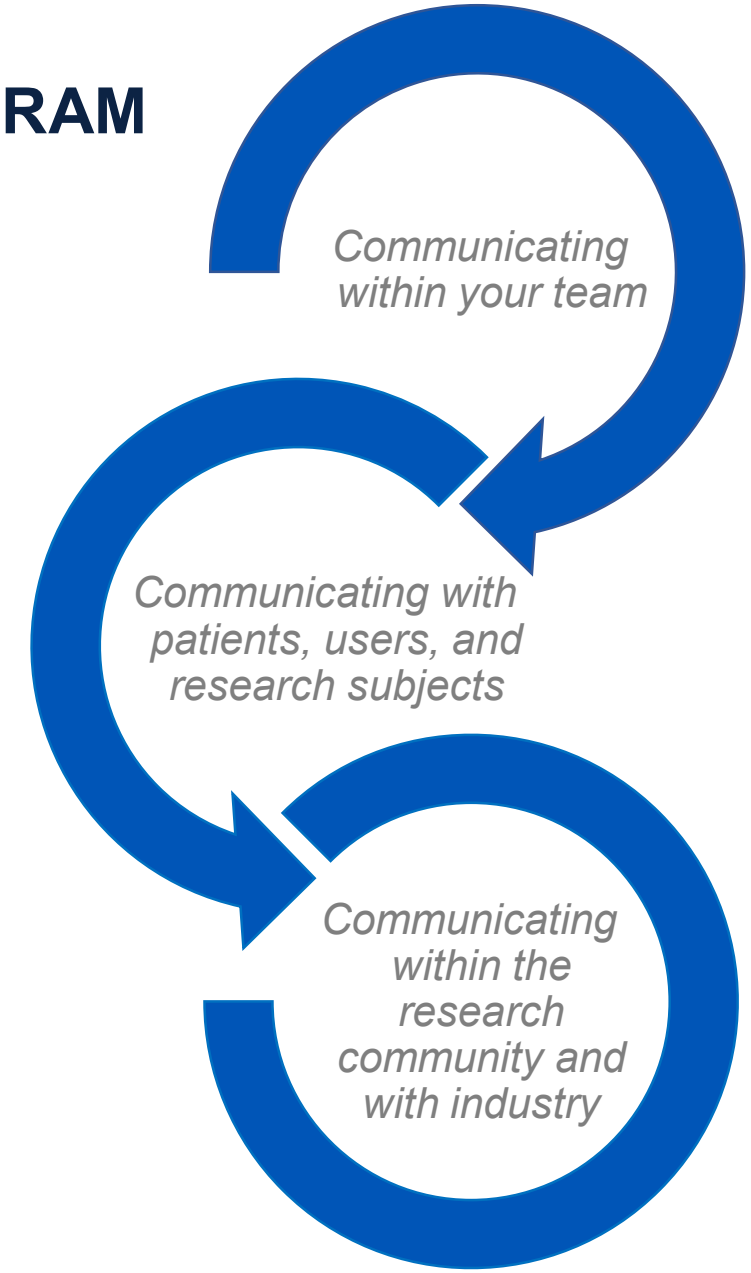
Presenter: Nicole Ketter, 4th year BSc student
Biology, Psychology (double major)

Supervisor: Brodie Sakakibara, PhD
Department of Occupational Science and Occupational Therapy
Centre for Chronic Disease Prevention and Management

OVERVIEW OF MURPH PROGRAM

Awarded through UBC's Program for Undergraduate Research Experience (PURE) Competition

MURPH offers a unique cross-disciplinary platform to undergraduate students to engage in applied health research projects and receive professional training through various workshops.



Workshop 1

Multidisciplinary Teamwork and Collaboration

Workshop 2

Patient-Oriented Research and Design Thinking

Workshop 3

Research Presentation and Dissemination

Strategic Plan In Action

VIRTUAL REALITY, DEPRESSIVE SYMPTOMS AND SEDENTARY BEHAVIOUR IN INPATIENT STROKE SURVIVORS: A PILOT RANDOMIZED CONTROLLED TRIAL

Research Summary

Primary Hypothesis: The protocol will demonstrate sufficient feasibility to support a subsequent multisite randomized control trial

Secondary Hypothesis: The VR intervention will significantly improve measures of depressive symptoms and sedentary behavior in stroke survivors receiving inpatient rehabilitation

Student Benefit

- Apply knowledge & utilize skills
- Mentorship
- Leadership
- Clinical experience

Strategic Plan In Action

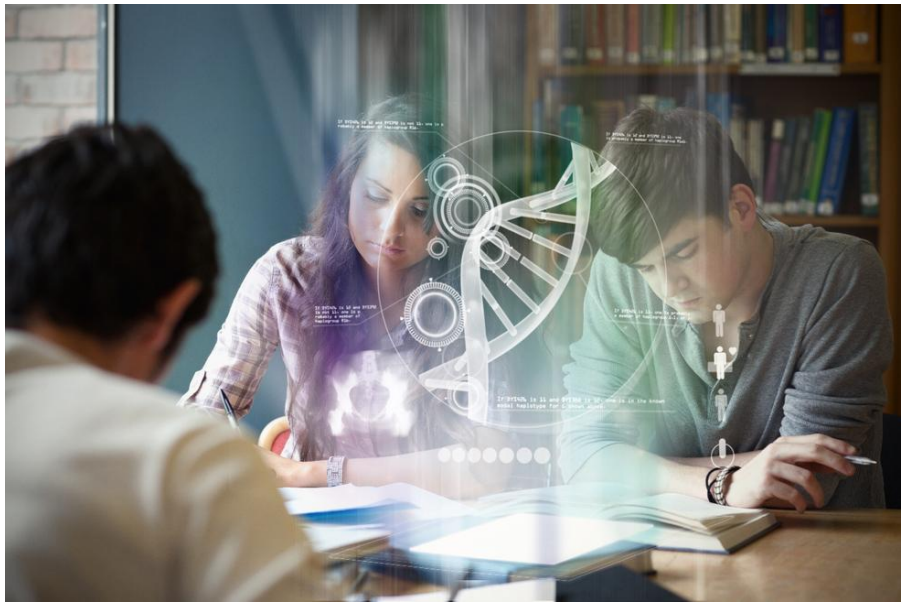
Dr. Sakakibara
(Medicine)

Ms. Jansons
(Social Work)

Nicole Ketter
(Biology)

Lydia Wood
(Psychology)

INCLUSION, COLLABORATION AND INNOVATION



Increased research opportunities and diverse student backgrounds demonstrate **inclusion**

Multidisciplinary nature and peer learning demonstrate **collaboration**

Uniqueness of MURPH program and novel concepts in research teams demonstrate **innovation**

Strategic Plan In Action