**PD Activity: Applied Research**

The following professional development activities are offered specifically for COTR faculty who are interested in learning more about applied research. Whether your interest is in incorporating an applied research component into your curriculum, pursuing a research project of your own, or just familiarizing yourself with the scope and opportunities afforded by applied research, we have something for you here!

These resources have been compiled by Julie Kent, (Hons. B.A., M.L.I.S.), COTR’s Instructional and Research Librarian.

**Level of commitment: Just a taste (~1 hour)**

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| PD Goal/Topic:* Develop greater awareness of Applied Research fundamentals and opportunities to enhance student learning through incorporating research based projects and inquiry into coursework and assignments.
* Gain understanding of Applied Research culture and characteristics.
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| RationaleAligns with COTR strategic plan, curriculum, and departmental aims and learning initiatives, combined with the adoption of elements of a research culture aimed to enhance student experiences and learning. |
| Procedure (Detailed plan of how to accomplish your PD goals)* Access the recommended resources, read and reflect
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| *When* | *What/Format*(workshop, model lesson, etc.) | *Who*(facilitator & audience) | *Where* | *Why/Rationale* |
| ***Choose one or more of the following topics/resources*** |
| 1 hour  | Read **professional** and **authoritative** literature on topic:Community College Students and Applied Research. Professional File. Number 30From the Canadian Society for the Study of Higher Education<http://files.eric.ed.gov/fulltext/ED535131.pdf> | Self-directed | Mobile | “Student participation in applied research as a form of experiential learning in community colleges is relatively new.. . This study took place in a college with a more established applied research program with the study goal of hearing and listening from the students and their teacher/research leaders as to their perceived benefit from the research program.” Source: article from CSSHE |
| 1 hour | Read **professional** and **authoritative** literature on topic:Luke, R. (2013). Measuring innovation skills acquired by college and polytechnic students through applied research. *Technology Innovation Management Review, 3*(10), 36-43. Retrieved from <http://ezproxy.cotr.bc.ca/login?url=http://search.proquest.com/docview/1614471713?accountid=37668>  | Self-Directed | Mobile | Gain understanding in the context of assessment of learning when incorporating and planning for applied research in coursework. |
| 1 hour | Read **professional** and **authoritative** literature on topic:Out in the Field: Experiencing a Research Learning Journeythrough a Community-Based Pilot Project<http://files.eric.ed.gov/fulltext/EJ962359.pdf>  | Self-Directed  | Mobile | The literature presents an applied research project “In collaboration with community agencies, this research project provided college students with practical experience in various components of research methodology, and explored their experiences in conducting research through the implementation of a peer-mediated social skills program”. |
| 1 hour | Read **professional** and **authoritative** literature on topic:Paterson, G., Rachfall, T., & Reid, C. (2013). Building a Culture of Research. *Therapeutic Recreation Journal*, *47*(4), 259-275. Permalink <http://ezproxy.cotr.bc.ca/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=s3h&AN=92693944&site=eds-live>  | Self-directed | Mobile | Identifying characteristics of a research culture is essential to integrating applied research in the classroom. |

**PD Activity: Applied Research**

**Level of commitment: Introductory smorgasbord (~ ½ – 1 day)**

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| PD Goal/Topic:* Learn more about Applied Research projects, programs, and opportunities.
* Prepare to undertake an applied research project and/or incorporate applied research activities into your course curriculum.
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| RationaleAligns with COTR strategic plan, curriculum, and departmental aims and learning initiatives, combined with the adoption of elements of a research culture aimed to enhance student experiences and learning. |
| Procedure (Detailed plan of how to accomplish your PD goals)* Access the recommended resources, read, reflect, discuss with colleagues. Meet with Instructional & Research librarian to develop a personalized study plan. Meet with Chair, Applied Research, to plan specific applied research projects or explore further opportunities in the community.
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| *When* | *What/Format*(workshop, model lesson, etc.) | *Who*(facilitator & audience) | *Where* | *Why/Rationale* |
| ***Choose one or more of the following topics/resources*** |
| ½ day | Discover programs and projects offered and executed at other Canadian and BC Colleges:Applied Research and Innovation at Centennial College<https://www.centennialcollege.ca/programs-courses/centres-institutes/applied-research-and-innovation/about-aric/>Research Projects at Bow Valley College<http://www.bowvalleycollege.ca/campus-services/applied-research-and-evaluation/research-projects.html> Justice Institute of British Columbia <http://www.jibc.ca/research> Applied Research & Innovation at Selkirk College<http://selkirk.ca/about-us/research/applied-research-innovation> Applied Research at Langara College<http://langara.bc.ca/about-langara/applied-research/index.html> | Self-Directed | Mobile | Review Applied Research positions and programs offered at other Canadian and some BC Colleges: explore research topics and outcomes; gain insights into scope, content, delivery, incorporation into curriculum, engagement with students and industry or businesses. |
| ½ day | Read professional and authoritative literature on topic:Applied Research at Canadian Colleges<http://www.accc.ca/wp-content/uploads/archive/pubs/studies/2011_innovation_eng.pdf>  | Self-directed | Mobile | Backgrounder: “Applied research at Canada’s colleges and institutes has expanded rapidly over the last five years. This report provides an overview of the current context and positions colleges and institutes as key players in Canada’s innovation system.”  |
| ½ - 1 day | Complete the 8-module online tutorial “TCPS2-CORE” to learn about research ethics | Online tutorial offered by the Tri-Council Secretariat on Research Ethics | Online at <http://tcps2core.ca/welcome>  | This self-guided online tutorial is designed for people planning a research project involving humans as subjects. |
| 1 day | Read professional and authoritative literature on topic:Colleges, Institutes & Polytechnics:Applied Research for Economic and Social Development<https://www.saultcollege.ca/services/AppliedResearch/ACCC%20Applied%20Research%20Project%20Showcase%202012.pdf>  | Self-directed | Mobile | Identifying opportunities to design and partner for applied research initiatives; gain understanding into opportunities and potential for student engagement and learning. |
| 1 day | Read professional and authoritative literature on a wide variety of topics related to your particular research interests (select from the following list or meet with the Instructional & Research librarian to develop a personalized study list): | Self-Directed | Mobile | A study on creating a research culture incorporating time for Faculty to engage in applied research activities.Backgrounder. |
|  | The Challenge of Finding Faculty Time for Applied Research Activities in Ontario Colleges. Available online from College Quarterly, Summer 2013 - Volume 16 Number 3. <http://www.senecacollege.ca/quarterly/2013-vol16-num03-summer/rosenkrantz.html> Accompanying references (requests to be made through COTR Library Interlibrary Loan Service) Association of Canadian Community Colleges (b). (2012). *College and Institute Applied Research: Incremental Innovation for Growth and Prosperity.* Ottawa: Association of Canadian Community Colleges.Association of Canadian Community Colleges (c) . (2011 Feb.). *Productivity through Innovation: Canada’s Colleges and Institutes.* Ottawa: Association of Canadian Community Colleges.Association of Canadian Community Colleges. (2000). *Ontario's Colleges for the 21st Century:Capacity and Charter Framework.* Association of Colleges of Applied Arts and Technology.Association of Universities and Colleges in Canada. 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(1986). *Canada's Community Colleges: A Critical Analyasis.* Vancouver: University of British Columbia Press.Fisher. (2008). *Faculty Participation in Research at Canadian Colleges: A National Survey.* Canadian Council on Learning.Fisher, R. (2009). *A Conceptual Framework for Research at Canadian Colleges.* London, Ontario: School of Graduate and Postdoctoral Studies, the University of Western Ontario.Government of Ontario. (2000). Post-secondary Education Choice and Excellence Act, 2000. Retrieved 2011, from: http://www.e-laws.gov.on.ca/html/statutes/english/elaws\_statutes\_00p36\_e.htmGovernment of Ontario. (2002). Ontario Colleges of Applied Arts and Technology Act, 2002 (S.O. 2002, Chapter 8, Schedule F). Retrieved November 20, 2010, from http://www.e-laws.gov.on.ca/html/statutes/english/elaws\_statutes\_02o08f\_e.htmJones, G. (2004). 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(2002). *Frascati Manual: The Measurement of Scientific and Technological Activities:Proposed Standard Practice for Surveys on Research and Experimental Development.* Paris: Organization for Economic Cooperation and Development.Post-secondary Education Quality Assessment Board. (2010). *Handbook for Ontario Colleges*. Retrieved from: http://www.peqab.ca/Publications/HNDBKCAAT2010.pdfSkolnik, M. L. (2002). Ontario Community Colleges and Change: Is there an Essence that has Remained Constant? Does it Matter? *The 2002 Sisco Address, The Association of Colleges of Applied Arts and Technology.* London, Ontario.Tierney, W. (1988, January/February). Organizational Culture in Higher Education: Defining the Essentials. *Journal of Higher Education, 59*(1).Vaughan, G. (1988). Scholarship in Community Colleges: The Path to Respect. *69*(2), 26-31 |

**PD Activity: Applied Research**

**Level of commitment: Full meal deal (3 – 5 days)**

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| PD Goal/Topic:Increase awareness of Applied Research benefits and opportunities to enhance student learning through networking and connections with industry-based research and innovation. |
| Rationale* To develop research connections, learn about current research in postsecondary contexts, further instruction skills incorporating student research into coursework and instruction modules
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| Procedure (Detailed plan of how to accomplish your PD goals)* Attend relevant workshops & conferences where content is specific to applied research in the postsecondary sector, topics relevant to engaging students in research.
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| *When* | *What/Format*(workshop, model lesson, etc) | *Who*(facilitator & audience) | *Where* | *Why/Rationale* |
| May 22 – 26, 2015 | Leading Change Conference | Colleges and Institutes Canada<http://www.collegesinstitutes.ca/conference/>  | Winnipeg | Conference topics include: * Research on Colleges, Learning Technologies
* Teaching and Learning
* Teaching and Learning and Student Success
* Applied Research
* Indigenous Education
* Leadership
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| Expected Outcomes (Expected student outcomes and/or changes in teaching practice as a result of this PD)Take-aways Include: gaining and better understanding of strategies and tools for enhancing mobility, prior learning and pathways for learners; showcasing key initiatives and strategies that support student engagement; the faculty/student relationship; the online/distance learning perspective; applied research in mental health/healthy settings; field-based experiential learning; the internationalization of the curriculum and the support of international students; emerging technologies that enhance teaching and learning.  |