Open Educational Resources

Access, Equity, & Student Success

Rajiv Jhangiani, Ph.D.
University Teaching Fellow & Psychology Instructor, Kwantlen Polytechnic University
Open Education Advisor, BCcampus

@thatpsychprof
Emergency services key box by Dennis van Zuijlekom, CC-BY-SA 2.0
"higher education shall be accessible to all"
## Cost of Attendance

<table>
<thead>
<tr>
<th>Expense</th>
<th>Living in Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition and Fees</strong>*</td>
<td>$7,189.80 - $8,492.30</td>
</tr>
<tr>
<td>(based on 30 credit hours)</td>
<td></td>
</tr>
<tr>
<td><strong>Health &amp; Dental Plan</strong></td>
<td>$205.00</td>
</tr>
<tr>
<td>(automatically included, but</td>
<td></td>
</tr>
<tr>
<td>students can opt out with</td>
<td></td>
</tr>
<tr>
<td>appropriate documentation;</td>
<td></td>
</tr>
<tr>
<td>see ihaveaplan.ca)</td>
<td></td>
</tr>
<tr>
<td><strong>Books and supplies</strong></td>
<td>$1,000 - $3,000</td>
</tr>
<tr>
<td><strong>Residence</strong></td>
<td>$6,964</td>
</tr>
<tr>
<td><strong>Food</strong></td>
<td>$2,500 - $3,500</td>
</tr>
<tr>
<td><strong>Miscellaneous</strong> (personal</td>
<td>$2,500</td>
</tr>
<tr>
<td>items, clothing, transportation, entertainment, etc.)</td>
<td></td>
</tr>
</tbody>
</table>

* Tuition fees vary by Faculty  
**Based on a four-bedroom apartment in Kišik Towers

$20,358.80 - $24,661.30
$20,358.80 - $24,661.30
at $10.96/hour (minimum wage)
= $1,858 - 2,250 hours
(36 - 43 hours/week)
<table>
<thead>
<tr>
<th>Region</th>
<th>1975</th>
<th>2013</th>
<th>Increase (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>National average</td>
<td>230</td>
<td>570</td>
<td>148%</td>
</tr>
<tr>
<td>Nfld.</td>
<td>227</td>
<td>264</td>
<td>16%</td>
</tr>
<tr>
<td>N.S.</td>
<td>308</td>
<td>606</td>
<td>97%</td>
</tr>
<tr>
<td>P.E.I.</td>
<td>266</td>
<td>570</td>
<td>114%</td>
</tr>
<tr>
<td>N.B.</td>
<td>293</td>
<td>613</td>
<td>109%</td>
</tr>
<tr>
<td>Que.</td>
<td>214</td>
<td>266</td>
<td>25%</td>
</tr>
<tr>
<td>Ont.</td>
<td>260</td>
<td>708</td>
<td>173%</td>
</tr>
<tr>
<td>Man.</td>
<td>183</td>
<td>366</td>
<td>100%</td>
</tr>
<tr>
<td>Sask.</td>
<td>196</td>
<td>639</td>
<td>226%</td>
</tr>
<tr>
<td>Alta.</td>
<td>174</td>
<td>577</td>
<td>231%</td>
</tr>
<tr>
<td>B.C.</td>
<td>175</td>
<td>491</td>
<td>180%</td>
</tr>
</tbody>
</table>

(Source: Canadian Centre for Policy Alternatives)
I see debt people.
GAME OF LOANS
INTEREST IS COMING
I WILL ALWAYS
REMEMBER UBC FOR
MY CRIPPLING DEBT.

#ubcggrad
Average debt by impact of debt on future plans

- I have no debt: $463
- It does not affect my decision: $14,458
- It discourages me from taking further education: $22,042
- It prevents me from taking further education: $30,157
- I need more education to earn enough to repay it: $28,506

More post-secondary students using food banks in Ontario: Hunger Report

University Students and Grads Are Using Food Banks More Than Ever

It's that time of year again, summer is almost a memory and children are heading back to school. Some students dread the first day of school, while others can't wait for new adventures, and to see the friends they've missed. For over 130,000 Ontario children back to school often comes as a welcome relief to the daily struggle of trying to find a healthy, nourishing breakfast.

The Ontario Association of Food Banks' network includes 125 direct member food banks that support over 300 breakfast clubs across the province. These clubs ensure that students have access to a balanced breakfast to help them focus on school instead of their growling bellies. Many of our member food banks also offer additional support through lunch and snack programs, backpack programs, and helping children obtain back-to-school essentials such as binders, paper, and stationary.
Alberta universities report dramatic rise in food bank use

MADELEINE CUMMINGS, EDMONTON JOURNAL

Published on: July 26, 2015 | Last Updated: July 26, 2015 11:32 PM MST
B.C. post-secondary students increasingly relying on food banks

Facility at UBC appears headed toward a second straight 100-per-cent annual increase

BY MATTHEW ROBINSON, VANCOUVER SUN  JULY 17, 2015
Turn Towards Open to Overcome the Control Valve by Alan Levine, CC0
Since 1977, textbook prices have risen at more than triple the overall rate of U.S. inflation. Use the filter to choose a date range to track textbook price inflation. (SOURCE: BLS)
Principles of Instrumental Analysis, 6th Edition

Bound Book

Purchase Options
- Hardcover  $422.95
- Bound Book  $119.99  |  RETAIL $119.99
- Bookstore Wholesale Price $305.75  |  RETAIL $406.95

Instructors Next Steps
Students Buy or Rent
Buy used (if possible)
Resell (if possible)
Buy online
Rent
Shared purchase
(Inter)library loans
Photocopy
International edition
Old edition
“I figured French hadn't changed that much”

– University of Minnesota student
Penn State, you are gouging your students. We'd be willing to pay a fair price for this book, but that would be far south of the ~$200 you charge at the bookstore. Fix this, and lower the tuition a bit, and maybe students like me won't spend several days scanning your shit and putting it online. Also clean the bathrooms on the first floor of Willard, they're so gross.

This textbook includes several chapters from another book by Pearson called Managerial Accounting. These are all the pages included in the three-hole punch version, so if it appears that a few chapters are skipped, well, it was published that way.
DO I REALLY NEED THE TEXTBOOK?

YES, BUT ONLY FOR TWO CHAPTERS
54%  Not purchase the required textbook
30%  Earn a poor grade
27%  Take fewer courses
26%  Not register for a specific course
17%  Drop or withdraw from a course

“Inclusive Access”
open textbooks

I just spent $CENSORED on textbooks!??!

Join the campaign to finally do something about skyrocketing textbook costs.

Together we can make open and free textbooks a reality

Because open textbooks are faculty-written, peer-reviewed, and made freely available

I support Open Educational Resources

FIRST NAME: 
#TextbookBrokeBC

I just spent $613.77 on textbooks!

#TextbookBrokeBC
#UVSS @theUVSS
@AMS_UBC $620.60 😞💔
#textbookbrokeBC
I spent $650 on textbooks, I could've spent that on RENT
#textbookbrokeAB
I just spent $750 on textbooks.

I'd rather spend my money on food (instead of textbooks).
<table>
<thead>
<tr>
<th>Year</th>
<th>Creative Commons Licensed Works</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>1,204,935,537</td>
</tr>
<tr>
<td>2015</td>
<td>1,118,900,000</td>
</tr>
<tr>
<td>2014</td>
<td>882,000,000</td>
</tr>
<tr>
<td>2010</td>
<td>400,000,000</td>
</tr>
<tr>
<td>2006</td>
<td>140,000,000</td>
</tr>
</tbody>
</table>

Source: Creative Commons, 2016 State of the Commons report
The Count of Monte Cristo, Illustrated by Alexandre Dumas
Not just free or low-cost textbooks

Not just digital textbooks
I personally really like the convenience of having the complete set of chapters on my computer and even accessible from my phone if I need it. I like that I don't have to lug around another text book.

I would not have bought the text book for this course because it's an elective. I would have possibly walked away with a C, now I might actually get an A-

It's free and it's a great money saver.

It is easily accessible and convenient. Material is easy to understand and follow.
Commercial vs. open textbooks: Exam performance

Jhangiani, R. S., Dastur, F., LeGrand, R., & Penner, K. (under review). As good or better than commercial textbooks: Students’ perceptions and outcomes from using open digital and open print textbooks.
Commercial vs. OER

(Face to Face)

Drop: 2.3% | 1.8%
Withdraw: 9.9% | 8.1%
C or Better: 68% | 74%

(Online)

Drop: 4.0% | 1.4%
Withdraw: 13.7% | 13.1%
C or Better: 66% | 70%

Hilton et al. (2016)
Cost savings
Access
Outcomes
Adapt, update, & remix
Enrolment
Persistence
Completion
Zed Cred/Z Degree Grants

Key Dates

Closing date for proposals: Friday June 16, 2017 11:59 PM PST

Successful submission notification date: Friday July 7, 2017

Grant recipient announcement date: Tuesday July 18, 2017

Open to faculty and staff from post-secondary institutions in British Columbia and Yukon.

Introduction

Since 2012 the Ministry of Advanced Education has funded the BC Open Textbook Project and tasked BCcampus with managing it. The goal of the BC Open Textbook Project is to provide flexible and affordable access to higher education learning resources in BC by making available openly licensed textbooks that align with the most highly enrolled first and second year undergraduate subject areas, as well as in selected skills training and trades subject areas.

In 2017, BCcampus will continue to advance the Province’s open, affordable education vision by working closely with BC’s higher education institutions to continue to build the BC Open Textbook collection. With the support of both the Ministry of Advanced Education and the Hewlett Foundation, BCcampus will distribute two grants (maximum $35,000.00) to BC Institutions committed to the development of a “Zed Cred” (Z Degree) Program. With the funds, Institutions will not only develop pathways to credential by adopting and adapting pre-existing OER, the funds may also be used to create new OER necessary for the program. The Institutions will also be required to package and publish their degree paths such that other Institutions from BC and beyond can borrow from their progress. Any learning materials created under the Zed Cred program will hold a Creative Commons BY license and must be fully editable. The programs chosen must demonstrate significant student savings and impact across the B.C. system.
The successful applicants for the first Zed Cred program funding in both British Columbia and in Canada are:

- Kwantlen Polytechnic University – Certificate in Arts
- Thompson Rivers University – Certificate in General Studies
- The Justice Institute of British Columbia – Law Enforcement Studies Diploma
1. Raise awareness about textbook unaffordability + availability of OER/open textbooks
2. Collect data about student textbook behaviours
3. Advocate to faculty (ask to speak at Department, Faculty, & Senate meetings)
4. Lobby to make OER easily discoverable (library catalogue, guides)
5. Lobby for resources to support training, an open textbook review program, OER grant program, institutional policy
6. Identify, support, & recognize early adopters
7. Pass a resolution supporting the adoption of OER
8. Lobby to create a campus OER working group
open.bccampus.ca
It’s not only about access to knowledge. It’s about access to knowledge creation.
As part of university course work, Dr. Amin Azzam’s medical students edit and improve CC-licensed Wikipedia articles that are viewed more than 22 million times over the year.

Source: Creative Commons, 2016 State of the Commons report
22,000 Students who have taken on Wikipedia assignments since 2010

37,000+ New articles that students have created

97% Instructors who say they will, or plan to, teach with Wikipedia again
Environmental Science Bites

Edited by Kylienne A. Clark, Travis R. Shaul, and Brian H. Lower


Bite-sized Investigations into Earth’s Challenges, written by Buckeyes

This book was written by undergraduate students at The Ohio State University (OSU) who were enrolled in the class Introduction to Environmental Science. The chapters describe some of Earth’s major environmental challenges and discuss ways that humans are using cutting-edge science and engineering to provide sustainable solutions to these problems.
Once we began to create our video on aspects of the 'Persuasion: So Easily Fooled' module, we were motivated by the knowledge that our video had the potential to teach others about the topic. We learned a lot in researching and reading about the topic of persuasion, and we hope our video continues to spread the knowledge and inspire others to want to learn more. Even after the production of the video had concluded we began to notice the principles we discussed in advertisements as we looked around. The creation and continued result is a fascinating thing and we are so glad to have participated.
Adaptation of "Abundance" by Luis Prado, CC BY 3.0

rajiv@kpu.ca

@thatpsychprof

www.slideshare.net/thatpsychprof