Open Education and TLEF Projects

Open Education is a TLEF Priority Focus

UBC-V's Teaching and Learning Enhancement Fund (TLEF) was created in 1991 to enrich student learning by supporting innovative and effective educational enhancements.

Starting in the 2017/2018 cycle, a priority focus on the **development or integration of open educational resources (OER)** was added to the criteria for new proposals. Furthermore, eligibility requirements specifically stated that funded projects would be encouraged to **openly license their developed materials under an appropriate Creative Commons license to allow for broad sharing** within and beyond UBC.

Approximately 25% of the 2017/2018 TLEF funded projects had an explicit open strategy. These open projects, in aggregate, received **$504,000** in funding, or slightly more than 21 percent of the total TLEF funds that year.

What is Open Education?

Open education encompasses resources, tools, and practices that employ a framework of open sharing to improve educational access and effectiveness. Open activities supported by the TLEF include:

The **adoption, adaptation, and creation of OER.** OER are teaching, learning, and research resources that are free of access barriers, and which often carry legal permission which allows anyone to freely use, adapt and share the resource.

The **adoption of open education pedagogies and practices** that leverage UBC's open technologies and OER to allow for flexible, authentic, student-centered, and accessible learning.

Get Support & Learn More: http://open.ubc.ca or will.engle@ubc.ca

Examples of Open Education Projects Funded by the TLEF

SoilWeb200: Open Resource for Authentic Student Learning: One objective of the project is to enhance use of an open soil educational resource by embedding open pedagogies that allow authentic knowledge creation and encourage students to connect course content with real-world applications.
Faculty of Land and Food Systems; Maja Krzic

Building Digital Citizenship and Critical Digital Literacies in French Program Teacher Candidates through Open Educational Repositories: This project aims to provide French teacher candidates with the necessary skills and resources to effectively create and share resources in alignment with the revised B.C. Curriculum and Digital Literacy Framework.
Faculty of Education; Yvonne Dawydiak

Open ChemE: Increasing authentic student learning through open educational resources: This project aims to increase authentic student learning through the curation, development, and provisioning of openly available multi-media chemical engineering resources. Additionally, students will build upon these educational resources.
Faculty of Applied Science; Jonathan Verrett

UBC Library Support for Open Textbook and Open Educational Resource (OER) Creation: The UBC Library will assist faculty in creating, adapting, or adopting open textbooks and OERs. The goal is to produce up to 8 open textbooks across subject disciplines.
UBC Library; Leonora Crema

Sustainability Case Studies: A Model for Interdisciplinary Learning and Showcasing of Student Work: This project brings together faculty and students from across departments and Faculties to co-create an interdisciplinary, open educational resource on sustainability and environmental ethics.
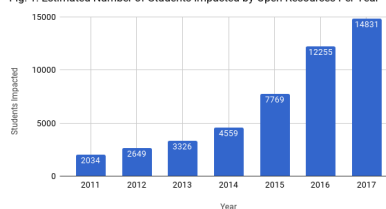*Faculty of Arts and UBC AMS; Christina Hendricks*

UBC Anatomy: an open access online repository of modular anatomy content for integration across curricula: In this project, faculty and students from across UBC will collaborate to create a comprehensive set of resources to support anatomy education in all UBC programs.
Faculty of Medicine; Claudia Krebs

Open Education is Increasing at UBC

Since 2011, more than **47,000** UBC students have enrolled in courses in which instructors used OER instead of traditional textbooks. At least $4.7 to $6.7 million dollars have been saved by students in these courses and these figures are increasing each year.

Fig. 1: Estimated Number of Students Impacted by Open Resources Per Year

The TLEF is Funded By Students

The TLEF is financed through a portion of the student tuition paid to UBC Vancouver. Access to educational materials is an important topic for students.

75% According to the 2016 AMS Student Experience Survey, nearly 75% of students have not bought a course text due to cost at least once and 37% reported they often or frequently go without textbooks or resources due to cost.

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