Department of Community, Culture, and Global Studies + UBC Studios Okanagan

VISUAL + OBJECT ETHICS NON-CREDIT MICRO-CREDENTIAL

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1. Overview

Non-credit micro-credentials on ethics provide an exciting opportunity to learners at UBC and beyond to foster applied skills in research ethics with a focus on visual methods and object analysis. Currently in Canada, there exists no such non-credit program that allows learners to think about ethical approaches to still and video capture as well as object documentation. This knowledge is critical whether one continues in academic research, moves to government, non-profit, or other industries. We are creating micro-credentials that allow learners to engage with ethics, theory, and practice to gain competency and/or proficiency.

2. Competency vs. Proficiency

During a comprehensive field scan over the first year of the project, we observed the ever-shifting landscape of micro-credentials. To respond to potential future users and emerging technology, we have realized through the first iteration that offering learners the chance to gain the ethical and theoretical knowledge can be part of the Open Education outputs of this project. This is what comprises the competency aspect of the credential. To advance to proficiency, the micro-credentials can be embedded into UBCO classes, offered as summer workshops, or as industry training opportunities where learners can create 3D models.

3. Goals of Micro-Credentials

Competency

- Cover all ethical considerations from copyright laws, Indigenous protocols, patent laws, and intellectual property rights when using and creating and working with visual + material culture.

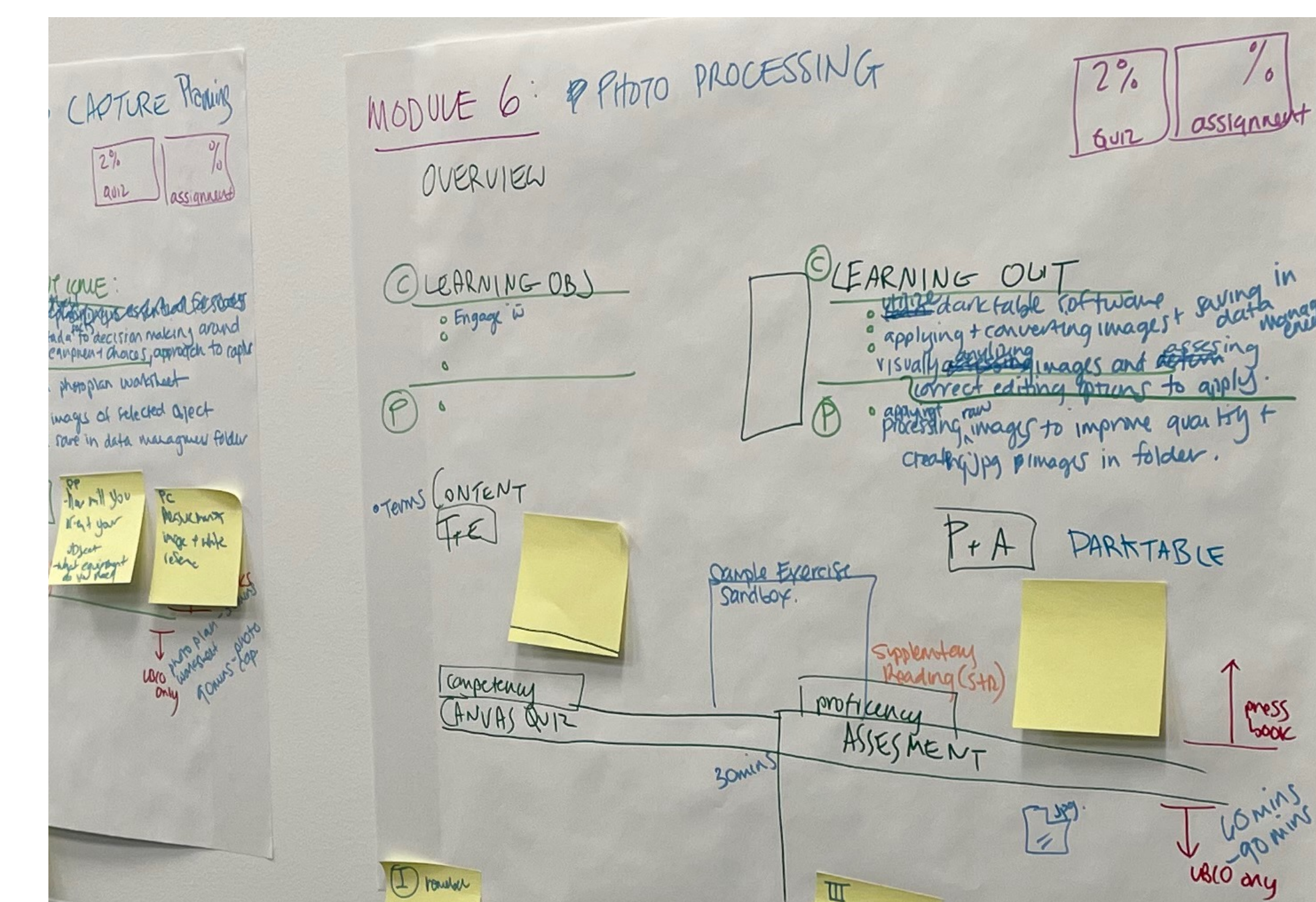- Develop connections between theory, ethics, and practice for visual and material objects.

Proficiency

- Undertake original projects in photogrammetry to create either a 3D model or a project in still and video images for a film/project that implement ethics and theory with practical skills.

4. The Collaborative Team

- ❖ Rachel Meneghetti, Undergraduate Researcher
- ❖ Suzi Asa, Graduate Researcher (PhD)
- ❖ Ahlam Bavi, CTL Learning Intern (PhD)
- ❖ Michelle Lamberson, Micro-Credential Advisor
- ❖ Donna Langille, Open Education + Press Books Advisor

5. Project Website

www.ce2lab.org/research#/visual-research-ethics-micro-credentials/

6. Working Bibliography

LaMagna, Michael. "Placing Digital Badges and Micro-Credentials in Context." Journal of Electronic Resources Librarianship 29, no. 4 (January 1, 2017): 206–10.

Selvaratnam, Ratna Malar, and Michael David Sankey. "An Integrative Literature Review of the Implementation of Micro-Credentials in Higher Education: Implications for Practice in Australasia." Journal of Teaching and Learning for Graduate Employability 12, no. 1 (January 1, 2021): 1–17.

Young, Danny, Richard E. West, and Travis Ann Nylin. "Value of Open Microcredentials to Earners and Issuers: A Case Study of National Instruments Open Badges." International Review of Research in Open + Distributed Learning 20, no. 5 (December 1, 2019): 104–21.

Zhang, Jiahui, and Richard E. West. "Designing Microlearning Instruction for Professional Development through a Competency Based Approach." TechTrends: Linking Research and Practice to Improve Learning 64, no. 2 (March 1, 2020): 310–18.

Acknowledgements

PROJECT MILESTONES IN YEAR 1 of Project (May 2022-April 2023)

A. Photogrammetry Planning

April-August 2022, we experimented with different process for photogrammetry to ensure a seamless experience for students to undertake technical process that would move them from competency to proficiency in object ethics and photogrammetry. Next, we worked through various software (Dark Table and Reality Capture) to craft efficient workflows for entry-level learners to create 3D models.

Three people sit looking at camera screens pointed at objects on turntables inside white coloured light boxes.

B. 3D Exhibition of Things

September-December, 2022, students enrolled in Anthropology 327: Things (W2 2022) engaged in pilot testing the first draft of the Material Object Ethics Micro-Credential that incorporated photogrammetry with the theory and ethics modules. Students earned proficiency in the creation of 3D models curated into an exhibition in a Unity project.

People stand in front of vsualization wall with 3D models on the screen for the class exhibition, EMBODIMENT | JEONG | 정 | EMPATHY | ATTACHMENT—A 3D Exhibition of Things

C. Re-Structuring the Modules

January-April 2023, based off student feedback from Anthropology 327: Things, we reorganized the modules to integrate ethics, object theory, and practice into each module. Now, each module now has its own learning outcomes that ensures foundational knowledge on object ethics is translated from competency to proficiency.

A white wall with poster-sized piece of paper taped to the wall. Hand writing with content for the module. Yellow Post-it Notes mark out which Learning Outcomes are met in each section.