

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.

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.



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.

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 visualization wall with 3D models on the screen for the class exhibition, EMBODIMENT | JEONG | 정 | EMPATHY | ATTACHMENT—A 3D Exhibition of Things



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.

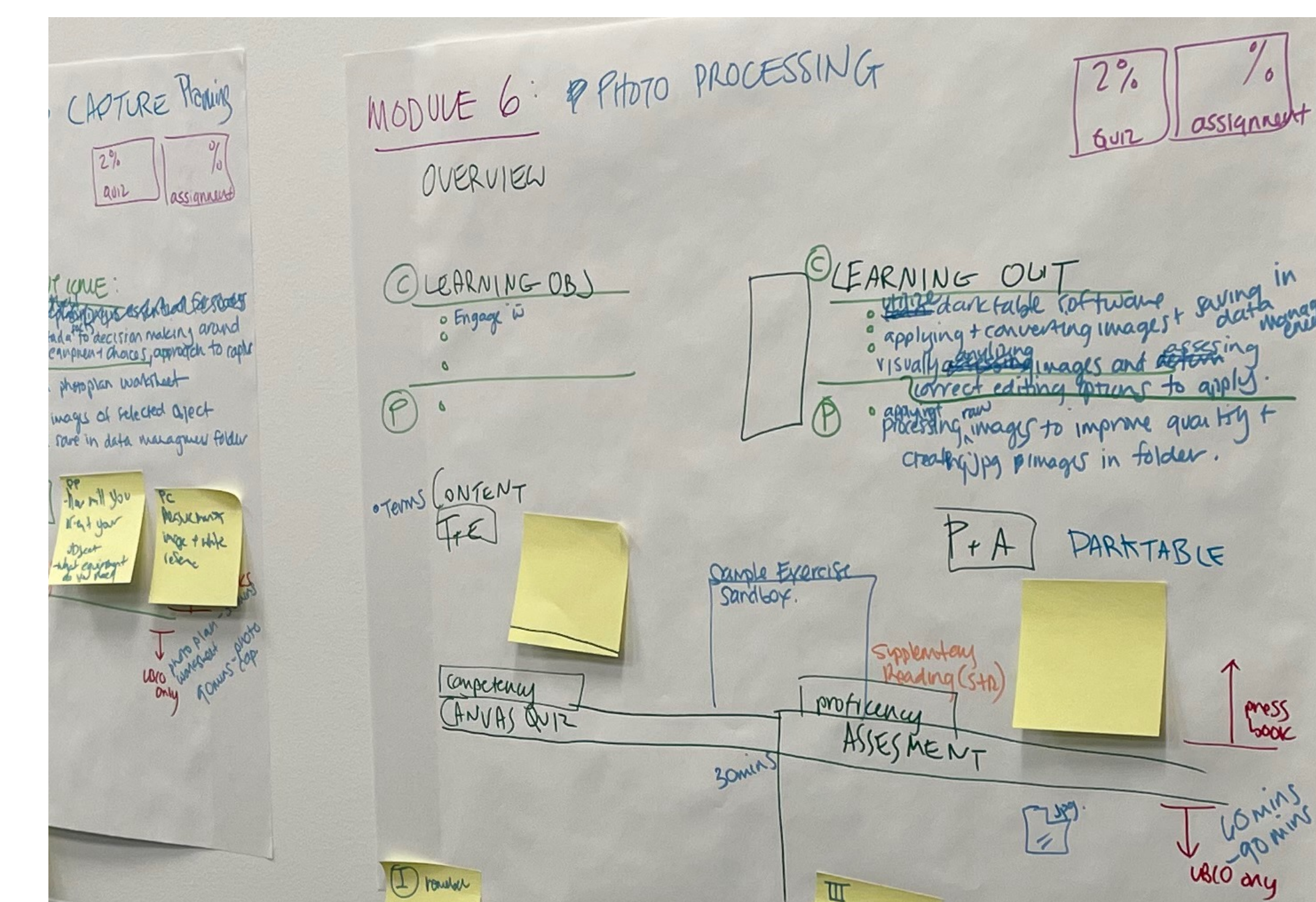
Proficiency

- 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.

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.



4. The Collaborative Team

- Rachel Meneghetti, Undergraduate Researcher
- Suzi Asa, Graduate Researcher (PhD)
- Ahlan 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

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Acknowledgements

Respectfully acknowledging that this project is taking place at UBCO on the unceded and ancestral territory of the Syilx people.

We gratefully acknowledge the financial support for this project provided by UBC Okanagan through the Aspire Learning and Teaching (ALT) Fund Awarded in the Program and Learning Experience Enhancement Stream.

Special thanks to Heather Berringer for support from the Constellation Event Award to support: EMBODIMENT | JEONG | 정 | EMPATHY | ATTACHMENT—A 3D Exhibition of Things on December 7, 2022 in the Visualization + Emerging Media studio.

This project would not be possible without the amazing students, Rachel, Suzi, and Ahlan, on this project, and the students that enrolled in ANTH 327 Things: Material Cultures in Everyday Life in Fall 2022 who engaged with the first pilot test of embedding the Material Objects Ethics Micro-Credential into the course.

Our deep gratitude to Donna Langille for working with us on the Open Education aspect of our project. And Michelle Lamberson for their mentorship on micro-credentials.

All images by Joel Thiessen and Fiona P. McDonald

