## **COSC 490L: Senior Design Project Laboratory (1 credit)**

Project-oriented lab to allow students to investigate similar solutions, gather data and requirements, complete required designs and prototypes of the project. *(Corequisite: COSC 490)*

**Course Learning Outcomes:**

By the end of the course, students will be able to:

A1. Apply prototyping techniques to produce innovative design solutions for real-world problems.

B1. Demonstrate advanced skills in prototyping, encompassing the creation of various prototypes for different design scenarios.

B2. Communicate and present prototypes effectively, demonstrating a clear understanding of the design intent.

C1. Engage in collaborative teamwork throughout the prototyping and design process.

**Course Learning Materials:**

* NA

**Course Content:**

1. Introduction to Capstone Project
2. Colours and foundational design elements
3. Visual Identity
4. Prototyping methods
5. Prototyping tools
6. Design challenges
7. Initial Prototyping
8. Interactive Prototype
9. Iterative process of refining prototypes
10. Testing and Feedback
11. Developing effective presentations and documentation