

COURSE OUTLINE		
<b>TERM: FALL 2023</b>	<b>COURSE NO: AHIS 340</b>	
<b>INSTRUCTOR:</b>	<b>COURSE TITLE: ART AND SCIENCE: CREATIVE COLLABORATIONS</b>	
<b>OFFICE:</b> <b>LOCAL:</b>	<b>SECTION NO(S):</b>	<b>CREDITS: 3.0</b>
<b>E-MAIL:</b>		
<b>OFFICE HOURS:</b>		
<b>COURSE WEBSITE: ELEARN</b>		

Capilano University acknowledges with respect the Lilwat7úl (Lil'wat), xʷmə̌ł̓ ʔkʷəyəm (Musqueam), shíshálh (Sechelt), Sk̓wx̓wú7mesh (Squamish), and Səlílwətaʔ/Selilwitulh (Tsleil-Waututh) people on whose territories our campuses are located.

#### **COURSE FORMAT**

Three hours of class time, plus an additional hour delivered through on-line or other activities for a 15-week semester, which includes two weeks for final exams.

#### **COURSE PREREQUISITES**

45 credits of 100-level or higher coursework

#### **CALENDAR DESCRIPTION**

Using case studies, this course explores alliances between the arts and sciences, both historical and contemporary. The two realms approach knowledge in similar and different ways, but they have always informed and influenced one another. When at their best and working together, they can identify and offer solutions to local and global problems. Creating intentional linkages between the arts and sciences facilitates a deeper understanding of how we interact with other people, creatures, and the world. This is a project-based course which relies on group collaboration.

#### **COURSE NOTE**

AHIS340 is an approved Culture and Creative Expression course for Cap Core requirements.

#### **REQUIRED TEXTS AND/OR RESOURCES**

Texts and articles chosen will vary depending on the instructor or instructors teaching the course. As an example, excerpts might be taken from:

Edwards, David. *Artscience: Creativity in the Post-Google Generation*. Harvard University Press, 2010.

Kemp, Martin. *Structural Intuitions: Seeing Shapes in Art and Science*. University of Virginia Press, 2016.

Strosberg, Elaine. *Art and Science*. 2<sup>nd</sup> ed. Abbeville Press, 2015.

Wilson, Stephen. *Art + Science Now*. Thames and Hudson, 2013.

**COURSE STUDENT LEARNING OUTCOMES**

**On successful completion of this course, students will be able to do the following:**

- Critically evaluate selected images/objects in relation to artistic and scientific innovations
- Articulate commonalities in ways of knowing between art and science
- Analyze the effectiveness of art and science collaborations
- Investigate the impact of art and science collaborations on local and global problems
- Collaborate on a project at the intersection of art and science

**Students who complete this Culture and Creative Expression course will be able to do the following:**

- Engage in creative processes including conception, investigation, execution, and ongoing critical analysis.
- Assess the interaction among cultural frameworks, people, and the natural environment.
- Explain or demonstrate the connection between various events, ideas, traditions, and belief systems and the modes in which they are artistically or culturally expressed.
- Interpret diverse forms of creative expression from different perspectives (e.g. artistic, historical, Indigenous, literary, scientific, philosophical).

**COURSE CONTENT**

This is sample course content, but the course would include a minimum of five to eight topics.

<b>Week One</b> Introduction
<b>Weeks Two to Three</b> Anatomical Knowledge
<b>Weeks Four to Five</b> Botanical and Specimen Exploration
<b>Week Six</b> Chemistry and the Development of Photography
<b>Week Seven</b> Industrialization and Early Cinema
<b>Weeks Eight to Nine</b> Geometry and Symbolism in Celtic Design Islamic Designs and Patterns
<b>Weeks Ten to Eleven</b> Robotics and Cybernetics Generative Art Bio Art
<b>Week Twelve</b> Environmentalism
<b>Week Thirteen</b> Forensic Science and Art Fraud
<b>Week Fourteen to Fifteen</b> Final Exam Period

## EVALUATION PROFILE

Progress with the learning outcomes are assessed using the following tools: three quizzes, a final project with multiple steps, and a presentation of the final project. Involvement in group discussion of the readings is also graded. This course is project-based with multiple steps, each of which counts toward the grade. Groups will be formed and students will choose from a list of topics or get instructor approval should they choose their own topic. There will be class presentations of the projects. There is no final exam in this course.

Quizzes	30-35%
Written Assignments	30-35%
Final Project	30-35%
Participation & Engagement	0-10%
Total	100%

### Assignments

The assignment structure for this course is determined by the instructor in accordance with the learning outcomes outlined above. Please refer to the course syllabus and eLearn site for a detailed breakdown.

### Written Assignments

This course will include a combination of short written assignments which may include drafts and an annotated bibliography for the final project.

### Quizzes

This course will include quizzes and tests. The format of quizzes will be determined by the instructor and may include a combination of true/false, multiple choice, short answer, matching, and essay questions.

### Final Project

The final project is an opportunity to learn by doing, will have a creative component, and will rely on group collaboration.

### Participation

Participation grades are based on the consistency, quality, and frequency of contributions to class discussions. Consistency means attending classes, maintaining a positive and respectful presence in the classroom, and actively contributing to discussions on a regular basis. Quality means demonstrating respect for peers and their contributions, listening attentively during lectures and when other students are speaking, and participating in all activities with an open and inquisitive mind.

### Presentations

This course may include a presentation component, which may be by an individual or group.

## GRADING PROFILE

A+ = 90-100	B+ = 77-79	C+ = 67-69	D = 50-59
A = 85-89	B = 73-76	C = 63-66	F = 0-49
A- = 80-84	B- = 70-72	C- = 60-62	

### Incomplete Grades

Grades of Incomplete “I” are assigned only in exceptional circumstances when a student requests extra time to complete their coursework. Such agreements are made only at the request of the student, who is responsible to determine from the instructor the outstanding requirements of the course.

### Late Assignments

Assignments are due at the beginning of the class on the due date listed. If you anticipate handing in an assignment late, please consult with your instructor beforehand.

### Missed Exams/Quizzes/Labs, etc.

Make-up exams, quizzes and/or tests are given at the discretion of the instructor. They are generally given only in medical emergencies or severe personal crises. Some missed labs or other activities may not be able to be accommodated. Please consult with your instructor.

### Attendance

Students are expected to attend all classes and associated activities.

### English Usage

Students are expected to proofread all written work for any grammatical, spelling and stylistic errors. Instructors may deduct marks for incorrect grammar and spelling in written assignments.

### Electronic Devices

Students may use electronic devices during class for note-taking only.

### On-line Communication

Outside of the classroom, instructors will (if necessary) communicate with students using either their official Capilano University email or eLearn; please check both regularly. Official communication between Capilano University and students is delivered to students’ Capilano University email addresses only.

## UNIVERSITY OPERATIONAL DETAILS

### Tools for Success

Many services are available to support student success for Capilano University students. A central navigation point for all services can be found at: <https://www.capilanou.ca/student-life/>

Capilano University Security: download the [CapU Mobile Safety App](#)

**Policy Statement (S2009-06)**

Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Academic Integrity, Academic Probation and other educational issues. These and other policies are available on the University website.

**Academic Integrity (S2017-05)**

Any instance of academic dishonesty or breach of the standards of academic integrity is serious and students will be held accountable for their actions, whether acting alone or in a group. See policy and procedures S2017-05 Academic Integrity for more information: <https://www.capilanou.ca/about-capu/governance/policies/>

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances, are prohibited and will be handled in accordance with the Student Academic Integrity Procedures.

**Academic dishonesty** is any act that breaches one or more of the principles of academic integrity. Acts of academic dishonesty may include but are not limited to the following types:

**Cheating:** Using or providing unauthorized aids, assistance or materials while preparing or completing assessments, or when completing practical work (in clinical, practicum, or lab settings), including but not limited to the following:

- Copying or attempting to copy the work of another during an assessment;
- Communicating work to another student during an examination;
- Using unauthorized aids, notes, or electronic devices or means during an examination;
- Unauthorized possession of an assessment or answer key; and/or,
- Submitting of a substantially similar assessment by two or more students, except in the case where such submission is specifically authorized by the instructor.

**Fraud:** Creation or use of falsified documents.

**Misuse or misrepresentation of sources:** Presenting source material in such a way as to distort its original purpose or implication(s); misattributing words, ideas, etc. to someone other than the original source; misrepresenting or manipulating research findings or data; and/or suppressing aspects of findings or data in order to present conclusions in a light other than the research, taken as a whole, would support.

**Plagiarism:** Presenting or submitting, as one's own work, the research, words, ideas, artistic imagery, arguments, calculations, illustrations, or diagrams of another person or persons without explicit or accurate citation or credit.

**Self-Plagiarism:** Submitting one's own work for credit in more than one course without the permission of the instructors, or re-submitting work, in whole or in part, for which credit has already been granted without permission of the instructors.

**Prohibited Conduct:** The following are examples of other conduct specifically prohibited:

- Taking unauthorized possession of the work of another student (for example, intercepting and removing such work from a photocopier or printer, or collecting the graded work of another student from a stack of papers);
- Falsifying one's own and/or other students' attendance in a course;
- Impersonating or allowing the impersonation of an individual;
- Modifying a graded assessment then submitting it for re-grading; or,
- Assisting or attempting to assist another person to commit any breach of academic integrity.

### **Sexual Violence and Misconduct**

All Members of the University Community have the right to work, teach and study in an environment that is free from all forms of sexual violence and misconduct. Policy B401 defines sexual assault as follows:

Sexual assault is any form of sexual contact that occurs without ongoing and freely given consent, including the threat of sexual contact without consent. Sexual assault can be committed by a stranger, someone known to the survivor or an intimate partner.

Safety and security at the University are a priority and any form of sexual violence and misconduct will not be tolerated or condoned. The University expects all Students and Members of the University Community to abide by all laws and University policies, including B.401 Sexual Violence and Misconduct Policy and B.401.1 Sexual Violence and Misconduct Procedure (found on Policy page <https://www.capilanou.ca/about-capu/governance/policies/>)

**Emergencies:** Students are expected to familiarise themselves with the emergency policies where appropriate and the emergency procedures posted on the wall of the classroom.