

<b>COURSE OUTLINE</b>			
<b>TERM: Spring 2019</b>		<b>COURSE NO: FYS 102</b>	
<b>INSTRUCTOR:</b>		<b>COURSE TITLE: Science and Technology</b>	
<b>OFFICE:</b>	<b>LOCAL:</b>	<b>SECTION NO(S):</b>	<b>CREDITS: 3.0</b>
<b>E-MAIL:</b>	@capilanou.ca		
<b>OFFICE HOURS:</b>			
<b>COURSE WEBSITE:</b>			

Capilano University acknowledges with respect the Lil'wat, Musqueam, Squamish, Sechelt, and 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 / CO-REQUISITES**

None

### **CALENDAR DESCRIPTION**

This course provides an introduction to academic and campus life by engaging students in inquiry, discussion, and dialogue of a range of intriguing topics. Each seminar focuses on a different topic and concentrates on developing critical thinking, group discussion and collaboration, research, and writing skills that help support students as they transition to post-secondary life. Topics will differ by section depending on faculty expertise and area of scholarship.

### **COURSE NOTE**

FYS 102 is a First-Year Seminar intended for students who have taken fewer than 30 credits.  
FYS 102 is an approved Science and Technology for Cap Core requirements.

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

Weekly readings will be available on the course website.

### **COURSE STUDENT LEARNING OUTCOMES**

On successful completion of this First-Year Seminar course, students will be able to do the following:

- Explain the implications and/or significance of material learned in the course.
- Discuss and defend ideas, including their own views, with clarity and reason.
- Interact effectively with faculty and peers to learn and to help others to learn.
- Use the skills, research, and knowledge learned in the class to solve new problems, answer questions or identify areas for further investigation.
- Communicate effectively through written, oral, and/or visual means.

Students who complete this Science and Technology course will be able to do four of the following:  
**(Instructor will select four that are relevant to the course offering)**

- Apply numerical and computational strategies to solve problems.
- Assess the cultural, economic, and political effects of technology.
- Assess the impacts of human activity on natural systems and articulate ways in which environmental sustainability may be achieved.
- Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).
- Demonstrate how a problem, concept, or process can be modelled numerically, graphically, or algorithmically.
- Explain how scientific inquiry is based on investigation of evidence and evolves based on new findings.
- Participate in scientific inquiry and communicate the elements of the process, including making careful and systematic observations, developing and testing a hypothesis, analyzing evidence, and interpreting results.

### COURSE CONTENT

Topics for this course will vary depending upon instructor's expertise, scholarly interest, and contemporary issues. Sample topics may include:

Exploring Digital Identities

The Mathematical Basis of Baseball

### EVALUATION PROFILE

Assignments *	25-50%
Presentations	10-25%
Collaborative Projects	10-25%
Final Project	20-30%
Attendance and Participation	10%
<b>Total</b>	<b>100%</b>

\* No one assignment will be worth more than 35%.

### 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	

### ASSIGNMENTS

#### Presentation

Students will present on at least one aspect of the course material.

#### Participation

Participation grades are based on the consistency, quality, and frequency of contributions to class discussions. Consistency means attending every class, maintaining a positive and respectful presence in the classroom, and actively contributing to discussions on a regular basis. Quality means

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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.

**Final Project**

The final project will allow the student to synthesize some of the key terms, concepts, and information from the course, and to apply those elements in new ways. The project may be presented in the form of an e-portfolio.

**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**

Attendance is a required component of a First Year Seminar and is included in the evaluation profile.

**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 and relevant research activities only.

**On-line Communication**

Outside of the classroom, instructors will (if necessary) communicate with students using either their official Capilano University email or course website; 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 S2017-05 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:

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- 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.