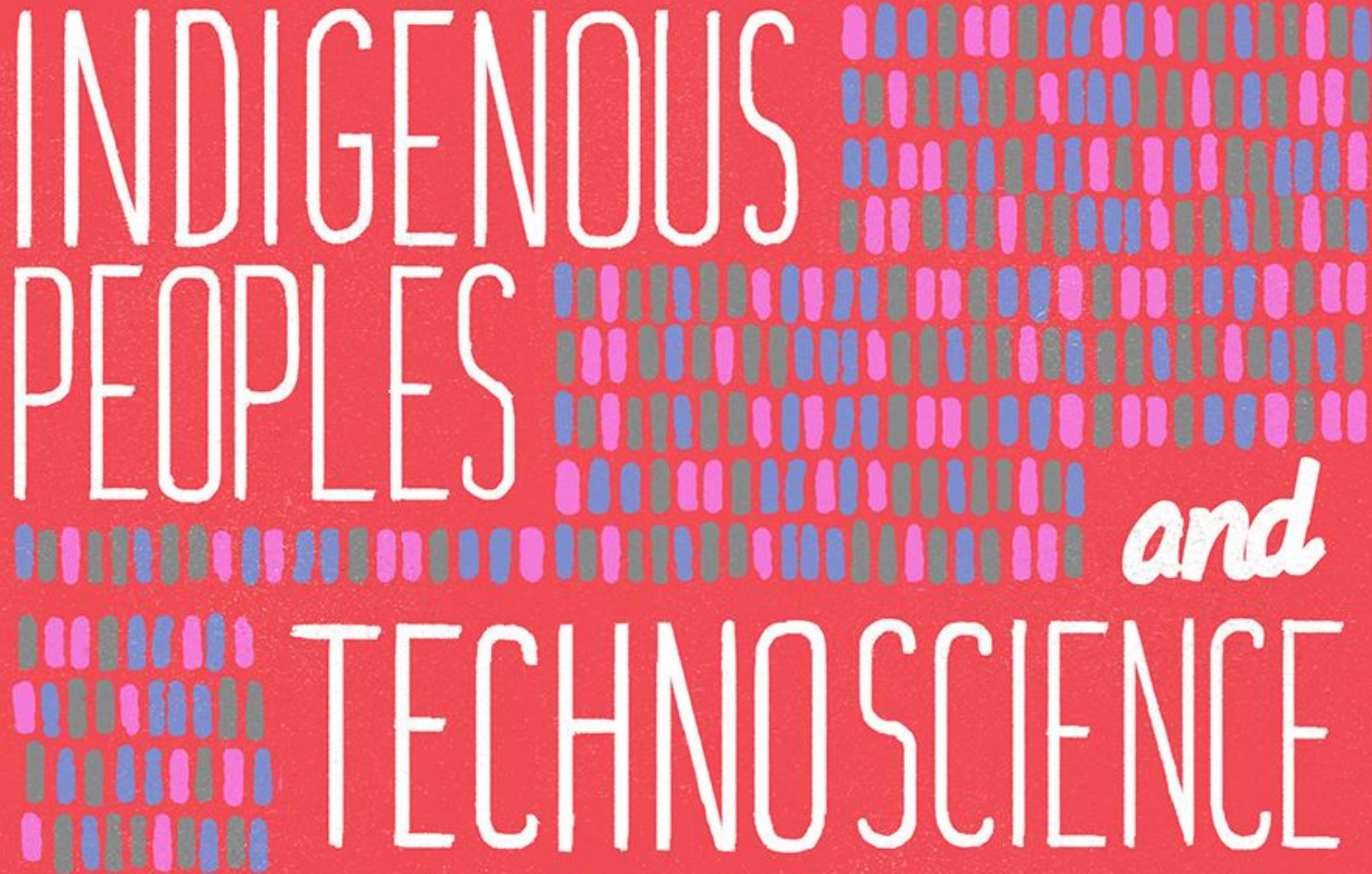


NS 115

INDIGENOUS  
PEOPLES *and*  
TECHNOSCIENCE



[www.ualberta.ca/native-studies](http://www.ualberta.ca/native-studies)

 UNIVERSITY OF ALBERTA  
FACULTY OF NATIVE STUDIES

 INDIGENOUS  
science | technology | society

**Co-created by:**

[Dr. Kim TallBear](#)

[Dr. Jessica Kolopenuk](#)



- This course introduces students to the long and complicated relationships between science and technology fields, broader dynamics of colonialism, and increasing demands for Indigenous governance of the sciences and technologies that affect them.
- delivered online (asynchronous)
- includes media that is created by Native Studies professors, external media, online readings, three multiple choice exams
  - no textbook purchases required

# Course Objectives

Students who successfully complete this course will be able to:

- Explain the historical and contemporary connections between science and technology and the dynamics of colonialism.
- Deconstruct commonly held conceptions of what science is (e.g. always neutral, apolitical, and “for the good of all”) and how it came to be understood in colonial societies.
- Describe the roles science plays and the responsibilities it has to societies and environments, particularly those relating to Indigenous peoples.
- Analyze historical and contemporary relationships between Indigenous people and science and technology.
- Forecast how Indigenous-driven approaches to science and technology projects can strengthen and extend Indigenous governance and self-determination.



# Course Outline

Week 1	Welcome to the Course & Intro to Science and Colonialism
Week 2	Objects/Subjects: Indigenous Peoples and Experimentation
Week 3	Objects/Subjects: Plants and Colonialism
Week 4	Objects/Subjects - Research Ethics
Week 5	DNA, Race and Colonialism
Week 6	Collaborators - Indigenous Research Guidelines & Data Sovereignty
Week 7	Indigenous Archaeology and Caring for Relations Through Technology

# Course Outline

Week 8	Collaborators - Governance through Sustainable Tech Development
Week 9	Collaborators - Canoe Relations, Indigenous Navigation, and Governance
Week 10	Indigenous Peoples as Scientists - Becoming Scientists
Week 11	Scientists (in Relation) - Indigenous Star Knowledge, AI, Chronic Wasting Disease (CWD) and Making Relations Between Humans, Nonhumans, and Multiple Knowledges
Week 12	Scientists - Towards Indigenous Science, Technology, and Society (Indigenous STS)
Week 13	Scientists - Indigenous STS: Indigenous Peoples and Pandemics

## Pathways to register:

- [Beartracks](#) for UA undergraduate students
- [Open Studies](#) for university credit
- Continuing education - learn more [here](#)

Contact [nsonline@ualberta.ca](mailto:nsonline@ualberta.ca) for more information

