Science and Technology Studies (STS)

Courses

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STS C100 Introduction to Science, Technology, and Society 4 Units
Terms offered: Fall 2024, Fall 2023, Fall 2022, Spring 2016, Spring 2015
This course provides an overview of the field of Science and Technology Studies (STS) as a way to study how our knowledge and technology shape and are shaped by social, political, historical, economic, and other factors. We will learn key concepts of the field (e.g., how technologies are understood and used differently in different communities) and apply them to a wide range of topics, including geography, history, environmental and information science, and others. Questions this course will address include: how are scientific facts constructed? How are values embedded in technical systems?

Hours & Format
Fall and/or spring: 15 weeks - 3 hours of lecture and 1.5 hours of discussion per week
Summer:
6 weeks - 7.5 hours of lecture and 3.5 hours of discussion per week
8 weeks - 6 hours of lecture and 3 hours of discussion per week

Additional Details
Subject/Course Level: Science and Technology Studies/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructors: Mazzotti, Winickoff
Also listed as: HISTORY C182C/ISF C100G
Introduction to Science, Technology, and Society: Read More [+]

Human Contexts and Ethics of Data - DATA/History/STS 4 Units
This course teaches you to use the tools of applied historical thinking and Science, Technology, and Society (STS) to recognize, analyze, and shape the human contexts and ethics of data. It addresses key topics such as doing ethical data science amid shifting definitions of human subjects, consent, and privacy; the changing relationship between data, democracy, and law; the role of data analytics in how corporations and governments provide public goods such as health and security to citizens; sensors, machine learning and artificial intelligence and changing landscapes of labor, industry, and city life. It prepares you to engage as a knowledgeable and responsible citizen and professional in the varied arenas of our datafied world.

Hours & Format
Fall and/or spring: 15 weeks - 3-3 hours of lecture and 0-1.5 hours of discussion per week
Summer:
6 weeks - 7.5-7.5 hours of lecture and 0-3.5 hours of discussion per week
8 weeks - 6-6 hours of lecture and 0-3 hours of discussion per week

Credit Restrictions: Students will receive no credit for DATA C104/HISTORY C184D/STS C104D after completing DATA 104. A deficient grade in DATA C104/HISTORY C184D/STS C104D may be removed by taking DATA 104.

Additional Details
Subject/Course Level: Science and Technology Studies/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Formerly known as: History C184D/Science and Technology Studies C104D
Also listed as: DATA C104/HISTORY C184D

Human Contexts and Ethics of Data - DATA/History/STS: Read Less [-]
**STS C200 Topics in Science and Technology Studies 3 Units**
Terms offered: Fall 2024, Fall 2023, Fall 2022, Fall 2021, Fall 2014, Fall 2013
This course provides a strong foundation for graduate work in STS, a multidisciplinary field with a signature capacity to rethink the relationship among science, technology, and political and social life. From climate change to population genomics, access to medicines and the impact of new media, the problems of our time are simultaneously scientific and social, technological and political, ethical and economic.

**Rules & Requirements**
Repeat rules: Course may be repeated for credit without restriction.

**Hours & Format**
Fall and/or spring: 15 weeks - 3 hours of seminar per week

**Additional Details**
Subject/Course Level: Science and Technology Studies/Graduate
Grading: Letter grade.
Also listed as: ANTHRO C254/ESPM C252/HISTORY C250

**Topics in Science and Technology Studies: Read More [+]**

**STS C250 Science and Technology Studies Research Seminar 3 Units**
Terms offered: Spring 2024, Spring 2023, Fall 2022, Spring 2017, Spring 2016, Spring 2015
This course will cover methods and approaches for students considering professionalizing in the field of STS, including a chance for students to workshop written work.

**Rules & Requirements**
Repeat rules: Course may be repeated for credit without restriction.

**Hours & Format**
Fall and/or spring: 15 weeks - 3 hours of seminar per week

**Additional Details**
Subject/Course Level: Science and Technology Studies/Graduate
Grading: Offered for satisfactory/unsatisfactory grade only.
Also listed as: ANTHRO C273/ESPM C273/HISTORY C251

**Science and Technology Studies Research Seminar: Read Less [-]**

**STS C204 Human Contexts and Ethics of Data 4 Units**
Terms offered: Spring 2024
This course teaches you to use approaches from the across the humanities and interpretive social sciences and tools of Science, Technology, and Society (STS) to recognize, analyze, and shape the human contexts, social implications, and ethics of data and data technologies, including data analytics, algorithmic decision systems, machine learning (ML), and artificial intelligence (AI).

**Rules & Requirements**
Prerequisites: Graduate standing or permission of the instructor. Graduate students without previous (undergraduate or graduate-level) preparation in the interpretive social sciences or humanities are encouraged to confer with the instructor before enrolling.

**Hours & Format**
Fall and/or spring: 15 weeks - 2 hours of seminar per week

**Additional Details**
Subject/Course Level: Science and Technology Studies/Graduate
Grading: Letter grade.
Instructor: Carson
Also listed as: DATA C204

**Human Contexts and Ethics of Data: Read Less [-]**