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?
Introduction to Science, Technology, and Society: Read More [+]

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 Less [-]

STS C104D Human Contexts and Ethics of Data - DATA/History/STS 4 Units

Terms offered: Fall 2024, Summer 2024 8 Week Session, Spring 2024, Spring 2022, Fall 2020, Spring 2020
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.
Human Contexts and Ethics of Data - DATA/History/STS: Read More [+]

Rules & Requirements

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.

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

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 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.
Topics in Science and Technology Studies: Read More [+]
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 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).
Human Contexts and Ethics of Data: Read More [+]
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/HISTORY C254

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

STS C250 Science and Technology Studies Research Seminar 3 Units

Terms offered: Spring 2024, Spring 2023, Fall 2022, Spring 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.
Science and Technology Studies Research Seminar: Read More [+]
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 [-]