

Science and Technology Studies (STS)

Courses

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STS C100 Introduction to Science, Technology, and Society 4 Units

Terms offered: Fall 2018, Spring 2018, 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: Spring 2022, Fall 2021, Spring 2021, 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 2021, Fall 2020, Fall 2019, 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 C250 Science and Technology Studies Research Seminar 3 Units

Terms offered: Spring 2022, Fall 2021, Spring 2021, Spring 2020, 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 [-]