

Semester	JAN 2023
Open to semester	2
Course code	HS1223
Course title	Science and Society
Credits	3 /
Course Coordinator & participating faculty (if any)	Pushkar Sohoni
Nature of Course	Lectures
Pre-requisites	None.
Objectives (goals, type of students for whom useful, outcome etc)	This course is based on the notion that science is not an isolated but a social activity, and as such, is both influenced by and influences society in different ways and to different degrees. The course aims to introduce students to ways of thinking that expand their understanding of science and help them to think about their own place as scientists in a more socially informed discourse.
Course contents (details of topics /sections with no. of lectures for each)	<p>What is Science; Attributes of Scientific Research; Terminology of Science; Types of Reasoning; Modern science; A brief history of Science; Verifiability and Falsifiability; Thomas Kuhn and paradigm shift; Indian Science (case study: planetary sciences); Colonialism and Science: Botanical Gardens and Economic Botany; Economic Zoology; Women and Science: Biographies of women scientists</p> <p>Presentation and Representation: Icon-Index-Symbol; Religion and Science; Witchcraft, religion, beliefs; Science and Ethics ; Cinema and Science; Science Fiction: Text and Cinema; Cartography and Calendars; Medicine: Science and Beyond; Pseudo-science;</p> <p>Anthropocene: Climate Change and the World</p>
Evaluation /assessment	<p>End-Sem Examination-50%</p> <p>Mid-Sem Examination-50%</p> <p>Others-%</p>
Suggested readings (with full list of authors, publisher, year, edn etc.)	<p>Videos, short texts, and essays will be provided with each module.</p> <p>These are some standard texts used for the course:</p> <p>Samir Okasha, Philosophy of Science, Chapter 1</p>

	<p>Einstein and Infeld, “Physics and Reality”•</p> <p>George Basalla, “The Spread of Western Science”•</p> <p>Jim Endersby, “How Botanical Gardens Helped to Establish the British Empire”•</p> <p>Brian Shoesmith, “From Monopoly to Commodity: The Bombay Studios in the 1930s”•</p> <p>On Thomas Kuhn: https://www.theguardian.com/science/2012/aug/19/thomas-kuhn-structure-scientific-revolutions</p>
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