

Course number	U-LAS00 10021 LE34					
Course title (and course title in English)	History of Modern Science-E2 History of Modern Science-E2		Instructor's name, job title, and department of affiliation	Graduate School of Asian and African Area Studies Professor,D'SOUZA, Rohan Ignatious		
Group	Humanities and Social Sciences		Field(Classification)	Philosophy(Foundations)		
Language of instruction	English		Old group	Group A	Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025 • First semester
Days and periods	Tue.3	Target year	All students		Eligible students	For all majors
[Overview and purpose of the course]						
<p>Broadly, in part one [semester: April-September], the course will introduce students to some of the main historiographical debates about the origins and defining features of modern science.</p> <p>The central effort here is to familiarise students both at the level of the biographical details of the main thinkers and the significant ideas that comprise our current understandings and assessments about what constitutes modern science.</p>						
[Course objectives]						
<p>By rehearsing some of the significant historiographical and philosophical debates and discussions on the theme of modern science, this course aims to develop an interdisciplinary ability. The attempt to problematize the “ hard sciences ” through social science questions and theories will help prepare students to take up innovative and important research projects and also helps them think through the centrality of modern science in their everyday lives.</p>						
[Course schedule and contents)]						
<p>Each class will comprise a 90 minute session; involving a lecture of 60 minutes and followed by a 30 minute interactive discussion in which student participation will also be elicited through either group or individual presentations.</p> <p>Four themes will be covered in this class and each theme will be covered in three to four weeks.</p> <p>a) Plato's (429?-347 B.C.E.) Forms and Aristotle's (384-322 B.C.E.) Empiricism</p> <p>b) The Scientific Revolution</p> <p>c) Colonial Science</p> <p>d) Scientific Nationalism</p>						
[Course requirements]						
None						
<div style="text-align: right;">Continue to History of Modern Science-E2(2)</div>						

History of Modern Science-E2(2)

[Evaluation methods and policy]

There will be a regular cycle of written submissions and feedback through class discussions and teacher evaluations. The idea is to develop a credible capacity for reading and writing amongst those who take up the course.

Evaluations will be based on class presentations, writing assignments and a tutorial.

Details are explained during class.

[Textbooks]

Not used

[References, etc.]

(References, etc.)

Steven Shapin 『The Scientific Revolution』 (University of Chicago Press 1996) ISBN:978-0226750217

Margaret J. Osler 『Reconfiguring the World: Nature, God and Human Understanding from the Middle Ages to Early Modern Europe』 (The John Hopkins Press: Baltimore 2010) ISBN:978-0801896569

Alfred North Whitehead 『Science and the Modern World』 (The Free Press: New York 1967 [1925]) ISBN: 978-0684836393

Deepak Kumar 『Science and the Raj : a study of British India』 (Oxford University Press; New Delhi 2006 (2nd edition) [1995]) ISBN: 978-0195680034

Hiromi Mizuno 『Science for the Empire: Scientific Nationalism in Modern Japan』 (Stanford University Press: Stanford 2008) ISBN:978-0804776561

(Related URL)

(Relevant sections and chapters from the above books will be assigned as readings for the course. Other reading materials such as articles or short write-ups may be included based on class discussions and interest.)

[Study outside of class (preparation and review)]

Students will be expected to have read at least five pages of pre-assigned reading, at the very minimum, before attending each class.

[Other information (office hours, etc.)]

Students can meet me during office hours with prior appointment.

[Essential courses]