科目ナンバリング	U-LAS00 10021 LE34						
授業科目名 <英訳>	History of Modern Science-E2 History of Modern Science-E2			担当者所属 職名・氏名	アジア・アフリカ地域研究研究科 教授	D'SOUZA, Rohan Ignatious	
群	人文・社会科学科目群	分野(分類)	哲学・思想(基礎)		使用言語	英語	
旧群	A群	単位数	2単位	週コマ数	1コマ	授業形態	講義（対面授業科目）
開講年度・開講期	2026・前期	曜時限	火3	配当学年	全回生	対象学生	全学向

[授業の概要・目的]

Broadly, in part one [semester: April-September], the course will introduce students to some of the main ‘historiographical debates’ that have shaped our understanding of modern science. In the standard narrative, the period between the discoveries of Galileo Galilei (1564-1642) and the mathematical formulations of Isaac Newton (1642-1726/27) has generally been considered to have inaugurated the scientific revolution. This course, however, will aim to view the same period as actually marked by an equally important shift that defined modern science: heralding the end of Aristotelianism and the re-emergence of Platonism.

[到達目標]

By introducing students to some of the historiographical debates on the origins and defining features of what constitutes modern science, this course aims to achieve three main goals: a) a basic introductory understanding of some of the main ideas of the leading thinkers on modern science; b) a biographical sketch of the natural philosophers of the period leading up to the ‘Scientific Revolution’ and c) how history as a disciplinary field debates modern science as a distinct historical moment.

[授業計画と内容]

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.
Four themes will be covered in this class and each theme will be covered in three to four weeks.(Total : 14 classes and one feedback)
a) Plato's (429?-347 B.C.E.) and Aristotle's (384-322 B.C.E.)
b) From Geocentricism to Heliocentrism
c) Mechanical Philosophy to the Newtonian World View
d) The Scientific Revolution

[履修要件]

特になし

[成績評価の方法・観点]

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

Evaluations will be based on two tutorial assignments, which will carry a 50% grade for each.

[教科書]

使用しない

[参考書等]

（参考書）
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

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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

（関連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.)

[授業外学修（予習・復習）等]

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

[その他（オフィスアワー等）]

Students can meet me during office hours with prior appointment.

[主要授業科目（学部・学科名）]