

**Philosophy of Science I**  
(Year 2022-2023)

Lecturer: Jon Umerez

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Office hours: Tuesday 11:00-12:00, Wednesday 09:00-11:00 (office 1B5).

	Date	Hours	Lecture	Reading material
Week 1			Course presentation	Text 1: Kosso 1
			Reading seminar	Kosso 2
Week 2			<b>Intro to Phil of Sci / Theories</b>	
			Reading seminar	Godfrey-Smith / Kosso 3
Week 3			<b>Vienna Circle</b>	
			Reading seminar	Schlick
Week 4			<b>Logical Positivism</b>	
			Reading seminar	Carnap
Week 5			<b>“Received view”</b>	
			Reading seminar	Hempel (or t.b.a.)
				<b>(1st essay due)</b>
Week 6			<b>Popper falsationism</b>	
			Reading seminar	Popper
Week 7			<b>Kuhn: normal science</b>	
			Reading seminar	Kuhn 1
Week 8			<b>Kuhn: scientific revolut</b>	
			Reading seminar	Kuhn 2
Week 9			<b>Lakatos (research programs) &amp; Laudan (research traditions)</b>	
			Reading seminar	Lakatos - Laudan
Week 10			<b>Feyerabend (meth. anarchism)</b>	
			Reading seminar	Feyerabend
				<b>(2nd essay due)</b>
Week 11			<b>Sociology of Science -old</b>	
			Reading seminar	Merton
Week 12			<b>Sociology of Science-new</b>	
			Reading seminar	t.b.a.
Week 13			---	---
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Week 14			<b>Feminist phil. of science</b>	
			Reading seminar	E.F. Keller
Week 15			<b>Science Studies &amp; Science wars</b>	
			Reading seminar	Sokal/Ross/ Blackburn
				<b>(3rd essay due)</b>

## EVALUATION

Essay 1: 10%  
Essay 2: 10 %  
Essay 3: 15 %  
Exam: 50%  
Assistance and classroom participation: 15%

Note: It is mandatory to deliver all the essays in order to be evaluated.

**SPECIAL NOTE 2022/23:** The evaluation criteria stipulated in this course guide, as well as the teaching modalities, might be modified in the event that a hypothetical public health crisis caused some measure of confinement or similar (in that event see eGela).

## BIBLIOGRAPHY

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- Chalmers, A. (2001) *What is this thing called Science? An assessment of the nature and status of science and its methods* (3rd ed.). London: Open University Press.
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- Díez, J.A., Moulines, C.U., (1997) *Fundamentos de Filosofía de la Ciencia*, Barcelona: Ariel.
- Echeverria, J. (1995) *Introducción a la metodología de la ciencia*, Cátedra
- \*\*\* **Godfrey-Smith, P. (2003): *Theory and Reality. An introduction to the philosophy of Science*. Chicago: The Chicago University Press** (used as textbook).  
(just published second edition, July 2021, some changes)
- Kosso, Peter (1992) *Reading the Book of Nature. An Introduction to the Philosophy of Science*. Cambridge: Cambridge University Press.
- Kosso, Peter (2011) *A Summary of Scientific Method*. Dordrecht Springer
- Newton-Smith, W.H. (ed.) (2000) *A Companion to the Philosophy of Science*. Oxford: Blackwell.
- Okasha, S. (2002): *Philosophy of Science. A very short introduction*. Oxford: Oxford University Pres.
- Oreskes, Naomi (2019) *Why Trust Science*. Princeton University Press.
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