



COURSE GUIDE

Methodological and Social Aspects of Current Research

Luis Manuel Sanmartín Cava

**Philosophy Degree
4th Year**

Course 2020-2021

Methodological and Social Aspects of Current Research

Preliminary remarks:

The teaching on this course is online. As specified in the Methodology section of this guide, it is interactive e-learning that is undertaken using audiovisual resources.

1.- COURSE DETAILS

Course Name	Methodological and Social Aspects of Current Research
ECTS Credits	6
Type of Learning	Compulsory
Calendar	First Semester
Module Name	Philosophy of Science
Course Requirements	None
Lecturer	Dr. Luis Manuel Sanmartín Cava (PhD) (lm.sanmartin@ucv.es)

2.- BRIEF DESCRIPTION OF COURSE CONTENTS

This course addresses practical, social and ethical aspects of current research in both the natural sciences and the social sciences. The objectives of the subject are summarized as follows:

1. Introduction to the philosophy of technology.
2. Reflections around the scientific method.
3. Debate on the practical, social and ethical implications of new technological advances.
4. Repercussions for the human being, for the environment and for the society.

3.- COURSE PROGRAM AND CALENDAR

Unit 1. The academic essay. 1.1. Academic writing. 1.2. Planning and academic presentations.	September
Unit 2. The scientific method from the philosophical standpoint. 2.1. About science.	September

<p>2.2. Research in the natural sciences.</p> <p>2.3. The method in the Social Sciences.</p> <p>Unit 3. The philosophy of technology.</p> <p>3.1. Technical philosophy.</p> <p>3.2. Science, technology and society.</p> <p>3.3. Bioethics: eugenics & euthanasia.</p> <p>Unit 4. Practical, social and ethical aspects of current research</p> <p>4.1 Pandemics management.</p> <p>4.2 Transhumanism & human improvement.</p> <p>4.3 Environmental sustainability.</p> <p>4.4 Dilemmas of the Social Sciences fieldwork.</p> <p>4.5 Technocracy, Democracy & citizen participation.</p> <p>4.6 Surveillance technologies & Big Data.</p> <p>Final assessment.</p>	<p>October</p> <p>November/December</p> <p>January/February</p>
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4.- REFERENCES

4.1 Basic Bibliography

Reference b1:	Dynamic text for the course produced by the lecturer Luis Sanmartín.
Reference b2:	Bunge, M. (2012). <i>La ciencia, su método, su filosofía</i> . Buenos Aires: Laetoli.
Reference b3:	Diéguez Lucena, A. (2017). <i>Transhumanismo</i> . Barcelona: Herder

Reference b4:	Foucault, M. (2003) <i>Vigilar y castigar</i> . Buenos Aires: Siglo XXI.
Reference b5:	García Palacios, E. M., et al (2001). <i>Ciencia tecnología y sociedad: una aproximación conceptual</i> . Madrid: OEI.
Reference b6:	Gutiérrez Lombardo, R. y Sanmartín Esplugues, J., eds., (2014). <i>La filosofía desde la ciencia</i> . México: Centro de Estudios Filosóficos, Políticos y Sociales Vicente Lombardo Toledano.
Reference b7:	Han, BC. (2014). <i>Psicopolítica: neoliberalismo y nuevas técnicas de poder</i> . Madrid: Herder.
Reference b8:	Hempel, C. G. (2001). <i>Filosofía de la ciencia natural</i> . Madrid: Alianza Editorial.
Reference b9:	López, J. A. (2007). Democracia en la frontera. <i>Revista Iberoamericana de Ciencia, Tecnología y Sociedad</i> , vol. 3 nº 8, pp. 127-142.
Reference b10:	Martí, J. L. (2008). Alguna precisión sobre las nuevas tecnologías y la democracia deliberativa y participativa. <i>Revista de Internet, Derecho y Política</i> , nº 6, pp. 3-12.
Reference b11:	Medina, M. y Sanmartín Esplugues, J. (1990). <i>Ciencia, tecnología y sociedad. Estudios interdisciplinarios en la Universidad, en la educación y en la gestión pública</i> . Barcelona: Anthropos.
Reference b12:	Olmo, M. (2010) <i>Dilemas éticos en antropología. Las entretelas del trabajo etnográfico</i> . Madrid: Trotta.
Reference b13:	Ortega y Gasset, J. (2015). <i>Meditación de la técnica</i> . Madrid: Biblioteca Nueva.
Reference b14:	Sanmartín Esplugues, J. (2013). <i>El exceso de excluir la razón. Reflexiones para una historia de la filosofía de la ciencia</i> . México: Centro de Estudios Filosóficos, Políticos y Sociales Vicente Lombardo Toledano.
Reference b15:	Sanmartín Esplugues, J. (2017). <i>Técnica y ser humano</i> . México: Centro de Estudios Filosóficos, Políticos y Sociales Vicente Lombardo Toledano.

4.2. Complementary bibliography

Reference c1:	Baró, T. (2011). <i>Saber decir: recetas para hacer buenas presentaciones en público</i> . Barcelona: El Serbal.
Reference c2:	Cassany, D. (1995). <i>La cocina de la escritura</i> . Barcelona: Anagrama.
Reference c3:	Chalmers, A. F. (1982). <i>¿Qué es esa cosa llamada ciencia?</i> Madrid: Siglo veintiuno de España Editores.

Reference c4:	Deleuze, G. (1991). "Posdata sobre las sociedades de control." En Christian Ferrer (comp.), <i>Revista de Teoría del Arte</i> , nº 14/15, pp. 183-189.
Reference c5:	Diéguez, A. (2020). <i>Filosofía de la Ciencia. Ciencia, racionalidad y realidad</i> . Universidad de Málaga.
Reference c6:	Domingo, A. (2018). <i>Ética de la investigación</i> . Barcelona: Herder.
Reference c7:	Graeber, D. (2015). <i>La utopía de las normas: de la tecnología, la estupidez y los secretos placeres de la burocracia</i> . Madrid: Ariel.
Reference c8:	Hidalgo-Capitán, A. L. (2012). <i>El ensayo académico</i> . Huelva: Universidad de Huelva.
Reference c9:	Horkheimer, M. (1973). <i>Crítica de la razón instrumental</i> . Buenos Aires: Editorial Sur.
Reference c10:	Mitcham, C. (1989). <i>¿Qué es la filosofía de la tecnología?</i> Barcelona: Anthropos.
Reference c11:	Popper, K. (1997): <i>El mito del marco común. En defensa de la racionalidad y la ciencia</i> . Barcelona: Paidós.
Reference c12:	Quintanilla, M. G. (2017). <i>Tecnología: un enfoque filosóficos y otros ensayos de filosofía de la tecnología</i> . México DF: Fondo de Cultura Económica.
Reference c13:	Sanmartín Esplugues, J. (1987). <i>Los nuevos redentores</i> . Barcelona: Anthropos.
Reference c14:	Sanmartín Esplugues, J. (1990). <i>Tecnología y futuro humano</i> . Barcelona: Anthropos.
Reference c15:	Sanmartín Esplugues, J. et al (1992). <i>Estudios sobre sociedad y tecnología</i> . Barcelona: Anthropos.
Reference c16:	Weber, M. (1979). <i>El político y el científico</i> . Madrid: Alianza Editorial.

5. METHODOLOGY

This subject corresponds to 6 ECTS credits, which is equivalent to 150 hours of student's work. That total amount of hours is distributed into 60 hours of teaching (2.4 ECTS) and 90 hours of student's self-study (3.6 ECTS). In this subject, the teaching process (2.4 ECTS) is based on the following teaching-learning methodology:

- 1) A dynamic text, designed by the professor.
- 2) Videoconference, through which theory lessons are given as well as guided tasks (training tasks, text analysis, seminars, etc.) and collective tutorials. Videoconferencing must be always interactive and these sessions last 90 minutes.
- 3) Attending Webinars organised by the faculty and the head of the Department.

- 4) Video-lessons about the most relevant topics for the subject.
- 5) Telematic activities through UCVnet platform (such as taking part in debate forums, solving practical questionnaires etc.), with the lecturer's intervention to correct and provide some guidance to students.
- 6) Assessment tests.

Student's self-study (3.6 ECTS) is distributed in different activities:

- Asincronic re-view of the videoconferences.
- Preparing theory and practical lessons (flipped classroom).
- Course assignments.
- Studying and preparing the final assessment test

6.- COMPETENCIES TO BE ACQUIRED BY THE STUDENT

(The figures refer to the officially approved (by ANECA) list of competencies of this Online Degree in Philosophy)

GENERAL COMPETENCIES [GC]

- 1 Organization and planning.
- 3 Problem resolution.
- 6 Intra- and interdisciplinary team work.
- 7 Ability to communicate with non-experts.
- 9 Ethical commitment.
- 10 Ability to apply knowledge to practice.
- 11 Ability to learn and teach.
- 12 Ability to adapt to new situations and generate new ideas.

SPECIFIC COMPETENCIES [SC]

- 17 To be able to pose philosophical questions.
- 18 To be able to relate different philosophical topics.

23 To write philosophical essays and show evidence of analytical and synthetic skills.

25 To be able to understand and evaluate philosophical arguments.

26 To be able to construct philosophical arguments.

35 To be able to interpret texts from different eras or cultural traditions, relating to others in the same or different times.

37 To use specialized philosophical terminology and recognize categorical errors.

7.- LEARNING OUTCOMES

RA₁ To distinguish between science and pseudoscience. [GC 1, 2, 11 and SC 18, 25, 36, 37]

RA₂ To reproduce arguments used in scientific fields. [CG3, CG9, CG12, CE23, CE25, CE26]

RA₃ To understand the relationship of the philosophy of science with other branches of philosophy. [CG6, CG9, CG12, CE17, CE23, CE26]

RA₄ To value the importance of linking science and consciousness. [CG6, CG7, CG9, CE23, C26]

RA₅ To recognize the ways in which science, economics, society, politics and religion can interact with each other. [CG6, CG7, CG10, CG11, CG12, CE24, CE25, CE26, CE35]

8.- ASSESSMENT

The final grade for the course will cover the following items:

- 1) Attendance and participation in synchronic sessions: 10%
- 2) Submission of requested assignments: 40%
- 3) Periodic evaluations through questionnaire: 10%
- 4) Final assessment: 40%