



蘇州大學
Soochow University

PHL 230 Human Science and Society

Winter 2024

Course Credits: 4

Contact Hours: 56 hours

Instructor: TBA

Email:TBA

COURSE OBJECTIVES

This course delves into the intricate relationship between science and society, exploring how advancements and findings in the human sciences shape, influence, and interact with the broader societal context. Students will be equipped with transferable skills in research, argumentation, debate, group collaboration, and effective communication. The course will address contemporary and challenging issues, encouraging interdisciplinary engagement with topics spanning anthropology, biology, ecology, evolution, genetics, medicine, physiology, psychology, politics, and sociology.

Upon Completion of this Course, students will be able to:

1. Explain and analyze the scientific concepts relevant to issues of local concern;
2. Understand and articulate the interconnections between various scientific disciplines and their impact on societal structures and norms;
3. Develop and apply critical thinking skills to analyze complex issues at the intersection of science and society;
4. Develop and refine skills in formal debate, including public speaking, persuasive argumentation, and rebuttal;
5. Collaborate effectively in group settings, fostering teamwork and contributing to the collective understanding of complex issues.

PREREQUISITES

None



GRADING

Grades will be determined by accumulating points, with 100 points being the maximum, as follows:

ITEM	POINTS
2 Assignments	10 Points
2 Quizzes	20 Points
2 Debates	20 Points
Final Project and Presentation	20 Points
Midterm Exam	10 Points
Final Exam	20 Points
Total	100 Points

Late submissions will be graded at the end of the course. Grades will be assigned according to the following rule:

$A \geq 90 > B \geq 80 > C \geq 70 > D \geq 60 > F$.

We reserve the right to make adjustments to the overall grading policy.

COURSE MATERIALS

Required Texts:

John Avery. *Science and Society*, 2nd Edition. H.C. Ørsted Institute, Copenhagen, 2005.

Recommended (Optional) Texts or Other Materials:

Supplemental readings might be included to illustrate or expand on textbook readings.

COURSE TOPICS

MODULE	TASKS
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Module 1	<p>Topics: Topic 1: What is Science and History of Science Topic 2: Prehistory of science studies Topic 3: The Structure of Scientific Revolutions Topic 4: The Sociology of scientific knowledge</p> <p>Assessments: Assignment #1</p>
Module 2	<p>Topics: Topic 5: Modern Science and the Scientific Method Topic 6: The Interdependence of Science and Technology Topic 7: Science and the Public Topic 8: Science-Industry Relationships and Intellectual Property</p> <p>Assessments: Debate #1 Quiz #1</p>
Module 3	<p>Topics: Topic 9: Theory of Evolution Topic 10: Discovery of Antibiotics Topic 11: Atomic Energy Topic 12: Space Sciences</p> <p>Assessments: Assignment #2 Midterm Exam</p>
Module 4	<p>Topics: Topic 13: Genetics and Human Health Topic 14: Feminist Critique of Science Topic 15: Actor-Network Theory Topic 16: Incommensurability, Translation, and Cooperation in Science</p> <p>Assessments: Debate #2 Quiz #2</p>
Module 5	<p>Topics: Topic 17: Science in Democracy, Democracy in Science Topic 18: Science and Epistemic Justice Topic 19: Delivering the Economy: Performativity and its limits Topic 20: Economics and the making of Global Markets</p> <p>Assessments: Final Project and Presentation Final Exam</p>

ATTENDANCE



1) Class attendance is required. Missing classes without permission will lead to decrease in overall grade.

Missing less than two classes: no penalty.

Missing more than two classes: 7% will be taken off from the overall grade.

If the instructor reports a student's frequent missing of class to the Soochow University Academic Administration Office, the student might get a written warning and might be prohibited from attending final exam.

2) Participants in this course are expected to arrive in class promptly and adequately prepared. The primary objective of this course is to critically engage with the readings and the subject matter. Therefore, course participants are expected to have completed the reading prior to class and prepare thoughtful reflections/commentaries to share with fellow colleagues.

LEARNING REQUIREMENTS

- 1) Late assignments are not acceptable and are subjected to grade deductions.
- 2) Assignments submitted in the wrong format will be counted as not submitted.
- 3) Failure to submit or fulfill any required course component results in failure of the class.
- 4) Make-up for midterm and final exams only with valid excuses, as defined by the University.
- 5) In order to earn a Certificate of Completion, participants must thoughtfully complete all assignments by stated deadlines and earn an average quiz score of 50% or greater.

TECHNOLOGY POLICY

The use of electronic devices in class is distracting, both for the user and for the rest of the class. Only non-programmable calculators can be used in the tests and exam. Any attempts to use cell phones and other electronic communication devices will be seemed as cheating. Laptops are discouraged, unless you use them for activities DIRECTLY related to the course (eg., note taking, reading course documents).

ACADEMIC INTEGRITY POLICY



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Soochow University highly values the academic integrity and aims to promote the academic fairness, honesty and responsibility. Any academic dishonesty behaviors and any attempts to cheats and plagiarism will be reported to the university administration office. A written warning and the relevant penalties will be imposed. The record might be shown on the official university transcript.

DISABILITY ACCOMMODATION

Soochow University is committed to maintaining a barrier-free environment so that students with disabilities can fully access programs, courses, services, and activities at Soochow University. Students with disabilities who require accommodations for access to and/or participation in this course are welcome.

Note:

Please contact the University Administrative Office immediately if you have a learning disability, a medical issue, or any other type of problem that prevents professors from seeing you have learned the course material.