


5.00 credits

15.0 h + 15.0 h

Q2

Teacher(s)	Guay Alexandre ;Jeanmart Hervé ;Rezsosazy René ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Basic instruction in the philosophy of natural science and in ethical reflection ; Reading knowledge of English sufficient to allow for study of contemporary texts in philosophy of Nature and philosophy of natural science.
Main themes	<p>The course will consist of a philosophical analysis of techno-scientific practices along parallel tracks.</p> <ul style="list-style-type: none"> <li>- It will examine the societal dimensions of techno-scientific practice, and introduce the fundamental concepts of the sociology of science as well as movements related to " Sciences, technologies, societies " .</li> <li>- It will also portray the ethical dimension of scientific practices, within the multiple dimensions of the techno-scientific sphere. The course will have two parts:</li> <li>- In the first, theoretical part it will provide an introduction to basic concepts in the sociology of science and the fundamental concepts of the ethical approach to science and technology.</li> <li>- The second part will analyze case studies chosen each year.</li> </ul>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>Upon completion of the course, the student shall be able to :</p> <ol style="list-style-type: none"> <li>1 - analyze contemporary techno-scientific practices</li> <li>- distinguish the social and ethical significance of these practices</li> </ol>
Evaluation methods	<p><b>1. Joint Seminar with Students from the Faculty of Science (2 ECTS)</b></p> <p>The assignments are prepared in interdisciplinary groups (2 to 3 students) on a topic chosen in consultation with the course co-instructors. The work includes a written report and an oral presentation with discussion, scheduled during the mini-symposium that concludes the course.</p> <p>In the second session, the evaluation will take the form of an individual assignment on a topic chosen in consultation with the course co-instructors.</p> <p><b>2. Seminar Among Philosophers (3 ECTS)</b></p> <p>Philosophy students are also invited to produce a philosophical paper that further explores the theme addressed with the science students. The evaluation is based on both assignments, weighted according to the number of credits assigned to each (40% group work, 60% individual work).</p> <p>In the second session, the evaluation will take the form of a presentation and an individual paper on a topic chosen in consultation with the course co-instructors.</p>
Teaching methods	<ul style="list-style-type: none"> <li>• Topical presentations by the professors in pairs (scientist and philosopher), followed by a debate with the class</li> <li>• Watching a film</li> <li>• Presentation of group work by the students</li> </ul>
Content	<p>The objective of this course is to develop the fundamental concepts needed for a critical approach to the ethical relationship between science and society. The course is an interdisciplinary activity, both for the professors and the students. It consists of 2 ECTS for the scientists and 5 ECTS for the philosophers.</p> <p>The course thus consists of two distinct parts.</p> <p>1) Part for all students:</p> <p>Six lecture sessions followed by in-class discussion on general themes (for example: ethical argument, biodiversity and the economy, genetically modified organisms, energy policy, in-vitro fertilization, etc.).</p> <p>2) Part specifically for students in philosophy:</p> <p>Students in philosophy will also write a longer work of around a dozen pages on the philosophical and ethical dimensions of the group project undertaken with students in the sciences (see below).</p>
Inline resources	PowerPoint presentations and other relevant reading accessible via Moodle.
Faculty or entity in charge	EFIL

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Ethics	<a href="#">ETHI2M</a>	5		
Master [120] in Philosophy	<a href="#">FILO2M</a>	5		