



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Le Tecnologie "Morali" Emergenti e le Sfide Etico-Giuridiche delle Nuove Soggettività

1718-5-A5810242

---

#### Course title

Emerging 'moral' technologies and the ethical-legal challenges of new subjectivities (MoTecLS)

Co-financed by the European Union within the Erasmus+Jean Monnet Activities

Information are also available at the dedicated webpage:

[www.motecls-jeanmonet.unimib.it](http://www.motecls-jeanmonet.unimib.it)

#### Topics and course structure

It is strongly recommended to participate in the course as advances in technology and science are so fast that only by attending the course students can have updated material and get in touch with experts of different disciplines.

#### Syllabus of lectures:

1. Technological and scientific development in the EU legal framework
2. The relation between morality and technology

3. Contribution of the European Court of Human Rights (ECtHR) to the enforcement of the Convention of Human Rights and Biomedicine
4. 'Moral' technologies and new legal subjectivities within the EU framework of fundamental rights
5. 'Moral technologies' and the case of conscientious objection
6. Human enhancement and EU policy-making: the case of 'moral' bioenhancement
7. 'Moral' technologies: the ethical-legal case of doping in sport
8. The role of European and national Committees on Bioethics in promoting public awareness as regards the ethical-legal questions arisen by 'moral' technologies
9. Neuroscientific research in the EU ethical-legal framework
10. Genetic experimentation: scientific state of the art, new trends, and ethical-legal questions in the EU scenario
11. Human enhancement and the essence and integrity of the human being
12. 'Moral' technologies ethically designed by default: protecting the right to health and to self-determination
13. Specific forms of bio-enhancement and scientific state of the art: the case of transcranial magnetic stimulation (TMS) and transcranial direct current stimulation tDCS
14. Robots and moral-legal obligations
15. Moral bioenhancement in the Italian legal system
16. Designing Artificial Intelligence and the Root to moral Subjects
17. Moral' technologies and fundamental rights: is there a legal right to 'moral' enhancement?
18. 'Moral' technology and human dignity: the case of neurointerventions
19. Constructing ethical-legal knowledge: the influence of technology
20. The right to health and self-determination in the EU court decisions
21. Focus on ethical-legal questions arising by the project of Moral Bioenhancement: responsibility and freedom

## **Objectives**

Scientific-technological advances have forced legal experts to re-consider legal categories, institutions, and subjectivities. Legal implications of scientific-technological progress for the European legal system have been already recognized in the 2009 Human Enhancement Study of the Directorate General for Internal Policies, in FP7 financed projects (ETHENTECH and EPOCH), and there are ongoing legal drafts like the report with recommendations to the Commission on Civil Law Rules on Robotics (2015/2103 (INL)). The main aim of our proposal lies therefore at the heart of the European efforts to provide adequate legal tools fostering scientific-technological progresses, including fundamental rights' protection. The project will investigate the ethical-legal implications of 'moral' technologies for enjoying fundamental rights as follows: 'moral' technologies, protection of human dignity, identity and the right to integrity; EU antidiscrimination law and human enhancement; the role of

scientific and technological advances in re-designing legal subjectivities; the role of the existing committee on bioethics in promoting public awareness; the role of European and national law in providing a framework for scientific-technological progress to be 'ethically designed by default'.

## **Methodologies**

- Interaction with students by means of e-learning platform
- Interdisciplinary approach characterised by lectures of expertise from different academic fields which are relevant to bioethical questions.
- Active participation of students in lectures and annual roundtables
- Selection of best students' essays for presentation and publication in national or international journal.

## **Online and offline teaching materials**

The didactic material discussed during the lecture is available on the e-learning platform

Other useful material is available at [www.motecls-jeanmonet.unimib.it](http://www.motecls-jeanmonet.unimib.it)

## **Programme and references for attending students**

### **For attending students**

Bibliographic references will be decided during the course

## **Programme and references for non-attending students**

### **For not attending students:**

It is strongly recommended to participate in the course as advances in technology and science are so fast that only by attending the course students can have updated material and get in touch with experts of different disciplines.

- 1) Stefano Rodotà, Il diritto di avere diritti, Editori Laterza, 2012
- 2) Papers to be selected write an e-mail to [silvia.salardi@unimib.it](mailto:silvia.salardi@unimib.it)

In addition, students must select one of the following books, which are available also in English:

a) Giuseppe Testa, Helga Nowtmy, Geni a nudo. Ripensare l'uomo nel XXI secolo, Editore Codice, 2012 (English version: Naked Genes: Reinventing the Human in the Molecular Age (MIT Press) 2011)

b) Nickolas Rose, La politica della vita, Biomedicina, potere e soggettività nel XXI secolo, Einaudi, 2008, (English version: The Politics of Life Itself: Biomedicine, Power, and Subjectivity in the Twenty-First Century, 2006)

## **Assessment methods**

Oral examination

## **Office hours**

for any questions students can write to [silvia.salardi@unimib.it](mailto:silvia.salardi@unimib.it) in order to fix an appointment with the Professor

## **Programme validity**

The programs will be valid for three academic years

## **Course tutors and assistants**

Dr. Michele Saporiti, module leader, [michele.saporiti@unimib.it](mailto:michele.saporiti@unimib.it)

---