



### NEUROETHICS

Anno immatricolazione	2020/2021
Anno offerta	2021/2022
Normativa	DM270
SSD	M-PSI/02 (PSICOBIOLOGIA E PSICOLOGIA FISIOLOGICA)
Dipartimento	DIPARTIMENTO DI SCIENZE DEL SISTEMA NERVOSO E DEL COMPORTAMENTO
Corso di studio	PSYCHOLOGY, NEUROSCIENCE AND HUMAN SCIENCES
Curriculum	PERCORSO COMUNE
Anno di corso	2°
Periodo didattico	Primo Semestre (04/10/2021 - 21/12/2021)
Crediti	6
Ore	36 ore di attività frontale
Lingua insegnamento	INGLESE
Tipo esame	SCRITTO E ORALE CONGIUNTI
Docente	SANTOSUOSSO AMEDEO (titolare) - 3 CFU LAVAZZA ANDREA - 3 CFU
Prerequisiti	Basic knowledge of neuroanatomy and cognitive neuroscience is assumed. Some basic concepts of moral and legal theories are helpful but not strictly required.
Obiettivi formativi	<p>The course aims at offering knowledge in the new and expanding field of neuroethics, an interdisciplinary endeavor that arises from the development of cognitive science and its theoretical and practical implications at an ethical, legal, societal and political level. The course is aimed at all the students interested in acquiring updated skills in a very relevant feature of research and psychological practice, namely the ethical side of every kind of interventions on human mind/brain. After the course, participants will be expected to be able to:</p> <ul style="list-style-type: none"><li>* recognize the ethical issues at stake in singles cases and new strands of research.</li></ul>

	<ul style="list-style-type: none"> <li>* understand and apply the relevant neuroethical tools related to the case in question.</li> <li>* develop proposals for original view concerning new ethically controversial issues.</li> </ul>
<b>Programma e contenuti</b>	<p>Neuroethics, the law, and criminal responsibility  Strategies of regulation (ethics, soft law, law by design)  Rationality, consciousness and machines  Machine ethics  Artificial intelligence and general- purpose AI  Cognitive biases, intelligence and thinking rationally  Reading and controlling minds  Bci, neural prostheses, brain privacy, and cognitive liberty  Free will and neuroscience  Cognitive (and moral) enhancement  Memory modulation  Disturbances of consciousness  Human cerebral organoids  Microbiome and behaviour</p>
<b>Metodi didattici</b>	The course is based on lectures, video material, group discussion and individual discussion of scientific articles and single case studies.
<b>Testi di riferimento</b>	The materials will be provided during the course. Students are advised to read: N. Levy, Neuroethics, Cambridge University Press.
<b>Modalità verifica apprendimento</b>	Written and / or oral examinations with the possibility for the student to prepare reports on specific topics and discuss them.
<b>Altre informazioni</b>	
<b>Obiettivi Agenda 2030 per lo sviluppo sostenibile</b>	<a href="#">\$Ibl legenda sviluppo sostenibile</a>