lepl1801

2019

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

3 credits	22.5 h + 15.0 h	Q1

Teacher(s)	Guay Alexandre ;SOMEBODY ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	*The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** First session: Written exam (70%), continuous evaluation (30%). Second session: written exam (100%)
Content	1 - Introduction: Norms in technologies 2 – Concept: risk et expertise 3 – Ethical theory: consequentialism 4 – Concept: professional codes 5 – Ethical theory: deontology 6 – Concept: value and interests 7 – Ethical theory: virtue ethics 8 – Concept: context and Complex: From context to 9 – Ethical theory: care ethics 10 – Application: Numerical governance 11 – Application: Drones and robots 12 – Application: Privacy 13 – Application: Energy
Inline resources	Class Moodle website.
Bibliography	**Bibliographie sommaire** Chamayou, Grégoire. *Théorie du drone*, La fabrique: Paris, 2013. 363 p. Dumouchel, Paul ; Damiano, Luisa. *Vivre avec les robots : essai sur l'empathie artificielle*, Seuil: Paris, 2016. 224 p. Friis, Jan Kyrre Berg Olsen ; Pedersen, Stig Andur ; Hendricks, Vincent F. *A companion to the philosophy of technology*, Wiley-Blackwell: Chichester,, 2009. xv, 571 p. Hansson, Sven Ove, éd. 2017. *The Ethics of Tecnology,* Rowan & Littlefield: London. Jasanoff, Sheila. *The ethics of invention : technology and the human future*, W. W. Norton: New York (N.Y.), 2016. x, 306 p. Kroes, Peter, et Peter-Paul Verbeek, éd. 2014. *The Moral Status of Technical Artefacts*. Vol. 17. Philosophy of Engineering and Technology. Dordrecht: Springer Netherlands. http://link.springer.com/10.1007/978-94-007-7914-3. Mitcham, Carl ; Ferre, Frederick. *Ethics and technology*, JAI Press: Greenwich, 1989. XVIII, 306 p. Murphy, Colleen, Paolo Gardoni, Hassan Bashir, Charles E. Harris Jr., et Eyad Masad, éd. 2015. *Engineering ethics for a globalized world*. New York, NY: Springer Berlin Heidelberg. Poel, Ibo, et David Goldberg, éd. 2010. *Philosophy and Engineering:* Vol. 2. Philosophy of Engineering and Technology. Dordrecht: Springer Netherlands. http://link.springer.com/10.1007/978-90-481-2804-4. **Poel, Ibo van de, et Lambèr M. M. Royakkers. 2011. *Ethics, Technology, and Engineering: An Introduction*. Malden, Mass: Wiley-Blackwell.** Une bonne introduction au sujet, si vous deviez ne lire qu'un livre, ce serait celui-là. Verkerk, Maarten Johannes ; Hoogland, Jan ; van der Stoep, Jan ; Nelson, Mark. *Philosophy of technology : an introduction for technology and business students*, Routledge/Taylor & Francis: London, 2016. xvii, 336 p. Vermaas, Pieter E., éd. 2009. *Philosophy and design: from engineering to architecture*. Dordrecht: Springer. Waelbers, Katinka. 2011. *Doing Good with Technologies:* Vol. 4. Philosophy of Engineering and Technology. Dordrecht: Springer Netherlands. http://link.springer.com/10.1007/978-94-007-1640-7.

Faculty or entity in charge	BTCI

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Engineering	FSA1BA	3		🔍