



COURSE TITLE:	Machine Learning
Institute/Division:	Department of Automation and Computer Engineering Faculty of Electrical and Computer Engineering
Course code:	E-ML
Erasmus subject code:	0688 Information and Communication Technologies (ICTs), inter-disciplinary programmes
Number of contact hours	45
Course duration:	1 semester (Fall/Winter)
ECTS credits:	6
Course description:	<p>The course presents the theory of machine learning of the system. The principles of learning with a teacher, without a teacher, and the theory of constructing machine learning algorithms will be described.</p> <p>The issues of system autonomy resulting from the learning process will be explained.</p> <p>The problems of automatic inference based on mega data and prediction will be presented.</p>
Course type:	Lectures (20h), Laboratory (20h), Project (5h)
Literature:	<p>Domingos, Pedro (September 22, 2015). The Master Algorithm: How the Quest for the Ultimate Learning Machine Will Remake Our World. Basic Books. ISBN 978-0465065707.</p> <p>Nilsson, Nils (1998). Artificial Intelligence: A New Synthesis. Morgan Kaufmann. ISBN 978-1-55860-467-4. Archived from the original on 26 July 2020. Retrieved 18 November 2019.</p>
Assessment method:	Assessment of the development of the issue in the computer laboratory
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