

TUTORIAL COURSE FORM – 2022-2023 ACADEMIC YEAR

Name of the tutorial course (Erasmus/exchange students)	Artificial Intelligence for Business - in theory (T1) and Artificial Intelligence for Business - in practice (T2)
Professor	Names: PAVALOAI DANIEL (T1) and NECULA SABINA (T2) Office B303, B305 Email danpav@uaic.ro, sabina.necula@uaic.ro
Semester in which the tutorial course is available	2
No. of ECTS credits	5
Level of study	Undergraduate and Graduate
Short description/Contents	The students will become familiar with the concept of Artificial intelligence and its wide applications in the business sector such as: Robotics, Neural networks, Intelligent systems, Genetic algorithm systems, Fuzzy systems and Semantic web.
Assessment	50% theory exam, 50% project (P1 – Java AND/OR P2+P3 – Python, depending on the number of students)
Bibliography	<p>Main readings (T1):</p> <ol style="list-style-type: none"> 1. Păvăloaia, V.D., Necula, S., Artificial Intelligence for Business, LAP LAMBERT Academic Publishing, 2020 shorturl.at/rsZ09 2. S. Russell, P. Norvig. Artificial Intelligence: A Modern Approach (3rd ed.). Prentice Hall, 2010, ISBN 978-0136042594 3. Yusuke Sugomori et al., Deep Learning: Practical Neural Networks with Java, Packt 2017 <p>Laboratory readings (T2):</p> <ol style="list-style-type: none"> 1. M.Bali. Drools JBoss Rules 5.X Developer's Guide, Packt Publishing, 2013 2. L.Amador. Drools Developer's Cookbook, Packt Publishing, 2012 3. Raschka, S., 2015. Python machine learning. Packt Publishing Ltd. 4. Kaggle online courses AI specific courses (Java&Python) 5. Husac, G., Păvăloaia, V.D., Using Artificial Intelligence techniques to track unauthorized access: A case study for building a face recognition application, LAP LAMBERT Academic Publishing (September 15, 2022) shorturl.at/uyGS8
Observations	The discipline is taught in the 1 st semester in the Software Development and Business Information Systems master program. Thus, students can enrol in that class. Only in the 2 nd semester the tutorial course (T1+T2) can be taken as a tutorial course.