Course title	Evolutionary Computing
Institute/Division	Faculty of Computer Science and Mathematics/ Department of Computer Science
Course code	F-1. EC
Erasmus subject code*	11.3, 11.4
Number of contact hours**	45 lecture hours (45h)
Course duration	1 semester (Spring/Fall)
ECTS credits	6
Course description (max 100 words)	1- Introduction to Evolutionary Computation 2- Genetic Algorithms 3- Evolution Strategies 4- Genetic Programming 5- Learning Classifier Systems 6- Tuning Evolutionary Algorithms 7- Neuro-evolution
Literature	A.E. Eiben and J.E. Smith, Introduction to Evolutionary Computing, Second Edition, Springer, 2015, ISBN 978-3-662-44873-1
Course type/organization	Lectures, Computer labs, Projects
Assessment method	Laboratories, assignments, project, seminar, exam
Prerequisites	Introduction to Algorithms
Primary target group	Computer science students in the 3rd or 4th year
Contact person	dr inż. Mariam Zomorodi, prof. PK
Course application deadline	
Remarks	N/A

*please insert one of the following codes:
11.0 Mathematics, Informatics
11.1 Mathematics
11.2 Statistics
11.3 Informatics, Computer Science
11.4 Artificial Intelligence
11.5 Actuarial Science
11.9 Others Mathematics, Informatics

**1 lecture hour=45 minutes