



Course title	Natural Language Processing
Institute/Division	Faculty of Computer Science and Telecommunication/ Department of Computer Science
Course code	F-1.NLP
Erasmus subject code	11.3, 11.4
Number of contact hours**	45 lecture hours (45h)
Course duration	1 semester (Spring)
ECTS credits	6
Course description (max 100 words)	Natural Language Processing is currently used in many applications, from extracting useful information from the text through writing texts automatically and creating chatbots for conversations. In this course I will introduce you to the basics of NLP aimed at practical skills. You will learn how to extract information from the text, analyze semantics (meaning) of sentences, you will construct your first chatbot, and use deep learning (neural networks) to learn computer understand natural/human language efficiently.
Literature	H. Lane, H. Hapke, C. Howard, 'Natural Language Processing in Action', Manning 2019
Course type/organization	Lectures + Computer laboratory
Assessment method	Group project + oral presentation
Prerequisites	Programming in Python
Primary target group	Engineers and computer scientists who are interested in practical use of computers to process natural language.
Contact person	Radosław Kycia
Remarks	

*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

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