



Course title: **Natural Language Processing**

Institute/Division: Faculty of Computer Science and Telecommunications (Division of Computer Science)

Course code: F3 - NLP

Erasmus subject code: Informatics, Computer Science

Number of contact hours: 45 hours

Course duration: 1 semester

ECTS credits: 6

Course description:

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.

In order to pass you will have to do group project and give a talk on theoretical aspect of NLP.

Literature:

[1] H. Lane, H. Hapke, C. Howard, 'Natural Language Processing in Action', Manning 2019

Course type: 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.

Lecturer: Radosław Kycia

Contact person: Radosław Kycia, rkycia@pk.edu.pl

Deadline for application: 15th of January

Remarks: