Course title: **Application of neural network**

Institute/Division: **FACULTY OF CHEMICAL ENGINEERING AND TECHNOLOGY**

Number of contact hours: **15 hours** (15h computer laboratories)
Course duration: 1 semester (6th semester of regular I cycle studies - spring)
ETCS credits: **1**

Course description:
Objectives of the course:
To familiarize students with the properties and capabilities of artificial neural networks.
To acquire the ability of students to build a neural network.

Education effects :
- knowledge: student knows the most important types of neural networks
- skills: student can build simpe neural networks
- social: student is able to work independently and in the group both at the computer laboratories

Literature: [1] https://www.ibm.com/cloud/blog/ai-vs-machine-learning-vs-deep-learning-vs-neural-networks
[2] https://www.sciencedirect.com/topics/earth-and-planetary-sciences/artificial-neural-network

Assessment method: Final test, completing the laboratories (presence and delivering of reports from each performed exercise)
Prerequisites: Basic knowledge in organic chemistry and technology.
Primary target group: Students from all specialties

Lecturer: **dr. inż. B. Fryźlewicz-Kozak**
Contact person: **dr. inż. B. Fryźlewicz-Kozak,** beata.fryzlewicz-kozak@pk.edu.pl
Deadline for application: 15th of January
Remarks: The course is selectable