Faculty of Mathematics and Computer Science

Course title: Databases and Data Sources

ECTS credit allocation (and other scores): 4

Semester: autumn

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Engineering and technology

Language: English/Polish

Number of hours per semester: 60

Course coordinator/ Department and e-mail: Paweł Drozda, pdrozda@matman.uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Implementation of PL / SQL language elements, pipeline implementation in AirFlow, preparation of scripts allowing for processing various data in Python

LECTURES: Overview of the PL / SQL language: views, procedures, functions, triggers, exception handling, creating packages, introduction to airflow, methods of processing various data in Python

Learning purpose: Get knowledge about different data sources and its processing

On completion of the study programme the graduate will gain:

Knowledge: He knows what are the elements of the PL / SQL language, knows the ways of processing various data

Skills: He can implement the basic elements of the PL / SQL language, the process in AirFlow and process various data formats

Social Competencies: Can work in a group, understands the need for continuous learning

Basic literature: AirFlow Documentation, Python documentation, PL/SQL Documentation

Supplementary literature: none

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 65

Student's independent work: 55