The syllabus of the course
«Management information systems and Data Warehouse»

Specialty	*F6 Information systems and technologies*
Educational program	*Information systems and technologies*
Educational level	*The second (master's) level of higher education*
Course status	*Mandatory*
Language of instruction	*English*
Course / semester	*1 course, 1th semester*
Number of ECTS credits	*5 credits*
Distribution by types of classes and hours of study	*Lectures - 14 hours.* *Laboratory classes - 36 hours.* *Self study- 100 hours.*
Form of final control	*Credit*
Chair	*Department of Information Systems, room 413 (main building), (057) 702-18-31 (add. 4-37), department website: https://kafis.hneu.net/*
Teacher (s)	*Znakhur Serhii Viktorovych, phd, Associate Professor*
Contact Information teacher (s)	*serhii.znakhur@hneu.net*
Class days	*Lecture: згідно діючого розкладу занять* *Practical (laboratory): згідно діючого розкладу занять*
Consultations	*At the Department of Information Systems, full-time, according to the schedule of consultations, individual*

Learning objectives and skills:

The purpose of the educational course "Management information systems and Data Warehouse" is to acquaint masters with existing methodological approaches and technological means of developing Data Warehouse s and analytical information systems BI (business intelligence), to study methods of building and maintaining such systems.

Structural and logical scheme of the course

Prerequisites	Postrequsites
–	Complex Training Pre-graduate Practice Diploma Work

Content of the academic course

Content module 1. *Modern management IS and BI*

Topic 1. Introduction to the course

Topic 2. Data management systems and technologies

Topic 3. PowerBI system

Content module 2. *BI Systems*

Topic 4. Data Warehouse and BI

Topic 5. OLAP systems

Topic 6. BigQuery analytical system

Material and technical (software) ensuring course

PowerBI, Pandas, AWS, GCP

Learning outcomes assessment system

The University uses a 100-point cumulative system for assessing the learning outcomes of students. Current control is carried out during lectures, practical, laboratory and seminar classes and is aimed at checking the level of readiness of the student to perform a specific job and is evaluated by the amount of points scored: for courses with a form of semester control as grading: maximum amount is 100 points; minimum amount required is 60 points. The final control includes current control and assessment of the student.

Course policies

The teaching of the course is based on the principles of academic integrity. Violations of academic integrity are: academic plagiarism, fabrication, falsification, write-off, deception, bribery, biased evaluation. For violation of academic integrity, students are brought to the following academic responsibility: re-assessment of the relevant type of educational work

More detailed information on competencies, learning outcomes, teaching methods, assessment forms, independent work is given in the Work program of the course*.*