The syllabus of the discipline

|  |  |  |
| --- | --- | --- |
| № | Field name | Detailed content, comments |
|  | Name of the faculty | Faculty of Computer Science |
|  | The level of higher education | Master's |
|  | Code and title of specialty | 122 Computer Science |
|  | The type and title of the educational program | EPP «Information management systems and technologies» |
|  | Code and title of the discipline | \_\_\_DistPDB\_\_\_ Distributed and parallel databases |
|  | Number of ECTS credits | 4 |
|  | The structure of the course (distribution by type and hours of training) | 24 h. – 12 lectures, 16 h. – 4 practical works, 8 h. – 4 consultations, 72 h. – independent work, semester control: credit |
|  | Schedule (terms) of study of the subject | First course, 2nd semester |
|  | Prerequisites for learning the discipline | Previously, the disciplines "Information Systems Design", "Distributed Database Management Systems" should be studied. |
|  | Abstract (content) of the discipline | Elective discipline of professional and practical training, contains content modules:  1. Parallel database technologies  2. Distributed database technologies. |
|  | Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process | Knowledge of basic concepts and principles of design, operation and administration of distributed and parallel databases, the ability to organize relationships between components of a distributed database, to administer distributed transactions. |
|  | Learning outcomes of a Higher Education applicant | Ability to demonstrate knowledge of methods and tools for processing and administration of heterogeneous data obtained from different sources; ability to design and software implementation of methods of computer processing of large arrays of distributed data in information environments for various purposes; project work skills |
|  | Assessment system in accordance with each task for taking tests/exams | 1. Work out and defend practical classes.  2. Take 4 computer tests (10 questions on program code analysis for 10 minutes)  3. Get at least 60 points per semester.  Semester grade (credit) : (6-10)х4 tests + (9-15)х4 practical works =(60-100) points |
|  | The quality of the educational process | Adherence to the principles of academic integrity (<http://lib.nure.ua/plagiat>). Update of the working program of the discipline - 2019. Practical classes are performed in the laboratory of the department, software – Oracle 11g Express Edition (Oracle 12c Enterprise Edition) |
|  | Methodological support | Complex of educational and methodical support of educational discipline "Distributed and parallel databases" of preparation of masters of a specialty 122 - Computer sciences [Electronic resource]: educational program "Information control systems and technologies" / KNURE; developed. T.G. Bilova. - Kharkiv, 2018. - 117 p.<http://catalogue.nure.ua/knmz>. |
|  | The developer of the Syllabus | T.G. Bilova, Associate Professor of Informational Control Systems Department, Candidate of Technical Sciences, Associate Professor  Е-mail: [tetiana.bilova@nure.ua](mailto:tetiana.bilova@nure.ua) |