

OPERATING SYSTEMS

OUTLINE TO THE SYLLABUS OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 6-05-0612-03 Information management systems

Profiling Automated information processing systems

	Form of higher education		
	Full-time (full-time)	Correspondence	Part-time
Course	2	2	
Semester	3	3	
Lectures, hours	34	8	
Laboratory classes, hours	16	4	
Midterm credit, semester	3	3	
Classroom hours in the educational discipline	50	12	
Independent work, hours	58	96	
Total hours in the educational discipline / credit units	108/3		

1. Brief content of the training discipline

Teaching students to work in modern operating systems, algorithms used in operating systems.

2. As a result of mastering the discipline the student should know:

- ☐ composition of the operating system,
- ☐ functions of the operating system,
- ☐ basic algorithms implemented in operating systems when performing their functions;
- ☐ methods of generation and identification of tasks in multitasking and distributed computing environments;
- ☐ mechanisms of inter-task interactions; characteristics and methods of building "client-server" type systems;
- ☐ peculiarities of programming multitask distributed systems.

be able to:

- ☐ configure specific configurations of operating systems;
- ☐ expand the capabilities of operating systems.

possess:

- ☐ skills of working in the environment of different operating systems;
- ☐ skills of operating systems administration.
- ☐

3. Formative competences

Manage operating systems, use methods of task planning, synchronisation, administration and information protection.

4. Requirements and forms of current and intermediate attestation.

Defence of laboratory works - current, credit – intermediate (written form)