

DEVELOPMENT OF LOGICAL THINKING IN THE PROCESS OF
LEARNING CONCEPTS IN OPERATING SYSTEMS

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The faculty to obtain new knowledge results from the development of thinking process. According to the philosophy of dialectical materialism, in order to develop the student's ability to think logically, the process of learning the teacher should take account of the following:

1. to make the student aware, that the tools of scientific research are not only technology and instruments, but it also includes our tools for thought such as concepts, categories, judgements, laws, principles and so on.
2. to make him see the relationships between the concepts and theories taught in a given field of knowledge and the objective reality.
3. to view cognition as an historical process, so that it will help the student to grasp the process by which new theories emerge and of the reasons why old theories are limited.
4. to make the student think of the limitations and one-sidedness of the approaches used in a specific science and make him analyze the knowledge in a given field dynamically. This would help him to isolate to a certain extent the possible general directions of the development of scientific concepts and theories in a particular field.

Taking account of the above mentioned points 1-4, this paper explains how various concepts and theories should be taught, in the subject area of operating systems.

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