

MODULE PRINCIPLE OF TEACHING INFORMATIONAL TECHNOLOGY

In my opinion, the professional level of any expert is considerably determined by his or her acquaintance with principles and methods of information science. Rapid development and improvement of modern information technologies requires not only particular knowledge of their background, but first of all, skills to master them. By skills I mean an ability to understand these technologies and operate them within huge variety of modern informational products and systems.

That is why the requirements on training specialists in the field of information technologies and science are quite high, even though most universities are not always specialized on training of the information technologies experts. I think that in the future these requirements are going to become higher and higher. Because of this the contents and organization of the computer technologies teaching process should be essentially renewed and reorganized to provide more clear orientation on the modern skills and ways of adaptation to the new knowledge and ideas to be practiced.

Nevertheless, information technologies teaching process should be able to be efficiently adapted to the external factors.

The subject of information science is closely related to the other disciplines: on one hand, it is a good base for scientific and professional disciplines; on the other hand, it completes the training of the expert so that he or she could be well-rounded and able to solve complex problems. All mentioned above proves that level and quality of information technologies teaching process is determined by its organization, providing integrity and purposefulness to this process.

Basic information science training of the specialists, taking specialization not related to computer science should contain the same disciplines that it contains for the specialists who are taking specialization, related to computer science.

The main difference is in items and subjects chosen to match the direction of the specialists' training. The new aim of such training is to provide understanding of the information technologies role and place it takes in the structure of the professional skills and knowledge that a certain specialist has. I suppose that the most efficient proportion of understanding the subject and ability to practice particular skills should be also guaranteed.