

INFORMATION-ANALYTICAL SUBSYSTEM METHODOLOGICAL MAINTENANCE OF EDUCATIONAL PROCESS

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Nowadays, quality and operational management of all activities of the university is not possible without using sophisticated information technologies. The need for continuous monitoring of all activities of the university, creating information infrastructure integrated into the global network Internet, developing a complete system of electronic documents providing intellectual support for university management requires the development and implementation of an integrated system of automatic control. The development of such a system is a complex process. That's why the conceptual design of a functional and structural model of the university might be followed by a selection of several relatively independent research directions to be developed and implemented step by step. One of these directions is the creation of an automated data processing subsystem «Teaching Materials».

Teaching materials are an integral part of the learning-teaching process. The introduction of credit-modular system has made students the primary means of learning, which in turn has greatly increased the role of teaching technique and teaching materials.

That's why it is necessary to have a special subsystem providing information on the availability of teaching/learning materials on all the subjects taught at the University. The Information Systems and Technologies divisions of SSU is now developing a comprehensive automated information-analytical system «University», which supports the management of educational, research and other activities of the university. The subsystem of teaching/learning materials availability is a constituent of this automated system.

The subsystem of teaching material availability control is based on the funds of the University library. This is the key principle of the system.

An analysis of current information systems and identify the elements (a system or individual modules), which are necessary for the successful operation of subsystem «Teaching Materials».

The subsystem in question involves the following elements:

1. subsystem «curriculum» - is designed to provide educational plans for each academic year;

2. subsystem «Subject Program» - includes programs of academic disciplines;
3. system «UFD / Library» - is intended for automation of library activities;
4. integration module - is designed to load the library catalog system «UFD / Library» in the repository, the data from which will be used by other subsystems;
5. regulatory requirements;
6. students;

The detailed scheme of the relationships.

