

Summary of discipline Modern Methods of Programming.

BACKGROUND The main purpose of the study course "Modern methods of programming" is the introduction of object-oriented design methodology programs (OOMP). This technique successfully used natural ability of the human mind to the classification and abstraction. Modern programming techniques are actually designing classes of objects. With the object of their properties, inheritance and hierarchy ? person faces in their daily lives, they are familiar and intuitive for everyone.

Modern methods of programming tasks require viewed as a sequence of actions implemented a set of procedures as well as a collection of objects endowed with certain characteristics and behavior, namely: the objects are created, destroyed, change their properties and interact.

Using Fluent and methods of object-oriented design, make it easier for students to present their ideas in a form which can be implemented using a computer.

During the study course, students should learn in the process of designing programs use the system concepts close to that used in the subject area, resulting in inaccuracies in the transition from Concept to its implementation are minimized, and the transition will require less effort.

OOMP - is the basis for the creation of application systems used in multitasking operating systems, such As Windows, Windows NT, Linux. Use of the PLO makes it possible to create a system of automatic control and regulation, automatic design, system simulation of various phenomena, database management systems.

The development of computer technology requires students enrolled in professional orientation program "Information Technologies in instrument" 7 05,100,306 study and understanding of the techniques of object-oriented design. The use of OOP techniques can not only effectively realize the potential of the computer when used with instrumentation and for safe and successful use of the computer during the computation, the design of documentation.