PRE-GRADUATE PRACTICE

(course title)

INTERNSHIP COURSE SYLLABUS

ABSTRACT

Specialty 6-05-0612-03 "Information Management Systems"

Specialization: Automated information processing systems

	STUDY MODE		
	Full-time (full-time)	part-time (shortened program)	part-time
Year	4	4	5
Semester	8	7	10
Total course duration in hours / credit units	162/5		

1. Internship course outline (aims and objectives)

The aim of the internship is to familiarise students with the functional duties of an information technology engineer and to collect factual material on the topic of the diploma project in a volume sufficient for writing it. The pre-diploma practice is the most important part of the training of an information technology engineer and is carried out only at the place of distribution or at the university. Formation of the students of the speciality "Automated systems of information processing" of the general idea of the future professional activity, acquaintance with the general requirements, getting an idea of the organisational and production structure of modern organisations/enterprises; consideration of the peculiarities of technological processes of the organisation/enterprise.

The objectives of the practice are: study of current standards, technical conditions, regulations and instructions for the operation of VT equipment, peripheral and communication equipment; study of safety measures, labor protection, fire safety; preparation of materials for the diploma project; generalization, consolidation and deepening of knowledge and skills acquired at the university throughout the entire course of study; obtaining knowledge on the structure, composition, principles of organizing information, software and technical support of ASOI; mastering individual software packages for computer modeling and design; mastering the work with technical and reference literature; search, analysis and evaluation of information for preparing and making decisions on the selection of optimal methods for solving assigned problems; developing skills in using the knowledge and skills acquired during the learning process for competent and technically sound development of programs and databases; design and development of a program that solves the assigned tasks on the selected platform; developing skills in using debugging and testing tools; development of technical documentation for the developed software; familiarization with the objectives of the activities of enterprises and organizations in Mogilev, the organizational structure of various organizations/enterprises, the forms of organization of the production process and its technological support.

2. Course learning outcomes

Upon completion of the course, students will be expected to

– *to consolidate theoretical knowledge* information and communication technologies, used for solving standard tasks of professional activity, methods of searching scientific and technical information on research subjects and methods of solving practical and research tasks on the basis of fundamental knowledge of algorithmization and information processing

– *to master practical skills* separate packages of programs of computer modeling and designing of objects of professional activity, information resources and bibliographic databases, to choose on the basis of fundamental knowledge of algorithmization and information processing methods of solution of practical and research problems;

– *to develop practical expertise* of design and analytical independent work, use of program debugging and testing tools, methods of systematization and generalization of information, design and development of a program solving tasks on the chosen platform, development of technical documentation for the developed software.

3. Competencies

Possess the skills of self-development and improvement in professional activities;

Apply the basic algorithmic methods, methods and means of obtaining, storage and processing of information in solving professional tasks

Carry out object analysis and design of information processing systems.

4.Form of midcourse evaluation.

Intermediate attestation on practice is a differential credit.