

RESEARCH PRACTICE

(course title)

INTERNSHIP COURSE SYLLABUS

ABSTRACT

7-06-0714-02 Innovative technologies in mechanical engineering

(speciality code and name)

Innovative technological systems

(concentration)

	STUDY MODE
	full-time
Year	2
Semester	4
Total course duration in hours / credit units	216/6

1. Internship course outline (aims and objectives):

The objectives of the research practice are: consolidation and expansion of the acquired theoretical knowledge in the disciplines of the direction and special disciplines of the master's program; consolidation of the acquired knowledge, skills and competencies of students related to the formation of a professional worldview and a certain level of culture, as well as acquisition of experience in independent professional activity during the completion of the master's thesis.

The objectives of the research practice are:

- acquisition of professional skills by master's students in the specialty, consolidation, expansion and specialization of knowledge obtained in previously studied disciplines;
- familiarization with programming of CNC machines;
- familiarization with the tasks of the activities of enterprises and organizations of the city of Mogilev, the organizational structure of various organizations / enterprises, with the forms of organization of the production process and its technological support.

2. Course learning outcomes

–to consolidate theoretical knowledge: theoretical foundations of organizing scientific research activities; principles of using modern information technologies in professional activities; basic concepts and problems of methodology of modern science and education; methods of obtaining modern scientific knowledge;

–to master practical skills: apply modern mathematical tools to solve meaningful problems; use modern software to solve problems; carry out scientific information search; analyze the features of the development of modern science; highlight problem areas of development of science and education;

–to develop practical expertise: methods and methodologies for conducting scientific research in the professional field; the skill of independent research work;

3. Competencies: Apply methods of scientific knowledge in research activities, generate and implement innovative ideas.

Solve research and innovation problems based on the use of information and communication technologies.

Ensure communications, demonstrate leadership skills, be capable of team building and developing strategic goals and objectives

4. Form of midcourse evaluation

The intermediate certification for practice is a differentiated test. The final grade is determined as the sum of the rating control of the practice (up to 60 points), the current certification (up to 40 points).