

# GEOLOGICAL PRACTICE

(course title)

## INTERNSHIP COURSE SYLLABUS ABSTRACT

### Specialty 7 – 07– 0732–01 « Construction of Buildings and Structures»

(speciality code and name)

#### Profile «Industrial and Civil Engineering»

#### Profile « Highways»

	STUDY MODE		
	full-time part-time	full-time part-time	full-time part- time
Year	1	2	-
Semester	2	4	-
Total course duration in hours / credit units	108/3		

#### 1. Internship course outline (aims and objectives)

The objectives of the geological training practice are: collection, analysis, systematization and interpretation of stock and published engineering-geological and hydrogeological information; familiarization with the content of the basic methods and techniques used in the study of specific geological objects; study the features of the geological structure of the study objects; familiarization with the geomorphological and hydrogeological features of the area; mastering the methods and techniques to determine the physical and mechanical properties of soils in the laboratory conditions;

Objectives of the geological training are to form practical skills and abilities of students in special academic disciplines, consolidation of theoretical knowledge, mastering of the primary skills in the chosen specialty.

#### 2. Course learning outcomes

Upon completion of the course, students will be expected to **know**: regulatory documents on the organization, composition and conduct of engineering-geological surveys; the basic provisions of engineering-geological surveys; **be able to** analyze the engineering and geological conditions of the projected construction site; construct and analyze geological sections; identify engineering and geological elements within the construction site; use reference literature; **to possess skills** performance of basic field works; maintenance of field documentation; cameral processing of materials; development of a report on the results of engineering-geological surveys.

#### 3. Competencies

During practical training the following competences are being formed or developed

Code of formed competencies	Name of competencies to be formed
UK-1	Apply the methods of scientific knowledge in research activities, generate and implement innovative ideas
UK-5	To be capable of self-development and improvement in professional activity, to develop innovative receptivity and the ability to innovate
BPC -3	Evaluate geological processes in the earth's crust to determine the material composition and characteristics of natural stone materials used in construction

#### 4. Form of midcourse evaluation

Work practice ends with differential credit on the basis of the report presented and the answers during its defense.