**LUBRICATION OF FRICTION UNITS**
(name of the discipline)

## COURSE SYLLABUS ABSTRACT

Specialty **1-36 01 04 – "Equipment and technologies of highly efficient processing processes"**

| | STUDY MODE |
|---|---|
| Year | 4 |
| Semester | 7 |
| Lectures, hours | 16 |
| Practical classes (seminars), hours | 16 |
| Laboratory classes, hours | 16 |
| Pass/fail, semester | 7 |
| Independent study, hours | 48 |
| Contact hours | 60 |
| Total course duration in hours / credit units | 108/3 |

**1. Course outline**

The objectives of the discipline are: the study of the types and methods of application of modern lubricants, the study of the basics of modern technologies to improve wear resistance and repair of machine parts.

**2. Course learning outcomes**

To know:
- properties and rules of use of lubricants;
- methods and means for determining the basic physical properties of lubricants;

be able to:
- choose the necessary lubricants based on the requirements for the operation of the equipment;
- ensure proper storage and use of lubricants;
- make lubrication maps;

own:
- methods of increasing wear resistance and restoring machine parts.

**3. Competencies**

SK-12 Possess modern technologies, equipment and installations for improving wear resistance and restoring machine parts, know modern lubricants and how to use them.

**4. Requirements and forms of midcourse evaluation and summative assessment**

– oral; oral-written.
– interviews;
–reports on classroom practical work with their oral defense;
–reports on home practical work with their oral defense;
–protection of laboratory work.