

**LUBRICATION OF FRICTION ASSEMBLIES**  
(course title)

**COURSE SYLLABUS ABSTRACT**

**6-05-0714-02-2– "Mechanical engineering technology, metal cutting machines and tools"**  
**"Equipment and technologies for highly efficient material processing processes"**  
(speciality code and name)

	STUDY MODE
	full-time
Year	2
Semester	3
Lectures, hours	16
Practical classes (seminars), hours	16
Laboratory classes, hours	16
Pass/fail, semester	3
Contact hours	48
Independent study, hours	132
Total course duration in hours / credit units	180/5

1. Course outline

The academic discipline includes a set of knowledge to ensure high performance and safety of machines, mechanisms and technological equipment.

2. Course learning outcomes

Upon completion of the course, students will be expected to know:

- properties and rules for the use of lubricants;
- methods and tools 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;
- draw up lubrication maps;

have a skill:

- methods of increasing wear resistance and restoring machine parts.

3. Competencies

Own modern technologies, equipment and installations for increasing 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 and written: defense of laboratory work, individual assignments;
- written: offset.