Industrial Design
(course title)

COURSE SYLLABUS ABSTRACT

6-05-0722-05 – Production of products based on three-dimensional technologies
(speciality code and name)

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	16
Laboratory classes, hours	16
Pass/fail, semester	7
Contact hours	32
Independent study, hours	68
Total course duration in hours / credit units	100/3

1. Course outline

Corporate identity, its main elements and media. Theoretical concepts of design. Industrial design. Methods and means. Composition theory. Color theory. Ergonomics in Design Design.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

– basics of work in modern computer-aided design systems; know the basics of diagnostics of technological systems, diagnostic methods;

be able to**:**

– apply the acquired knowledge on industrial design based on own design solutions or borrowed ones; apply modern modeling methods, use industrial design elements;

to possess a skill:

– work on PC and other computer equipment; modern calculation systems; latest trends in industrial design.

3. Competencies

Master the basics of designing machinery mechanisms, technological equipment and technological processes of machine-building production. Know the main tasks and sequence of designing tool sections and workshops, methods for calculating the amount of equipment, rules for its location, design of auxiliary units of the tool workshop.

4. Requirements and forms of midcourse evaluation and summative assessment

– verbal-written: laboratory protection, test.