Design Management Automation
(course title)

COURSE SYLLABUS ABSTRACT

6-05-0611-01 Information systems and technologies
(speciality code and name)

Information systems and technologies in designing and producing
(concentration)

	STUDY MODE	
	full-time	part-time (shortened program)
Year	4	3
Semester	8	6
Lectures, hours	24	6
Laboratory classes, hours	24	6
Pass/fail, semester	8	6
Contact hours	48	12
Independent study, hours	114	150
Total course duration in hours / credit units	162/5	

1. Course outline
Product life cycle. PLM systems. Introduction to the PDM system. PDM system client applications. The work is completed in the PDM system. Product structure management in the PDM system. Additional features of the PDM system.

2. Course learning outcomes
Upon completion of the course, students will be expected to
know: modern PDM systems; principles of design process management;
be able to: deploy a PDM system; configure a PDM system; create computer models running a PDM system;
to possess a skill: skills of teamwork in the PDM system.

3. Emerging competencies
Master the basics of design processes of machine-building production.

4. Requirements and forms of current and interim certification
– verbal-written: laboratory protection, test.