

ADJUSTMENT AND DIAGNOSTICS OF THE ELECTRIC DRIVE

COURSE SYLLABUS ABSTRACT

1-53 01 05 «Automated electric drives»

	Форма получения высшего образования		
	Очная (дневная)	Заочная	Заочная сокращенная
Course	3	4	4
Semester	6	8	8
Lectures, hours	34	6	8
Laboratory studies, hours	50	10	14
Classroom examination (semester, hours)		2	
Examine, semester	6	8	8
Class hours in the academic discipline	84(6)	18	22
Independent work, hours	60	126	122
Total hours in academic discipline / credits	144/4,0		

1 Course outline

The purpose of the discipline "Adjustment and diagnostics of the electric drive" is to teach students how to set up modern automated electric drives, design and operate their diagnostic systems.

2 Course learning outcomes

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

- principles of building systems for diagnosing electric drives;
- methods and features of setting up automated electric drives;
- be able to:
 - choose a rational method and determine the main indicators for the diagnosis and adjustment of the main elements of the electric drive;
- possess:
 - skills in designing a system for diagnosing an electric drive and compiling a methodology for setting up and operating electric drives.

3 Competencies

Learning this academic discipline should ensure the formation of the following competencies:

Codes of generated competencies	Names of formed competencies
CK-15	Know modern complete electric drive systems, be able to select them for typical industrial mechanisms, know the methods of setting up and diagnosing automated electric drive systems and be able to apply them in practice

4 Requirements and forms of midcourse evaluation and summative assessment

Exam