

ELECTRICAL AND ELECTRONICS
(name of the discipline)

ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty Automotive

Direction of specialty 1-37 01 02 "Automotive industry (by directions)

| | Form of higher education | | |
|---|--------------------------|----------------|-------------------------------|
| | full-time (daily) | Correspondence | Correspondence abbreviated |
| Well | 3 | - | - |
| Semester | 6 | - | - |
| Lectures, hours | 48 | - | - |
| Practical (seminar) classes, hours | 16 | - | - |
| Laboratory classes, hours | 32 | - | - |
| Classroom examination (semester, hours) | - | - | - |
| Coursework, semester | - | - | - |
| Course project, semester | - | - | - |
| Report, semester | - | - | - |
| Exam, semester | 6 semester | - | - |
| Classroom hours per academic discipline | 96 | - | - |
| Independent work, hours | 74 | - | - |
| Total hours per academic discipline / credit units | 170/5 | | |

1. Brief content of the discipline:

- the purpose of the discipline is the theoretical and practical training of engineers in the automotive industry to such an extent that they can choose electrical devices, electronic and electrical measuring instruments, be able to operate them correctly, .

2. Learning outcomes:

- student must **know** : electrical laws, terminology, the principle of operation of basic electrical machines;
- student must **be able to** read electrical circuits, turn on electrical machines and devices;
- student must be **proficient in** methods for calculating electrical circuits, methods for choosing electrical equipment and motors.

3. Formed competencies (codes of formed competencies):

AK - 1, AK - 2, AK - 3, AK - 4, AK - 6, AK - 7, AK - 9, SLK - 5, SLK - 6, PC - 1, PC - 3, PC -12, PC - 4, PC - 5, PC - 6, PC - 7, PC - 8, PC - 11, PC - 13, PC - 35, PC - 36.

4. Requirements and forms of current and intermediate certification:

- protection of laboratory work, protection of settlement and graphic works, control work using a computer. When studying the discipline, the rating system module is used.