

INSTRUMENT DETAILS

(course title)

1

COURSE SYLLABUS ABSTRACT

Specialty 1 - 54 01 02 «Methods and devices for quality control and diagnostics of the condition of objects»

Specialty direction 1-54 01 02 «Non-destructive testing of materials and products»

Specialization _____

| | STUDY MODE |
|---|------------|
| | full-time |
| Year | 2 |
| Semester | 4 |
| Lectures, hours | 34 |
| Practical classes (seminars), hours | 16 |
| Credit, semester | 4 |
| Independent study, hours | 50 |
| Contact hours | 58 |
| Total course duration in hours / credit units | 108 / 3 |

1. Course outline

The curriculum of the discipline includes the following topics: basic terms and definitions, the design process, the design and calculation of joints, the design of supports and guides, the design of gears and transmission mechanisms, the design of elastic elements, the design of shafts, axles and couplings, the design of housing parts of devices

2. Course learning outcomes

After mastering the discipline, the student should be able to perform design work in the scope of various elementary mechanisms of devices.

2. Course learning outcomes

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|------|--|
| SK-1 | Be able to develop mechanisms, load-bearing structures, housings and body parts of devices and devices |
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4. Requirements and forms of midcourse evaluation and summative assessment

During the spring semester, an intermediate control of academic performance (PKU) is performed twice, including a survey in practical classes (O); performance of control works (CR); protection of individual assignments (ZIZ).

The current certification (TA) is carried out in the form of a credit.