

## EVM0040 MEASUREMENT DATA PROCESSING AND ANALYSIS

Learning outcomes:

Student knows the basic concepts of metrology, is able to plan and arrange measurement providing reliability of the results of measurement, on the basis of measurement data can evaluate the result of measurement and its uncertainty, knows measuring instruments metrological control methods, can decide on proper methods of data analysis, as well as interpret and present the results of the methods applied, can use at least one software of data processing and analysis.

METHOD OF ASSESMENT (All learning outcomes)	ASSESSMENT CRITERIA
<p>There are <b>2 auditory papers</b> during semester (if it is not fixed by the lecturer differently). Tasks of the papers are compiled on the basis of typical assignmentst of the practical works. Only one repeat work takes place, if need be.</p>	<p>All executed works are assessed by 100 points scale. Auditory paper is considered passed positively, if 51-100 points have been obtained. Tasks solving correctness is assessed in a paper.</p>
<p>Tests in Moodle environment (in all 2 tests, if it is not fixed by the lecturer differently).</p>	<p>Factors being assessed in a test are concepts, definitions and important properties of the objects of the course knowing. Test is considered passed positively, if 51-100 points have been obtained.</p>
<p><b>GRADE FORMATION</b> <b>The final grade</b> is formed as AWG by the points of papers (80%) and tests (20%).</p>	<p><b>“5”</b> (91 – 100% of the course volume) – student's knowledge is excellent: knows profoundly the main concepts, properties and methods relevant to the course and is able to solve typical tasks without mistakes; <b>“4”</b> (81 – 90% of the course volume) – student's knowledge is very good: knows the main concepts, properties and methods relevant to the course with small inaccuracies and is able to solve typical tasks with single inessential mistakes; <b>“3”</b> (71 – 80% of the course volume) – student's knowledge is good: knows the main concepts, properties and methods relevant to the course with some deficiencies and is able to solve typical tasks with single essential mistakes; <b>“2”</b> (61 – 70% of the course volume) – student's knowledge is satisfactory: knows partially the main concepts, properties and</p>

	<p>methods relevant to the course and is able to solve major typical tasks, but makes mistakes in answers;</p> <p><b>“1”</b> (51 – 60% of the course volume) – student's knowledge is sufficient: knows superficially the main concepts, properties and methods relevant to the course and is able to solve major typical tasks, but makes a lot of mistakes in answers.</p>
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