

LEARNING OUTCOME	METHOD OF ASSESSMENT	ASSESSMENT CRITERIA
<p><b>Learning outcome 1.</b> Acquires knowledge about steels and cast irons, their structures, properties and use.</p> <p><b>Learning outcome 2.</b> Gets overview of the main non-ferrous metals non-ferrous alloys.</p> <p><b>Learning outcome 3.</b> Knows system of metal materials symbols.</p> <p><b>Learning outcome 4.</b> Understands simple phase equilibrium diagrams of solid materials.</p> <p><b>Learning outcome 5.</b> Acquires elementary knowledge about basic non-metals (plastic, ceramics) and composite materials.</p>	<p>Written tests at exercise lesson.</p> <p>Three written tests at exercise lesson on the basis of the materials studied. Topics:</p> <ol style="list-style-type: none"> <li>1. Metal materials.</li> <li>2. Non-metals materials.</li> <li>3. Properties of the materials.</li> </ol>	<p>Distinctive assessment.</p> <p>“1” – knowledge are weak; answers are incorrect and noncommittal; the tasks have been partially solved.</p> <p>“2” – knowledge are poor; some answers are not correct and definite; not much examples on the materials properties and use; the tasks have been partially solved.</p> <p>“3” – knowledge are good; answers are definite, single in accuracies occur; the tasks have been solved, inessential mistakes occur.</p> <p>“4” – knowledge are very good; answers are detailed and definite, examples are given; the tasks have been solved, single in accuracies occur.</p> <p>“5” – knowledge are excellent; answers are detailed, definite and well-structured with examples; the tasks have been solved.</p>
<p><b>Learning outcome 4.</b> Understands simple phase equilibrium diagrams of solid materials.</p>	<p>Home tests.</p> <p>Two written tests: crystal lattices of metals; phase diagrams of metal alloys.</p>	<p>Non-distinctive assessment.</p> <p>Passed – 90% of correct answers; inessential mistakes occur.</p>
<p><b>Learning outcome 6.</b> Is able to solve simple problems concerning mechanical, electrical, optical and thermal properties of solid materials.</p>	<p>Laboratory works</p>	<p>Non-distinctive assessment.</p> <p>Passed: all practical works have been executed; the results of the works have been formed according to the requirements; the works have been defended.</p>

<p><i>Learning outcomes 1-6.</i></p>	<p>Exam (written part and conversation).</p> <p>Written exam includes theoretical questions and tasks.</p>	<p>Distinctive assessment.</p> <p>“1” – knowledge are weak; answers are incorrect and noncommittal; the tasks have been partially solved.</p> <p>“2” – knowledge are poor; some answers are not correct and definite; not much examples on the materials properties and use; the tasks have been partially solved.</p> <p>“3” – knowledge are good; answers are definite, single in accuracies occur; the tasks have been solved, inessential mistakes occur.</p> <p>“4” – knowledge are very good; answers are detailed and definite, examples are given; the tasks have been solved, single inaccuracies occur.</p> <p>“5” – knowledge are excellent; answers are detailed, definite and well-structured with examples; the tasks have been solved.</p> <p>Conversation: elaboration of the ambiguous answers of the written exam.</p>
<p><b>Admittance to the exam.</b> All auditory and home tests have been passed with positive grade; laboratory works have been executed, formed, submitted and defended.</p>		
<p><b>Formation of the final grade.</b> The final grade is formed on the control of the knowledge obtained during semester (60%) and the grade of the exam (40%).</p>		