

**Information sheet for the course**  
**Practical training in production and renovation technologies**

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>					
<b>Faculty:</b> <i>Faculty of special technology</i>					
<b>Course unit code:</b> <i>ŠST/B/3-35/d</i>			<b>Course unit title:</b> <i>Practical training in production and renovation technologies</i>		
<b>Type of course unit:</b> <i>compulsory</i>					
<b>Planned types, learning activities and teaching methods:</b> <i>laboratory seminars - 3 hours weekly</i>					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> <i>4<sup>st</sup> semester in the 2<sup>st</sup> year of study /full-time / 4<sup>st</sup> semester in the 2<sup>st</sup> year of study /part-time /</i>					
<b>Degree of study:</b> <i>I.</i>					
<b>Course prerequisites:</b> <i>none</i>					
<b>Assessment methods:</b> <i>100% attendance on seminars, successful submission of the seminar paper, proof of acquired knowledge from the subject with using oral and written examination</i>					
<b>Learning outcomes of the course unit:</b> <i>The student has a deep knowledge of the fundamental in disciplines of Engineering Technology such as casting, welding and cutting of materials.</i>					
<b>Course contents:</b> <i>Basic concepts, terminology and relationships in welding technology. Theoretical Foundations of welding and foundry processes. Metallurgical processes, welding flame, el. arc in inert gas atmosphere, resistance welding. Metallurgical processes during casting. Casting sand casting, centrifugal casting method TEKCAST, foundry casting, precision casting. Material cutting oxygen and plasma arc.</i>					
<b>Recommended of required reading:</b> <i>DILLINGER, J. a kol.: Moderní strojírenství pro školu i praxi. EUROPA-SOBOTÁLES cz, Praha 2007</i> <i>SLÁDEK, A. a kol.: Beztrieskové technológie I., EDIS Žilina 2000</i> <i>ANTALOVÁ, D., MĀSIAR. H.: TECHNOLÓGIA ZVÁRANIE - návody na cvičenia, TnU AD v Trenčíne, 2009</i> <i>BLAŠČÍK, F.: Technológia tvárnenia, zlievania a zvarania. Skriptá. Alfa, Bratislava 1986.</i> <i>MURGAŠ, M. a kol.: Technológia zlievarenstva. Skriptá, STU MTF Trnava, 2001.</i>					
<b>Language:</b> <i>Slovak, English</i>					
<b>Remarks:</b>					
<b>Evaluation history</b> <i>Total number of students being evaluated: 0</i>					
A	B	C	D	E	FX
0	0	0	0	0	0
<b>Lecturers:</b> <i>Ing. Daniela Antalová, PhD.</i>					
<b>Last modification:</b> <i>15.4.2014</i>					
<b>Supervisor:</b> <i>prof. Ing. Jiří Balla, CSc., guarantee of the study program "Special Mechanical Engineering Technology"</i>					