

**Information sheet for the course**  
**Immunology and diagnostic methods in immunology**

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>	
<b>Faculty:</b> <i>Faculty of Health Care</i>	
<b>Course unit code:</b> <i>ImVMIm/d</i>	<b>Course unit title:</b> <i>Immunology and diagnostic methods in immunology</i>
<b>Type of course unit:</b> <i>compulsory</i>	
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 3 hours weekly/39 hours per semester of study; full-time</i>	
<b>Number of credits:</b> 3	
<b>Recommended semester:</b> <i>1<sup>st</sup> semester in the 1<sup>st</sup> year (full-time)</i>	
<b>Degree of study:</b> <i>I (bachelor)</i>	
<b>Course prerequisites:</b> <i>none</i>	
<b>Assessment methods:</b> <i>Written or oral examination (50 score points)- for obtaining the particular grades it is necessary to achieve:</i> <i>at least 45 score points for the grade A</i> <i>at least 40 score points for the grade B</i> <i>at least 35 score points for the grade C</i> <i>at least 30 score points for the grade D</i> <i>at least 25 score points for the grade E</i>	
<b>Learning outcomes of the course unit:</b> <i>Student will acquire comprehensive information on basic diagnostic methods in clinical immunology following to theoretical principles of operation of the components of the immune system and their properties.</i>	
<b>Course contents:</b> <i>1. Direct and indirect methods of determining the infectious agent</i> <i>2. Description and principle of agglutination reactions</i> <i>3. Characteristics and Principles of precipitating reactions</i> <i>4. Characteristics of immuno-enzymatic reactions</i> <i>5. Characteristics of immunofluorescent reactions</i> <i>6. Immunoblots, immunoelectrophoresis</i> <i>7. Radioimmunoassay</i> <i>8. Functional tests of phagocyte system, incomplete antibodies, CRP</i> <i>9. Interpretation of serological results</i> <i>10. In vivo and in vitro tests for the diagnosis of allergic diseases</i>	
<b>Recommended of required reading:</b> <i>1. FERENČÍK M., ROVENSKÝ J., MAŤHA V, JENSEN-JAROLIM E. 2006. Imunológia a alergológia v základných heslách a termínoch. Slovak Academy Press, Bratislava, 2006, ISBN8089104827; 423 p.</i> <i>2. BUC, M: 2012. Základná a klinická imunológia, Veda, Bratislava, 2012, ISBN 9788022412353, 831 p.</i> <i>3. BUC M., BUCOVÁ M. 2006. Základná a klinická imunológia. Univerzita Komenského, Bratislava, 2006, ISBN 8022321516, 334 p.</i>	
<b>Language:</b> <i>Slovak</i>	
<b>Remarks:</b>	
<b>Evaluation history:</b> <i>Number of evaluated students: -</i>	

A	B	C	D	E	FX
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<b>Lectures:</b> <i>RNDr. Vladimír Meluš, PhD., MPH</i>					
<b>Last modification:</b> <i>22.4.2014</i>					
<b>Supervisor:</b> <i>Doc. MUDr. Jana Slobodníková, CSc.</i>					