

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

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Health Care</i>					
Course unit code: <i>ImVMIm/e</i>			Course unit title: <i>Immunology and diagnostic methods in immunology</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>Lecture: 3 hours weekly/39 hours per semester of study; full-time</i>					
Number of credits: 3					
Recommended semester: <i>2nd semester in the 1st year (part-time)</i>					
Degree of study: <i>I (bachelor)</i>					
Course prerequisites: <i>none</i>					
Assessment methods: <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>					
Learning outcomes of the course unit: <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>					
Course contents: <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>					
Recommended of required reading: <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>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history: <i>Number of evaluated students: -</i>					
A	B	C	D	E	FX

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Lectures: <i>RNDr. Vladimír Meluš, PhD., MPH</i>					
Last modification: <i>22.4.2014</i>					
Supervisor: <i>Doc. MUDr. Jana Slobodníková, CSc.</i>					