

## Information sheet for the course Pharmacology

<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>Far/d</i>	<b>Course unit title:</b> <i>Pharmacology</i>
<b>Type of course unit:</b> <i>compulsory</i>	
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 1 hour weekly/13 hours per semester of study; full-time</i>	
<b>Number of credits:</b> <i>2</i>	
<b>Recommended semester:</b> <i>3<sup>rd</sup> semester in the 2<sup>nd</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>During semester student can get 50 points</i> <ul style="list-style-type: none"> <li>- <i>Test (20 points)</i></li> <li>- <i>Oral examination (30 points)</i></li> </ul> For assesment A is necessary get at least 48 points, for B at least 44 points, for C at least 41 points, for D at least 38 points and for E minimum 35 points.	
<b>Learning outcomes of the course unit:</b> <i>After completing the course the student is able to:</i> <ul style="list-style-type: none"> <li>- <i>Define the basic concepts of pharmacology</i></li> <li>- <i>Explain the pharmacokinetic and pharmacodynamic principles</i></li> <li>- <i>explain the development of a new drug</i></li> <li>- <i>Explain the adverse drug reactions</i></li> <li>- <i>Compare the mechanisms of action of selected drugs</i></li> <li>- <i>discuss rational pharmacological treatment.</i></li> </ul>	
<b>Course contents:</b> <ol style="list-style-type: none"> <li>1. <i>Introduction to pharmacology – definition,</i></li> <li>2. <i>Basic principles of pharmacokinetic</i></li> <li>3. <i>Basic principles of pharmacodynamic</i></li> <li>4. <i>Adverse events of drugs</i></li> <li>5. <i>Drugs affecting autonomic nervous system</i></li> <li>6. <i>Drugs affecting smooth muscles</i></li> <li>7. <i>Drugs affecting heart</i></li> <li>8. <i>Treatment of anaemia</i></li> <li>9. <i>Antitrombotics</i></li> <li>10. <i>Treatment of digestive system</i></li> <li>11. <i>Pain treatment</i></li> <li>12. <i>Anti-infective therapy</i></li> <li>13. <i>Hormons, Cytostatics</i></li> </ol>	
<b>Recommended of required reading:</b> <ol style="list-style-type: none"> <li>1. <i>LULLMANN, H., MOHR, K., WEHLING, M. 2002. Farmakologie a toxikologie. Praha : Grada Publishing, 2002. 696s. ISBN 8071699764</i></li> <li>2. <i>LULLMANN, H., MOHR, K., ZIEGLER, A. 1994. Atlas farmakologie. Praha : Grada Publishing, 1994. 375 s. ISBN 80-7169-088-0.</i></li> <li>3. <i>HYNIE, S. 1999. Základy farmakologie. Triton, 1999. 368 s. ISBN 80-7254-048-3.</i></li> <li>4. <i>MASÁR, O., POKORNÝ, J. 2006. Základy farmakológie. Trenčín 2006. 88 s.</i></li> </ol>	
<b>Language:</b> <i>Slovak</i>	

<b>Remarks:</b>					
<b>Evaluation history:</b> <i>Number of evaluated students : 571</i>					
A	B	C	D	E	FX
13.31%	23.64%	21.89%	20.32%	19.09%	1.7%
<b>Lectures:</b> <i>prof. MUDr. Adriana Ondrušová, PhD.</i>					
<b>Last modification:</b> <i>22.4.2014</i>					
<b>Supervisor:</b> <i>doc. MUDr. Jana Slobodníková, CSc.</i>					