

Cell Biology

Short description of subject	<p>Cell Biology course covers 1 semester and 30 didactic hours.</p> <p>Lectures (15 h) are in weekly intervals during half of semester.</p> <p>Practical classes (15 h) are obligatory and are divided into theoretical and practical parts.</p> <p>Students gain knowledge about ultrastructure organization of the cell and function of cell organelles.</p> <p>Detailed rules of the classes and work safety will be demonstrated during the first class.</p> <p>Detailed description of topics are available in Syllabus.</p>
Necessary requirements for practicals	<p>Medical apron is required for practical classes. Students should be prepared for coming class</p>
Location	<p>Lectures are in Lecture hall A – Collegium Veterinarium</p> <p>Practicals are in laboratory no 401 – Collegium Veterinarium</p>
Person responsible and Dept	<p>Collegium Veterinarium, room no. 429</p> <p>krzysztof.puk@up.lublin.pl</p> <p>Department of Fish Diseases and Biology, Faculty of Veterinary Medicine</p>
Schedule	<p>Lectures:</p> <ol style="list-style-type: none"> 1. Introduction to the cell 2. Molecular mechanisms of membrane transport 3. Basic genetic mechanisms 4. Cell cycle 5. Movement 6. Energy conversion 7. Cell signaling 8. Ways of working with cells <p>Classes:</p> <ol style="list-style-type: none"> 1. Prokaryotic and eukaryotic cells 2. Cell membrane 3. Nucleus 4. Cell death 5. Cytoskeleton 6. Mitochondria 7. Visualizing cells 8. Written test
Didactic materials	<p>Pdf files with lecture materials</p> <p>Books:</p> <ol style="list-style-type: none"> 1. Molecular Biology of the Cell: Bruce Alberts, Alexander Johnson, Julian Lewis, David Morgan, Martin Raff, Keith Roberts, Peter Walter 2. Biology: Neil A. Campbell, Jane B. Reece, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson

