

Title	Cell biology		
Code	3NT20NAK15M		
Prerequisites			
Description	During the course students are led into the structure and evolution of plant, animal and fungal cells. We focus the attention on the structure and function of those cell organelles that are not discussed in details in any other courses, i.e. the cell wall, cytoskeleton, endomembrane systems and the structures of cell adhesion. Beside theoretical issues, different methods of cell biology are described, such as microtechnique, special features, types and application of optical and electron microscopy. Furthermore, the basic methods are also applied in practice, as well.		
Lecturer	Dr. Zsolt Erős-Honti, Kissné dr. Bába Erzsébet PhD, Szegő Anita PhD		
Semester	1st, fall	Contact hours/week	1+2
Level	MSc	ECTS	3
Teaching and Learning Methods:			
Reading:	<p>Compulsory literature:</p> <p>Zs. Erős-Honti (2013): Citology. In: Éva Zámoriné Németh, Szilvia Sárosi, Levente Horváth: Modern Horticulture. Corvinus University of Budapest, Faculty of Horticultural Science. http://kertesztananyag.hu/botany/plant-cell-citology ISBN: 978-963-503-552-6</p> <p>Recommended literature:</p> <p>Lodish H, Baltimore D, Berk A (1995): Molecular Cell Biology. Sidney W H Freeman & Co. ISBN: 0716723808</p>		
Assessment:	<ul style="list-style-type: none"> • self-made presentation in a chosen topic in Cell Biology and making laboratory notebooks • exam 		