

General Information			
Course name and code	Light and Electron Microscopy Techniques ÚBEV/MEM1/99	ECTS Credits	3
		Semester	1st (Winter) Bachelor Degree
Aims			
<p>The aim of the subject is to provide the students with the methods used in light and electron microscopy on the theoretical as well as the practical level.</p>			
Contents			
<p>Specimen preparation for microscopy. Fixation. Embedding. Sectioning. Staining. Immunohistochemistry/immunofluorescence.</p> <p>Light microscope. Fluorescent Microscope. Confocal Microscope. Electron microscope: transmission and scanning electron microscopy.</p>			
Evaluation			
Oral exam			
Bibliography			
<p>Bancroft, J. D., Steven, A.: Theory and practice of Histological Techniques. Churchill Livingstone, 1977.</p> <p>Hibbs, A.R.: Confocal Microscopy for Biologists: An Intensive Introductory Course, 3rd Edition, 2000, BIOCON, Ringwood East, Australia.</p> <p>Wischnitzer, S.: Introduction to Electron microscopy. Cambridge University Press, 1982 Internet sources.</p>			