

General Information			
Course name and code	Human Genetics ÚBEV/GC1/01	ECTS Credits	5
		Semester	2nd (Summer) Master & Doctoral Degree
Aims			
To provide students with a basics of human genetics, with the role of genetic factors in pathologic processes, with the inheritance, diagnostics and treatment of genetic disorders.			
Contents			
<p>The genetic basics of physiological variability and pathological traits of individuals; the patterns of inheritance and pedigree problem solving; the basic methods used in human genetics - genealogy, linkage analysis and the gene mapping, cytogenetic analysis and karyotyping, the DNA diagnosis of pathological traits and treatment of genetic disorder.</p> <p><b>Prerequisites: Genetics, Molecular Biology</b></p>			
Evaluation			
Test and oral examination.			
Bibliography			
<p>Thompson JS, Thompson MW (2001): Genetics in Medicine 6/e. W.B.Sounders Company, Philadelphia, Pennsylvania, USA</p> <p>Lewis R (2010) Human Genetics: Concepts and Applications, 9th Edition, McGraw-Hill, New York</p>			