THEMATICAL PLAN OF LECTURES		
№	**Topic**	**Hours**
1.	What is medical genetics? Classification of genetic disease. The impact of genetic diseases.	2
2.	Organisation of human genome. Mutations as cause of genetic disorders and polymorphism.	2
3.	DNA - analysis - diagnostic method for genetic disorders.	2
4.	Haemoglobinopathies.	2
5.	Inborn errors of metabolism.	2
6.	Chromosome disorders.	2
7.	Multifactorial disorders – common disorders and congenital anomalies.	2
8.	Dysmorphology. Congenital anomalies – basic terms, types and clinical significance.	2
9.	Unusual pattern of inheritance. Clinical significance and examples.	2
10.	The genetic heterogeneity of single-gene disrorders.	2
11.	Immunogenetics. Inherited immunodeficiency disorders.	2
12.	Prenatal screening programs for prevention of congenital anomalies. Maternal serum screening	2
13.	Prenatal diagnosis	2
14.	Genetic counseling.	2
15.	Cancer genetics.	2