

In the name of GOD

Human Genetics course (for International M.Sc. students) -3 units

Course coordinator: Dr. Pantea Izadi Second semester 1402 Wednesday 13.30-16.30 Class no. 2

No.	Date	Topic	Professor
1	1402/11/ 18 (7 Feb. 2024)	An Introduction to human genetics	Dr. Pantea Izadi
2	<i>Fix the time with Prof.</i>	Human genome structure (from chromosome to genes), organization, function, mutation	Dr. Pantea Izadi
3	1402/11/25 (14 Feb. 2024)	Monogenic inheritance patterns, autosomal recessive and dominant, related diseases	Dr. Ali Rashidinejad
4	1402/12/2 (21 Feb. 2024)	Sex-linked inheritance patterns, related diseases	Dr. Akrami
5	1402/12/9 (28 Feb. 2024)	Genetic risk assessment in pedigree, coefficient of relationship	Dr. Ali Rashidinejad
6	1402/12/16 (6 March. 2024)	Extra nuclear genetics and mitochondriopathies	Dr. Ali Rashidinejad
7	1402/12/23(13 March. 2024)	Multifactorial inheritance, related diseases	Dr. Pantea Izadi
8	1403/1/15 (3 April 2024)	Principals & applications of gene therapy	Dr. Ali Rashidinejad
9	1403/1/29 (17 April 2024)	Immunoglobins' genes, genetic diversity for antibodies	Dr. Nourbakhsh(Immunology Department)
10	1403/2/5 (24 April 2024)	Compliment system and its relationship to disease	Dr. Izad (Immunology Department)
11	1403/2/12 (1 May 2024)	Cytokines, genes and related diseases	Dr. Mohammadi (Immunology Department)
12	1403/2/19 (8 May 2024)	Epigenetics and human diseases	Dr. Pantea Izadi
13	1403/2/26 (15 May 2024)	Genetics of metabolic disorders	Dr. Pantea Izadi
14	1403/3/2 (22 May 2024)	Principals of genetic counseling, genetic testing & genetic diagnosis	Dr. Pantea Izadi
15	1403/3/9 (29 May 2024)	Screening of genetic diseases	Dr. Pantea Izadi
16	1403/3/16 (5 June 2024)	Congenital anomalies & teratogens	Dr. Pantea Izadi
17	1403/3/23 (12 June 2024)	Chromosomal disorders	Dr. Pantea Izadi
18	According to the department exam calendar	Final exam	Dr. Pantea Izadi