



**Second semester of 1401-1402**  
**School of medicine                      Department of Medical Genetics**  
**For foreign Dentistry students**

**Course title: Medical genetics              Number of units: 2**  
**Date and time: Tuesday 8-10**

**Place:**

**Person in charge: Dr.Ali Zekri**

No	Lecture Topic	Date	Time	Lecturer
1	The history of genetics in medicine	01/12/2	8-10	Dr. Zekri
2	Mendelian inheritance and the Laws of Probability	01/12/9	8-10	Dr.Zekri
3	Cell cycle	01/12/16	8-10	Dr. Zekri
4	Single gene disorders - Autosome	01/12/23	8-10	Dr.Teimourian
5	Single gene disorders - X link	02/1/15	8-10	Dr.Teimourian
6	Cytogenetics and banding	02/1/22	8-10	Dr.Abiri
7	Chromosomal disorders (numerical-structural)	02/1/29	8-10	Dr. Teimourian
8	Genetic engineering for genetic disease	02/2/5	8-10	Dr.Mojbafan
9	Mutations/Repair mechanism and their impacts	02/2/12	8-10	Dr. Abiri
10	Polygenic and multifactorial inheritance (Dental)	02/2/19	8-10	Dr.Khakpour
11	Prenatal and postnatal diagnosis of genetic disorders (PGD, PND)	02/3/2	8-10	Dr.Akouchakian
12	Gene therapy and examples	02/3/9	8-10	Dr. Talebi
13	Pharmacogenetics (Dental)	02/3/16	8-10	Dr.Akouchakian
14	Cancer genetics (Oral Cancer)	02/3/23	8-10	Dr.Khakpour
15	Biochemical genetics (Dental)	02/3/30	8-10	Dr.Talebi
16	Mechanisms of genetic disorders (Dental)	02/4/6	8-10	Dr. Mojbafan
17	Review and seminars	02/4/13	8-10	Dr.Zekri
	Final Exam			

منابع:

**References:**

1. Elements of Medical Genetics, A.E.H. Emery & R.F.Mueller (Last edition)
2. Thompson and Thompson Genetics in Medicine (Last edition)