Module title: Advanced Cytogenetic

Module Code: 2222742

Module Credit: 2

Term: Second Term 1397-98

Lecturer: Dr. M. Kordi Tamandani
Dor_kordi@yahoo.com

Lecturing time: Mon. (7:30-9:30)

Assessments: 30% mid-term exam
50% final exam
20% Seminars

Class attendance: Regular Attending is Important and Each Session Your Attendance Will be Checked
References:  

**Human molecular genetics** (4th Edition)

Authors: Tom Strachan, Andrew Read

**Emery & Rimoin’s principles and practice of medical genetics** (6th Edition)
Module Subjects:

1<sup>st</sup>. and 2<sup>nd</sup>. and 3<sup>th</sup>. Week: Chromosome structure and function (Chapter 2 from Human molecular genetics)

4<sup>th</sup>. and 5<sup>th</sup>. and 6<sup>th</sup>. Week: Techniques for Prenatal Diagnosis (Chapter 26 from Emery & Rimoin’s principles and practice of medical genetics)

7<sup>th</sup>. Week: Mid-term Exam,

8<sup>th</sup>. and 9<sup>th</sup>. and 10<sup>th</sup>. Week: Autosomal Trisomies (Chapter 43 from Emery & Rimoin’s principles and practice of medical genetics)

11<sup>th</sup>. and 12<sup>th</sup>. and 13<sup>th</sup>. Week: Sex-Chromosome Abnormalities (Chapter 44 from Emery & Rimoin’s principles and practice of medical genetics)

14<sup>th</sup>. and 15<sup>th</sup>. Week: Deletions and Other Structural Abnormalities of the Autosomes (Chapter 45 from Emery & Rimoin’s principles and practice of medical genetics)

16<sup>th</sup>. Week: Preparation for Final Term Exam