

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:

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

4rd. and 5th. and 6th. Week: Techniques for Prenatal Diagnosis (Chapter 26 from Emery & Rimoin's principles and practice of medical genetics)

7th. Week: *Mid-term Exam,*

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

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

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

16th. Week: Preparation for *Final Term Exam*