

Module title: Immunogenetics

Module Code: 2222750

Module Credit: 2

Term: Second Term 1397-98

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

Lecturing time: Sun. (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:

Cellular and Molecular Immunology (9th Edition)

Authors: Abul Abbas Andrew H. Lichtman Shiv Pillai

AID for Immunoglobulin Diversity (Advances in Immunology) (Volume 94, 1st Edition)

Editors: Frederick W. , Tasuku Honjo

Transplantation Immunology, Methods and Protocols

Editors: Hornick, Philip (Ed.)

Module Subjects:

1st. and 2nd. Week: Introduction to the Immune System (Humoral and Cellular Immunity)

3rd. and 4th. Week: Genomic Organizing of Leukocyte Antigens

5th. and 6th. Week: Antigen Detecting Molecules (Primary and Secondary)

7th. and 8th. Week: The Molecular Basis of Immune Cell Function

9th. and 10th. Week: Molecular Biology of Complement System and Complement Receptors

11th. Week: *Mid-term Exam,*

12th. and 13th. Week: Immunochemical Products (Cytokines and Growth Factors)

14th. and 15th. Week: Stem cells and immunity

16th. Week: Congenital Immunodeficiencies, Preparation for *Final Term Exam*