



Immunology	
Title: Immunology.	
Course number: 312 PHT	
Semester: Fifth Semester (Third Year).	
Duration: 2 + 1 Units (4 contact hours) per week.	
Aims: To provide detailed knowledge on immunology, function and clinical significance of the immune system and clinical immunology.	
Objectives: At the end of the course the student should understand immunology and clinical immunology.	
Contents: This course includes basic concepts of immunology, immunopathology, immunopharmacology and immunotherapy. Clinical significance of the immune system, tolerance autoimmunity, hypersensitivity disorders, immunodeficiency and transplantation. Clinical immunology, serology, the effects and outcomes of drugs and drug therapy and their impact on the immune system and their clinical applications.	
Minimum course requirements: 30 (2 x 15) Unit lectures and 30 practical hours (2 x 15) per level.	
Evaluation methods:	
-Quizzes	10%
- Mid term examination	25%
- Practical examinations	25%
- Final examination (written)	40%
Text Books (latest editions):	
1- Immunology, Ivan Roitt and David Male, Mosby Saint Louis Baltimore, Boston.	



2- Clinical Immunology, John Bradley, James McCluskey.

Recommended books (latest editions):

- 1- Practical Immunology, Leslie Hudson, Frank Hay, Olwyn Westwood.
- 2- Immunology, Janis Kuby, Thomas J. Kindt, Barbara Osborne and Richard A. Goldsby.
- 3- Basic and Clinical Immunology, Mark Peakman, Diego Vergani
Churchill Living stone.
- 4- Clinical Immunology Principles and Practice, vol. 1 and 2, Thomas A. Fleisher, Benjamin D. Schwartz, William T. Shearer and Warren Strober.
- 5- Clinical Immunology and Serology: A Laboratory Perspective, Christine Dorresteyn Stevens.
- 6- An Introduction to Clinical Immunology and Serology, Francis K. Widmann and Carole A. Itatani.
- 7- Clinical Immunology and Serology, Stevens.