

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Immunology
Course number	BIOL4372
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - To understand an introduction to Immunology, innate & specific immunity, complement, antigens, immunoglobulin structure & function, immunoglobulins isotypes, Allotypes & idiotypes.
- 2 - To learn Antigen-antibody Reaction.
- 3 - To learn antibody formation Major histocompatibility complex, cytokines & immunoregulation, cell-cell interaction in specific immune responses, immunization

Course Contents

- 1 - Introduction to Immunology, innate & specific immunity
- 2 - complement, antigens, immunoglobulin structure & function
- 3 - immunoglobulins isotypes, Allotypes & idiotypes
- 4 - Antigen-antibody Reaction. Antibody formation Major histocompatibility complex, cytokines & immunoregulation
- 5 - cell-cell interaction in specific immune responses, immunization

Teaching and Learning Methods

- 1 - Lectures
- 2 - Practical demonstration
- 3 - Revision and Discussion sections

Teaching and Learning Methods for the Disabled Students

- 1 - Will be treated and addressed individually according to the type of disability.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Midterm exam	60minutes	20
Practical part	30minutes	20
Attendance, participation and quizzes		10
final exam	120minutes	50

Books and References

Essential books	Delves, Peter J., et al. Roitts essential immunology. Vol. 20. John Wiley & Sons, 2011.
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