

Nom EES : University of Farhat Abbès, Setif 1 Department : Biochemistry
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MATTER SYLLABUS (to be published on the institution's website)
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In-depht immunology

TEACHER OF MAGISTRIAL COURSE		MESSAOUDI Dalila			
		Student reception per week			
Email	messaoudidalila79@univ-setif.dz	Day:	Sunday	hour	12h30
Office Tel	/	Day :	Tuesday	hour	12h30
Tel Secretariat	/	Day :	/	hour	/
Other	/	Building :	SNLF	Office	B16

TUTORIALS

(Student reception per week)

[illegible]

PRACTICAL WORK (Student reception per week)

[illegible]

COURSE DESCRIPTION	
Objective	This training aims to deepen the fundamental bases of modern immunology and to prepare for immunology specializations. The topics covered concern the fundamental bases of modern immunology essential to the understanding of the immune system as an integrated system but also address the fundamental concepts of immunology.
Teaching unit type	Fundamental
Succinct contents	<ol style="list-style-type: none"> 1. Introduction: General organization of the immune system 2. Compartmentalization of the immune system 3. Reminders of natural and acquired immunity 4. Inflammatory reactions 5. Structure, role and function of TLRs 6. Mucosal immune system 7. Structure of MHC molecules and methods of antigen presentation 8. Selection of repertory T 9. Differentiation and T ontogeny 10. Cellular cooperation during immune responses <ol style="list-style-type: none"> a. Antigen Presenting Cells/T Cells b. T Cells / B Cells 11. Mechanisms of B lymphocyte maturation 12. Structure of antigen receptors (TCR and BCR) 13. Organization and expression of Ig and TCR genes 14. Activation of lymphocytes (Signal transduction via TCR and BCR) <ol style="list-style-type: none"> a. Antigen presentation to T cells b. T cell signaling and activation 15. Antigen presentation to B cells 16. B cell signaling and activation 17. Immunology of pregnancy 18. Aging and the immune system 19. Regulation of the immune system 20. Role of apoptosis in the homeostasis of the immune system 21. Feto-maternal tolerance, 22. Immuno-endocrine interactions
Matter credits	8
Matter Coefficient	4
Participation weighting	/
Attendance weighting	/
Average calculation C.C	/
Targeted skills	Know how to use the information given to discuss and answer questions

EVALUATION OF CONTINUOUS KNOWLEDGE CONTROLS							
FIRST KNOWLEDGE CONTROL							
Day	Seance	Duration	Type (1)	Doc allowed (Yes, No)	Scale	Exchange after evaluation (date Consult. copy)	Evaluation criteria (2)
SECOND KNOWLEDGE CONTROL							
Day	Seance	Duration	Type (1)	Doc allowed (Yes, No)	Scale	Exchange after evaluation (date Consult. copy)	Evaluation criteria (2)

						copy)	

(1) Type : W= written, IP= individuel presentation, PC=Presentation in classroom,
EX=experimentation, QCM

(2) Evaluation criteria:A=Analyse, S= synthesis,AR=argumentation, G= gait, R=results

USED EQUIPMENT AND MATERIALS	
Platform addresses	
Applications names(Web, local network)	
Course support	
Laboratory materials	
Protective materials	
Field exit materials	

EXPECTATIONS	
Student expectations (Participation-implication)	Participation/Calm and Assistance
Teacher expectations	Smooth running of the course and understanding of the students

BIBLIOGRAPHY	
Books and digital resources	Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai. Cellular and Molecular Immunology, 2012 , seventh edition. ELSEVIER Saunders. United States of America
Papers	
Course support	Messaoudi D. (2018). Cours d'immunologie approfondie. Polycopié validé par le comité scientifique du département de biochimie. UFAS
Websites	

Department's damp stamp