

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Special topics
Course number	AMSL4238
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - This is an elective course
- 2 - The title of the course in the first semester (2015-2016) was Blood Cell Morphology
- 3 - The aim of the course was to identify and differentiate between the different hemopoietic and non hemopoietic cells in the peripheral blood and Bone Marrow
- 4 - Identify and describe classic morphologic characteristics at each stage of maturation for RBCs, granulocytes, monocytes, lymphocytes, and platelets
- 5 - Use hematology terminology to describe and interpret blood films and bone marrow films
- 6 - Given a Wright stained blood film or BM films, relate smear finding to common hematological disorders

Course Contents

- 1 - How to identify blood cells
- 2 - Erythropoiesis Morphology
- 3 - Granulopoiesis Morphology
- 4 - Monopoiesis Morphology
- 5 - Lymphopoiesis Morphology
- 6 - Megakaryopoiesis Morphology
- 7 - Nonhemopoietic cell Morphology
- 8 - Comparative Morphology
- 9 - Flowcytometry

Teaching and Learning Methods

- 1 - Theory Lectures Once a week
- 2 - Teaching Microscope practical sessions two hours a week

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Theory Midterm Exam	After the second month	20
Practical Midterm exam	after the second month of the semester	20
Final practical and theoretical Exam	End of the semester	50
Attending the practical sessions		10

Books and References

Essential books	Anderson Atlas of Hematology 2ed, 2014 2ed, 2004 ,Thieme -Color Atlas of Hematology Practical Microscopic and Clinical Diagnosis
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