

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Practical Hematology and Blood banking
Course number	BIOL3170
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

- 1 - To understand blood draining preparation and preservation of serological specimens,
- 2 - To learn blood film examination (preparation of staining, differential leucocytes count, blood count by haemocytometer, hemoglobin determination by Sahli and cyanomethoglobine methods.
- 3 - To learn ESR, CBC, blood grouping, comps test, clotting time, and blood transfusion and cross matches

Course Contents

- 1 - Blood draining preparation and preservation of serological specimens
- 2 - blood film examination (preparation of staining, differential leucocytes count
- 3 - blood count by haemocytometer
- 4 - hemoglobin determination by Sahli and cyanomethoglobine methods
- 5 - ESR
- 6 - CBC
- 7 - blood grouping
- 8 - comps test
- 9 - clotting time
- 10 - blood transfusion and cross matches

Teaching and Learning Methods

- 1 - Discussion
- 2 - Practical demonstration

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>
Reports		10
Midterm exam	60 min	20
Attendance, participation and quizzes		20
final exam	60 min	50

Books and References

Course note	practical haematology and blood banking, 2002. By Saleh Mwafy
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