Republic of Yemen

Ministry of Higher Education & Scientific Research

21 SEPTEMBER UNIVERSITY for MEDICALS & APPLIED SCIENCES

Faculty of Medicine

Bachelor Program of Medicine and Surgery

Course Specification of

Haemato-lymphatic System

Course Code. (A21P221)

2023

T4: This Template is Developed and Approved by CAQA-Yemen, 2023

Prepared by:	Reviewed by:	Head of department	Quality Unit:	Dean of Medicine Faculty	Center of Development and Quality Assurance Dean
Dr. Ahmed Hudna	Dr. Ghamdan al-Tahesh		Dr. Fadhl Shujaa Al-deen	Dr. Salwa Al-Ghomeri	

I. General Information:

1.	Course Title:	Haemato-lymphatic System				
2.	Course Code:	A21P221				
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	
			Lecture	Tutorial/ Seminar	Lab	Clinical
		5	4	--	2	--
4.	Level/ Semester at which this Course is offered:	2nd Level / 2nd Semester				
5.	Pre –Requisite (if any):	Physiology, Biochemistry, Anatomy Histology, Pathology and Pharmacology.				
6.	Co –Requisite (if any):	None				
7.	Program (s) in which the Course is Offered:	Bachelor of Medicine and surgery				
8.	Language of Teaching the Course:	English				
9.	Location of Teaching the Course:	Faculty of Medicine				
10.	Prepared by:	Dr. Ahmed Hudna				
11	Date and Number of Approval by Council:	2023				

II. Course Description:

The aim of blood course is to provide students with major basic and clinical concepts related to blood. Blood course introduces information about many topics including hematopoiesis, functions of blood components, hemostasis, causes, clinical features, diagnosis, treatment and prognosis of

blood diseases. These topics will be covered by physiology, pathology, pharmacology, microbiology, medicine and pediatrics.

III. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs		
A. Knowledge and Understanding:		**I, P or M/A**		
a1	Explain the various constituents of blood, their function, hematopoiesis, hemostasis, blood groups and cross matching.	**I**	**A1**	Describe the general and basic sciences related to human body structure and functions with emphasis on normal and abnormal conditions.
a2	Describe infectious diseases such as bacteria, malaria, leishmania, and toxoplasmosis	**A**	**A3**	Explain the pathological and pathogenesis changes in various diseases, and their etiological triggers including genetic, developmental, infectious, metabolic, endocrinal, autoimmune, neoplastic, traumatic, degenerative and occupational factors.
B. Intellectual Skills:				
b1	Distinguish between physiological and pathological performance of body cells.	**I**	**B1**	Compare between normal and abnormal conditions and predict the appropriate treatment or intervention.
b2	Integrate the clinical features with laboratory data to recognize and classify common blood disorders.	**P**	**B2**	Analyze and interpret the finding from history, clinical examination and investigations to propose a diagnosis and develop a shared management plan for common acute, chronic and urgent physical and mental health presentations.

	C. Professional and Practical Skills:			
c1	Practice medical history taking, physical/clinical examination and laboratory investigations for common blood disorders.	**P**	**C1**	Perform complete clinical examination and precise investigations to reach the final diagnosis.
c2	Demonstrate the normal and abnormal blood cells and blood parasites in common blood disorders	**A**	**C3**	Carry out routine medical procedure and demonstrate the ability of using common medical tools required for diagnosis and management with highly qualified competency.
	D. Transferable Skills:			
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.	**P**	**D1**	Communicate with professionals, patients, their families and the community through verbal, written and other non-verbal means.
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.	**A**	**D2**	Work individually or in a team and develop lifelong learning using up to date technology that help in understanding the diseases and its control and prevention.
I= Introduced, P=Practiced or M/A= Mastered/Advanced				

(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:			
	Course Intended Learning Outcomes	**Teaching Strategies**	**Assessment Strategies**
a1	Explain the various constituents of blood, their function, hematopoiesis, hemostasis, blood groups and cross matching.	▪ Interactive lectures ▪ Discussion ▪ Office hours ▪ Self-learning	▪ Quizzes ▪ Final written exam ▪ Oral discussion

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a2	Describe infectious diseases such as bacteria, malaria, leishmania, and toxoplasmosis	▪ Interactive lectures ▪ Discussion ▪ Case studies ▪ PBL ▪ Office hours ▪ Self learning	▪ Quizzes ▪ Final written exam ▪ Oral discussion

(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
b1	Distinguish between physiological and pathological performance of body cells.	▪ Interactive lectures ▪ Seminars ▪ Discussion ▪ Case studies	▪ Final written exam ▪ Final practical exam ▪ Oral discussion
b2	Integrate the clinical features with laboratory data to recognize and classify common blood disorders.	▪ Interactive lectures ▪ Seminars ▪ Discussion ▪ Case studies	▪ Final written exam ▪ Final practical exam ▪ Oral discussion

(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
c1	Practice medical history taking, physical/clinical examination and laboratory investigations for common blood disorders.	▪ Lab experiments ▪ Case studies ▪ PBL	▪ Final practical exam ▪ OSPE
c2	Demonstrate the normal and , abnormal blood cells and blood parasites in common blood disorders	▪ Case studies ▪ PBL	▪ Final practical exam ▪ OSPE

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d1	Use the information	▪ Seminars	▪ Oral discussion

	technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.	▪ Discussion ▪ Case studies ▪ Self-learning ▪ PBL	▪ Homework ▪ Teamwork
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.	▪ Seminars ▪ Discussion ▪ Case studies ▪ Self-learning ▪ PBL	▪ Oral discussion ▪ Homework ▪ Teamwork

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due	Learning Outcomes (CILOs)
1	Physiology	Introduction & general functions	2	1st,2nd, 3rd, 4th	a1, a2, b2 d1,d2
		Red blood cells: production, formation of Hb & destruction.	2		
		Blood groups, Rh factor & cross matching.	2		
		Haemostasis & blood coagulation	2		
		Leukocytes, granulocytes, the monocyte - macrophage system (functions)	2		
2	Pathology	Cellular elements of blood & bone marrow.	2	1st,2nd, 3rd, 4th,	a1, a2, b1, d1,d2
		Stem Cell Disorders: •Classification •Aplastic anemia. •Myeloproliferative disorders. •Polycythemia.	2		

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due	Learning Outcomes (CILOs)
		Leukemias: •Acute leukemias. •Chronic leukemias.	4		
		Anemia: •Classification. •Nutritional anemia: Iron deficiency & megaloblastic anemia. •Hemolytic anemia: Hereditary hemoglobinopathies (sickle cell anemia) & thalassemias, hereditary spherocytosis, G6PD deficiency & immune hemolytic anemia.	6		
		Bleeding Disorders: •Classification.	2		
		•Investigations Disorders of lymphoid tissues: •Reactive conditions. •Non-Hodgkin's Lymphomas. •Hodgkin's Disease •Multiple myeloma	4		
3	**Microbiology**	Bacterial Infections •Epidemic / endemic typhus. •Q fever	2	2nd, 3rd, 4th,	a2,d1, d2
		Malaria	2		
		Leishmania	2		
		Filarisis	2		
		Toxoplasmosis/Trypanosome	2		
4	**Pharmacology**	Anticoagulants & fibrinolytics	2	2nd, 3rd,	a2, d1,

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due	Learning Outcomes (CILOs)
		Treatment of Nutritional Anemia (Iron & vitamins therapy)	2	4th,	d2
		Antimalarial agents	2		
		Anticancer drugs	2		
		Treatment of Leishmaniasis, Treatment of Filariasis	2		
		Treatment of Toxoplasmosis & Trypanosomiasis	2		
5	**Medicine**	**Clinical picture, diagnosis, treatment & prognosis of:** Anemia & pancytopcnia in adults. Idiopathic thrombocytopenic purpura	2	2nd, 3rd, 4th,	a1, a2,b1,b2, d1,d2
		Neoplastic disorders: a: lymphomas b: Leukemia. c: Myeloma.	2		
		Malaria Filariasis Leishmaniasis B.M. aspiration & biopsy (Importance in diagnosis of blood diseases) B.M transplantation Precautions & Reactions of Blood transfusion	4		

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due	Learning Outcomes (CILOs)
6	**Pediatrics**	**Clinical picture, diagnosis, treatment & prognosis of:** Nutritional anemia (Iron deficiency & Megaloplastic). Aplastic anemia. Hemolytic anemias. Bleeding disorders.	4	2nd, 3rd, 4th,	a1, a2,b1,b2, d1,d2
		Leishmaniasis. Congenital Toxoplasmosis	2		
7	**Final Theoretical Exam**	All topics	2	5th	a1,a2, b1,b2,
Number of Weeks /and Units Per Semester			**68**	**5**	

B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	**Physiology:** Separation of blood Measurement of hemoglobin Blood groups Bleeding time , clotting time	1st,2nd, 3rd, 4th	8	b1,b2,c1,d2,
2	**Pathology:** Normal and abnormal red blood cells & Platelets Normal and abnormal white blood cells Blood films and bone marrow aspiration for different types of anemia Blood films and bone marrow aspiration for different	1st,2nd, 3rd, 4th	14	b2,c1,c2, d2

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	types of leukemia Blood films and bone marrow aspiration for different types of lymphoid tissues disorders			
3	**Microbiology:** Blood parasites (Malaria , Leishmania , Filaria, Trypansoma)	2nd ,3rd, 4th	6	b1,b2,c1,c2 ,d2
4	**Final practical exam**	5th	2	b1,b2,c1,c2,d1,d2
Number of Weeks /and Units Per Semester		**5**	**30**	

V. Teaching Strategies of the Course:

- Interactive lectures
- Discussion
- Case studies
- Seminars
- PBL
- Office hours
- Self-learning
- Lab experiments

VI. Assessment Methods of the Course:

- Quizzes
- Final written exam
- Final clinical exam
- Final practical exam
- OSPE
- Oral discussion

- Homework

VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	**Quizzes**	2nd	5	5%	a1,a2, b1,b2
2	**Oral desiccation & Homework**	3rd	15	15%	a1,a2,b1,b2,d1, d2
3	**Final Practical Exam & OSPE**	5th	30	30%	b1,b2,c1,c2
4	**Final Theoretical Exam**	5th	50	50%	a1,a2, b1,b2
Total			**100**	**100%**	

IX. Learning Resources:

1- Required Textbook(s):

1- S Standring, 2016, Gray's Anatomy: The Anatomical Basis of Clinical Practice, 41st Edition, Elsevier.

2- K E Barrett, S M Barman, S Boitano, H L Brooks, 2015, Ganong's Review of Medical Physiology, 25th Edition, New York, McGraw-Hill Medical Education.

3- L Junqueira, J Carneiro, 2005, Basic Histology. Text and Atlas, 11th Edition, New York, McGraw-Hill Medical.

4- R Goering, H Dockrell, M Zuckerman, P Chiodini, 2019, Mims' Medical Microbiology and Immunology, 6th Edition, Edinburgh, Elsevier.

5- V Kumar, A Abas, J Aster, 2017, Robbins Basic Pathology, 10th Edition, Elsevier.

6- M A Clark, R Finkel, J A Rey, K Whalen, 2011, Lippincott's Illustrated Reviews: Pharmacology, 5th Edition, Philadelphia, Lippincott Williams & Wilkins.

2- Essential References:

1- R S Snell, 2000, Clinical Anatomy for Medical Students, 6th Edition, Washington, Little, Brown and Company.

2- J E Hall, 2013, Guyton and Hall Textbook of Medical Physiology, 13th Edition,

Philadelphia, Saunders.

3- V Kumar, A Abas, J Aster, 2020, Robbins & Cotran Pathologic Basis of Disease, 9th Edition, Philadelphia, Saunders.

4- C Ray, K J Ryan, 2003, Sherris Medical Microbiology: An Introduction to Infectious Diseases, 4th Edition, New York, McGraw-Hill Medical Education.

5- B Katzung, 2017, Basic and Clinical Pharmacology, 14th Edition, New York, McGraw-Hill Medical Education.

3- Electronic Materials and Web Sites etc.:

Websites:

1- The Visible Body Learn Site
https://www.visiblebody.com/learn/nervous

2- Medical news today
https://www.medicalnewstoday.com/articles/307076

X. Course Policies: (Based on the Uniform Students' By law (2007)

1	**Class Attendance:** Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.
2	**Tardiness:** A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	**Exam Attendance/Punctuality:** No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	**Assignments & Projects:** Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	**Cheating:** Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	**Forgery and Impersonation:**

	Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	**Other policies:** The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.

Faculty of Medicine

Bachelor Program of Medicine and Surgery

Course Plan (Syllabus) of

Haemato-lymphatic System

Course Code. (A21P221)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:		**Office Hours**					
Location& Telephone No.:	-----						
E-mail:	--@--.--	SAT	SUN	MON	TUE	WED	THU

2023

Prepared by:	Reviewed by:	Head of department	Quality Unit:	Dean of Medicine Faculty	Center of Development and Quality Assurance Dean
Dr. Ahmed Hudna	Dr. Ghamdan al-Tahesh		Dr. Fadhl Shujaa Al-deen	Dr. Salwa Al-Ghomeri	

II. Course Identification and General Information:

	Course Title:	**Haemato-lymphatic System**				
	Course Code:	A21P221				
	Credit Hours:	**Credit Hours**	**Theory Contact Hours**		**Practical Contact Hours**	
			Lecture	**Tutorial/Seminar**	**Lab**	**Clinical**
		5	4	--	2	--
	Level/ Semester at which this Course is offered:	2nd Level / 2nd Semester				
	Pre –Requisite (if any):	Physiology, Biochemistry, Anatomy Histology, Pathology and Pharmacology.				
	Co –Requisite (if any):	None				
	Program (s) in which the Course is Offered:	Bachelor of Medicine and surgery				
	Language of Teaching the Course:	English				
	Location of Teaching the Course:	Faculty of Medicine				
	Prepared by:	Dr. Ahmed Hudna				
11	**Date and Number of Approval by Council:**	2023				

III. Course Description:

The aim of blood course is to provide students with major basic and clinical concepts related to blood. Blood course introduces information about many topics including hematopoiesis, functions of blood components, hemostasis, causes, clinical features, diagnosis, treatment and prognosis of blood diseases. These topics will be covered by physiology, pathology, pharmacology, microbiology, medicine and pediatrics.

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IV. Course Intended Learning Outcomes (CILOs) :

Upon successful completion of the Course, student will be able to:

	A. **Knowledge and Understanding:**
a1	Explain the various constituents of blood, their function, hematopoiesis, hemostasis, blood groups and cross matching.
a2	Describe infectious diseases such as bacteria, malaria, leishmania, and toxoplasmosis
	B. **Intellectual Skills:**
b1	Distinguish between physiological and pathological performance of body cells.
b2	Integrate the clinical features with laboratory data to recognize and classify common blood disorders.
	C. Professional and Practical Skills:
c1	Practice medical history taking, physical/clinical examination and laboratory investigations for common blood disorders.
c2	Demonstrate the normal and abnormal blood cells and blood parasites in common blood disorders
	D. Transferable Skills:
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.

I= Introduced, P=Practiced or M/A= Mastered/Advanced

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due
1	**Physiology**	Introduction & general functions	2	1st,2nd, 3rd, 4th

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due
		Red blood cells: production, formation of Hb & destruction.	2	
		Blood groups, Rh factor & cross matching.	2	
		Haemostasis & blood coagulation	2	
		Leukocytes, granulocytes, the monocyte - macrophage system (functions)	2	
2	**Pathology**	Cellular elements of blood & bone marrow.	2	1^{st},2^{nd}, 3^{rd}, 4^{th},
		Stem Cell Disorders: •Classification •Aplastic anemia. •Myeloproliferative disorders. •Polycythemia.	2	
		Leukemias: •Acute leukemias. •Chronic leukemias.	4	
		Anemia: •Classification. •Nutritional anemia: Iron deficiency & megaloblastic anemia. •Hemolytic anemia: Hereditary hemoglobinopathies (sickle cell anemia) & thalassemias, hereditary spherocytosis, G6PD deficiency & immune hemolytic anemia.	6	
		Bleeding Disorders: •Classification.	2	

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due
		•Investigations Disorders of lymphoid tissues: •Reactive conditions. •Non-Hodgkin's Lymphomas. •Hodgkin's Disease •Multiple myeloma	4	
3	**Microbiology**	Bacterial Infections •Epidemic / endemic typhus. •Q fever	2	2nd, 3rd, 4th,
		Malaria	2	
		Leishmania	2	
		Filarisis	2	
		Toxoplasmosis/Trypanosome	2	
4	**Pharmacology**	Anticoagulants & fibrinolytics	2	2nd, 3rd, 4th,
		Treatment of Nutritional Anemia (Iron & vitamins therapy)	2	
		Antimalarial agents	2	
		Anticancer drugs	2	
		Treatment of Leishmaniasis, Treatment of Filariasis	2	
		Treatment of Toxoplasmosis & Trypanosomiasis	2	
5	**Medicine**	**Clinical picture, diagnosis, treatment & prognosis of:** Anemia & pancytopcnia in adults. Idiopathic thrombocytopenic purpura	2	2nd, 3rd, 4th,

No.	Units/Topics List	Sub Topics List	Contact Hours	Week due
		Neoplastic disorders: a: lymphomas b: Leukemia. c: Myeloma.	2	
		Malaria Filariasis Leishmaniasis B.M. aspiration & biopsy (Importance in diagnosis of blood diseases) B.M transplantation Precautions & Reactions of Blood transfusion	4	
6	**Pediatrics**	**Clinical picture, diagnosis, treatment & prognosis of:** Nutritional anemia (Iron deficiency & Megaloplastic). Aplastic anemia. Hemolytic anemias. Bleeding disorders.	4	2nd, 3rd, 4th,
		Leishmaniasis. Congenital Toxoplasmosis	2	
7	**Final Theoretical Exam**	-MCQs and essay questions	2	5th
Number of Weeks /and Units Per Semester			**66**	**5**

B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours
1	**Physiology:**	1st,2nd, 3rd,	8

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No.	Tasks/ Experiments	Week Due	Contact Hours
	Separation of blood Measurement of hemoglobin Blood groups Bleeding time , clotting time	4th	
2	**Pathology:** Normal and abnormal red blood cells & Platelets Normal and abnormal white blood cells Blood films and bone marrow aspiration for different types of anemia Blood films and bone marrow aspiration for different types of leukemia Blood films and bone marrow aspiration for different types of lymphoid tissues disorders	1st,2nd, 3rd, 4th	14
3	**Microbiology:** Blood parasites (Malaria , Leishmania , Filaria, Trypansoma)	2nd ,3rd, 4th	6
4	**Final practical exam**	5th	2
Number of Weeks /and Units Per Semester		**5**	**30**

V. Teaching Strategies of the Course:

- Interactive lectures
- Discussion
- Case studies
- Seminars
- PBL
- Office hours
- Self-learning

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- Lab experiments
- Training

VI. Assessment Methods of the Course:

- Quizzes
- Final written exam
- Final clinical exam
- Final practical exam
- OSCE
- Oral discussion
- Homework

VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	
1	**Quizzes**	2nd	5	5%	
2	**Oral desiccation & Homework**	3rd	15	15%	
3	**Final Practical Exam & OSPE**	5th	30	30%	
4	**Final Theoretical Exam**	5th	50	50%	
Total			**100**	**100%**	

IX. Learning Resources:

- *Written in the following order:* Author, Year of publication, Title, Edition, Place of publication, Publisher.

1- Required Textbook(s) (maximum two):

6- S Standring, 2016, Gray's Anatomy: The Anatomical Basis of Clinical Practice, 41st Edition, Elsevier.

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7- K E Barrett, S M Barman, S Boitano, H L Brooks, 2015, Ganong's Review of Medical Physiology, 25th Edition, New York, McGraw-Hill Medical Education.

8- L Junqueira, J Carneiro, 2005, Basic Histology. Text and Atlas, 11th Edition, New York, McGraw-Hill Medical.

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2- Essential References:

12- R S Snell, 2000, Clinical Anatomy for Medical Students, 6th Edition, Washington, Little, Brown and Company.

13- J E Hall, 2013, Guyton and Hall Textbook of Medical Physiology, 13th Edition, Philadelphia, Saunders.

14- V Kumar, A Abas, J Aster, 2020, Robbins & Cotran Pathologic Basis of Disease, 9th Edition, Philadelphia, Saunders.

15- C Ray, K J Ryan, 2003, Sherris Medical Microbiology: An Introduction to Infectious Diseases, 4th Edition, New York, McGraw-Hill Medical Education.

16- B Katzung, 2017, Basic and Clinical Pharmacology, 14th Edition, New York, McGraw-Hill Medical Education.

3- Electronic Materials and Web Sites etc.:

Websites:

3- The Visible Body Learn Site
https://www.visiblebody.com/learn/nervous

4- Medical news today
https://www.medicalnewstoday.com/articles/307076

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XI. Course Policies: (Based on the Uniform Students' Bylaw (2007)

1	**Class Attendance:** Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.

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2	**Tardiness:** A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	**Exam Attendance/Punctuality:** No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	**Assignments & Projects:** Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	**Cheating:** Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	**Forgery and Impersonation:** Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply**.**
7	**Other policies:** The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.