

Curriculum description form for Blood transfusion

1. Name of curriculum					
Blood transfusion					
2. Code of curriculum					
MLT116					
3. Level / Semester					
First / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Identify the characteristics, sections, and importance of the blood bank and how to perform blood transfusions 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to blood transfusions	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Blood components, blood collection, donor selection, physiological examination and collection time.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Blood type, ABO system, Rh factor and Lewis system	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Blood type classification (long and short)	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fifth	3	Direct and indirect Coomb's blood test	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	The process of cross-matching testing and reporting and recording the results.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	The importance of blood transfusion and its relationship to blood diseases	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Pregnancy care and infant leukemia	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Division of blood and methods of using and dividing it.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Blood components after storage and combined anticoagulants	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Disadvantages of blood transfusion	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Anticoagulants, their types, properties, and methods of preparation and storage	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Labeling test samples and methods for recording medical case histories	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Quality control, tools, people, and method	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Blood transfusion and fluid administration tools.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research

- Scientific sources on the Internet

Curriculum description form for Physiology

1. Name of curriculum					
Physiology					
2. Code of curriculum					
TID106					
3. Level / Semester					
First / Second					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
60 / 4					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Introducing the student to the function of each organ in the human body and its role in body balance 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Blood - its components - blood smear - blood volume - red blood cells - number of red blood cells - their shape - method of counting them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	White blood cells - their number - types - normal proportions of each type - work of white blood cells.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Blood clotting - blood acidity - blood discs and their function.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fourth	3	Anemia - types of anemia.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Jaundice - its types - causes of jaundice - breakdown of red blood cells.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	The cardiovascular system - an overview of the anatomy of the circulatory system - anatomy of the heart - heart valves.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Location of the heart relative to the surface of the living body - the heart as a pump - cardiac excretion.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	ECG - heart sounds - areas of the heart valves - normal sounds.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Arterial blood pressure - silent blood flow - atmospheric pressure - measuring blood pressure.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Factors affecting blood pressure - high - low - central control of blood vessels - measuring high - low blood pressure.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Respiratory system - respiratory muscles - diaphragm - function of the diaphragm in relation to the lungs.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Respiratory volumes - reserve volume for exhalation - reserve volume for inhalation - vital capacity - factors affecting vital capacity.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Thirteenth	3	Diseases that affect the effectiveness of respiratory volumes - nasal function.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Function of pulmonary alveoli	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Digestive system - mouth - pharynx.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
- Scientific sources on the Internet

Curriculum description form for Histology and cytological techniques

1. Name of curriculum					
Histology and cytological techniques					
2. Code of curriculum					
MLT113					
3. Level / Semester					
First / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
Mustafa Talib Khalaf					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Giving a general idea about preparing permanent tissue slides for different organs of the body 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Definition of some terms dealing with histology and cytology	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Sample collection methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Steps for tissue preparation for study, fixation and fixatives	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Routine and special Fixatives	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Sample washing solutions	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Dehydration and types of dehydrates	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Seventh	3	Clearing and types of Clearing agents	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Infiltration and types of Embedding media	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Mold casting and Trimming	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Sectioning	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Microtomes in its types	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Staining	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Routine stains	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Special stains	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Microscopic examination	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

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12. Learning and teaching resources

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Curriculum description form for Introduction of heamatology

1. Name of curriculum					
Introduction of heamatology					
2. Code of curriculum					
MLT205					
3. Level / Semester					
Second / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Identify the components of blood, the problems resulting from their imbalances within the body, and the most important tests used to diagnose them 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to the types of blood diseases	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Blood components	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	The process of blood formation in the body in children and adults	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Polycythemia: clinical signs and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Shapes of red blood cells in normal and abnormal conditions and methods of examining them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

sixth	3	Definition of hemoglobin Hb and different methods for determining its levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Definition of the volume of compressed blood cells (PCV) and different methods for determining their levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Definition of blood cell sedimentation rate (ESR) and different methods for determining its levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Anemia: clinical signs, types and diagnosis	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Sickle cell anemia: causes, clinical signs and diagnosis	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Aplastic anemia: causes, clinical signs and diagnosis	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Bacterial blood diseases and methods of diagnosing them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Viral blood diseases and methods of diagnosing them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Parasitic blood diseases and methods of diagnosing them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Introduction to white blood cells and the different methods for detecting their levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

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- Main references
- Scientific research

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Curriculum description form for Organic chemistry

1. Name of curriculum					
Organic chemistry					
2. Code of curriculum					
MLT119					
3. Level / Semester					
Second / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Giving a general idea about organic compounds and biochemistry, which increases the student's knowledge and ability to conduct experiments and various chemical reactions 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to organic chemistry Organic compounds found in nature	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Pollution with organic compounds	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Hydrocarbons, classification, alkanes, alkenes, alkynes, example of benzene, nomenclature, properties	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Alcohols, classification and properties	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fifth	3	Aldehydes, preparation, classification, properties	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Ketones, classification, properties, preparation	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Preparing ketones	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Carboxylic acids, classification, properties	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Classification of carboxylic acids	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Classification of carboxylic acids	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Properties of carboxylic acids	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Physical properties of organic compounds	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Separation of organic compounds	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Purification of organic compounds. Filtration and extraction	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Melting points and boiling points	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
- Scientific sources on the Internet

Curriculum description form for Biochemistry

1. Name of curriculum					
Biochemistry					
2. Code of curriculum					
MLT208					
3. Level / Semester					
second / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
Assist. Prof. Maha E. Jassim					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Introducing chemical compounds and enriching the student with comprehensive information that enables him to understand the vital activities that take place within the human body, and clarifying the different methods used in diagnosing diseases. 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to methods of collecting blood and urine samples and methods of preserving them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Electrolytes	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Trace minerals and diseases associated with low levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Acid-base balance and problems resulting from its imbalance	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fifth	3	Carbohydrates	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Digestion and absorption in normal and abnormal conditions	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Glucose tolerance test	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Glucose metabolism and the hormones responsible for its regulation	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Diabetes and its types	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Proteins	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Types of abnormal proteins and diseases resulting from them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Types of proteins and ways to digest them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Electrophoresis of body fluid proteins	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Liver functions	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Kidney functions	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
- Scientific sources on the Internet

curriculum description form for Medical Laboratory Techniques

1. Name of curriculum					
Medical Laboratory Techniques					
2. Code of curriculum					
MLT112					
3. Level / Semester					
First / second					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Learn about different laboratory techniques for detecting various diseases within different body fluids Learn about the basics of quality control 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to laboratory techniques, including the basics of testing techniques to diagnose various diseases, how to manage the laboratory, prepare samples, classify and teach them, and occupational safety.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Introduction to microorganisms, their structure, classification, and ways of living	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Third	3	The mechanism of action of bacteria in terms of metabolism, nutrition, reproduction and growth	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Sterilization methods and tools used	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Methods of detecting bacteria through the use of staining with special chemical stains	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Methods of detecting bacteria through culturing them in different cultural media	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Methods of culturing bacteria depending on the type of culture medium and the type of bacteria	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Different methods for collecting bacterial samples	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Methods of preserving bacterial samples and how to deliver them to the laboratory	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Introduction to blood and its components	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Methods of preserving blood samples and anticoagulants	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Definition of hemoglobin Hb and different methods for determining its levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Definition of the volume of compressed blood cells (PCV) and different methods for determining their levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Definition of blood cell sedimentation rate (ESR) and different methods for determining its levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fifteenth	3	Introduction to white blood cells and the different methods for detecting their levels	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
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11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
- Scientific sources on the Internet

Curriculum description form for Anatomy

1. Name of curriculum					
Anatomy					
2. Code of curriculum					
TID110					
3. Level / Semester					
First / Second					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
60 / 4					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> The student's knowledge of the anatomy of the human body and organs, as well as knowledge of the relationship between them. 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Anatomical directions and body surfaces	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Anatomy of the heart, its location according to the chest wall and the number of ribs	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Anatomy of the lungs, its location according to the chest wall and the number of ribs	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Anatomy of the abdomen and division of the abdomen vertically and horizontally	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fifth	3	Anatomy of the stomach, its sections and relationship to other organs	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Anatomy of the liver and spleen and their location by body surfaces	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Anatomy of the small intestine and its relationship with other organs in the abdominal cavity	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Anatomy of the cecum and its location within the abdominal cavity	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Anatomy of the yellow cyst and its location	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Anatomy of the uterus and its location within the pelvic cavity	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Skeleton, skull and spine	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Shoulder bones, scapula, and collarbone	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Forearm bone and its parts	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Bones of the hand and thigh	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Pelvic bones and lower extremities	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
- Scientific sources on the Internet

Curriculum description form for Protozoa

1. Name of curriculum					
Protozoa					
2. Code of curriculum					
MLT206					
3. Level / Semester					
First / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals		<ul style="list-style-type: none"> Introducing students to primary parasites (protozoa), methods of diagnosing them and the diseases they cause, and familiarity with their epidemiological information, which helps prevent and eradicate prevalent parasitic diseases. 			
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to parasitology	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Classification of parasites	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Host and its types	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Classification of protozoans and their specifications	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Rhizopoda	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

sixth	3	Entamoeba: form, pathogenesis and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	flagellates	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Giardia - Trichomonas: form, pathogenesis and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Leishmania: form, pathology and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Trypanosoma: form, pathology and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Ciliates	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Plantidium: form, pathology and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Sporozoites	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Plasmodium: form, pathogenesis and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Toxoplasma: form, pathology and diagnostic methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

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Curriculum description form for Medical laboratory instruments

1. Name of curriculum					
Medical laboratory instruments					
2. Code of curriculum					
MLT114					
3. Level / Semester					
First / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Covering and understand the various tools and equipment used in medical laboratories 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Types of microscope and it's uses	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Optical microscope, working principle and parts	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Microscope maintenance and how to maintain its durability	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Electronic balance, its types and parts	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	The working principle of the electronic balance and its operation	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

sixth	3	Maintenance of electronic scale	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Definition of photometer	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Light and wavelength	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Beer-Lambert law	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Spectrophotometer	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	The working principle of the spectrophotometer	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Types of spectrophotometers	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Parts of a spectrophotometer	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Spectrophotometer maintenance	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Flame photometer	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

Daily, monthly and final exams, as well as weekly reports

12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
- Scientific sources on the Internet

Curriculum description form for First aid

1. Name of curriculum					
First aid					
2. Code of curriculum					
MLT120					
3. Level / Semester					
First / Second					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals		<ul style="list-style-type: none"> The ability to prepare everything required to sustain life The student's knowledge of first aid nursing and how to rescue emergency cases before transporting them to the hospital 			
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to first aid and emergency medicine system(EMS).	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Components of EMS system, administration and policy, regulation and equipment	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	First aid kit; format, appearance, contents airway, breathing and others, improvised uses, workplace first aid kit, historic first aid kits.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fourth	3	Ambulance, transports, working with hospital staff, working with public safety agencies training.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Emotional aspect of emergency care, death and dying, the grieving process, dealing with patient and family member initial care of the dying, critical ill, injured patient.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Physical signs of death, presumptive signs of death, definitive signs of death, medical examiner cases.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Anxiety, pain, fear and hostility depression dependency, mental health receiving bad news	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Communicable diseases (routes of transmission), risk reduction and system prevention. Scene safety and personal protection.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Trauma, kinetic of trauma. Bleeding, types, causes and management.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Shock, types, causes and management.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Injuries, soft tissue injuries, eye injuries, face and throat injuries.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Chest injuries, abdomen and genitaling injuries, head and spine injuries.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Cardiac structure and function circulation atherosclerosis.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fourteenth	3	Heart attack, signs and symptoms of heart attack	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Physical findings of am/ sudden death cardiogenic shock/CHF.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

11. Curriculum evaluation

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12. Learning and teaching resources

- Methodical books
- Main references
- Scientific research
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Curriculum description form for Histology

1. Name of curriculum					
Histology					
2. Code of curriculum					
MLT118					
3. Level / Semester					
First / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
L. Hind Tariq Hamad					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Giving a general idea of the general anatomy of the human body, seeing the structure of the organs, and studying all the tissue structures that make up them under the microscope. 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Definition of some terms dealing with histology and cell science	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Microscope and its parts	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Cell shapes	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Simple epithelial tissue	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifth	3	Stratified epithelial tissue	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

sixth	3	Connective tissue	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Loose connective tissue	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	Dense connective tissue	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Specialized connective tissue - blood	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Specialized connective tissue - cartilage	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Specialized connective tissue – compact bone	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	Specialized connective tissue – spongy bone	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	Muscle tissue - cardiac muscle	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourteenth	3	Muscle tissue - skeletal muscle	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Muscle tissue – smooth muscle	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

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Curriculum description form for Basics of nursing

1. Name of curriculum					
Basics of nursing					
2. Code of curriculum					
MLT117					
3. Level / Semester					
First / First					
4. Date of description					
7 / 3 / 2024					
5. Available attendance forms					
Weekly attendance					
6. Hours / Units					
45 / 3					
7. Lecturer Name					
8. Curriculum goals					
Curriculum goals			<ul style="list-style-type: none"> Learn about the basics of nursing, first aid, laboratory and professional safety in the field of nursing, and methods of dealing with the patient while he is in medical laboratories. 		
9. Teaching and learning strategies					
<ul style="list-style-type: none"> A comprehensive explanation of the course Daily tests Student groups Field visits 					
10. Curriculum structure					
Week	Hours	Subject	Learning method	Attendance forms	Evaluation method
First	3	Introduction to nursing and the need for it, the nursing process - stages of the nursing process.	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Second	3	Medical examination and its methods	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Third	3	Vital signs - temperature - balance process in the body - how to measure it	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fourth	3	Pulse - its definition - factors affecting it - how to measure it	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fifth	3	Breathing - its definition - factors affecting it - how to calculate it	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
sixth	3	Blood pressure - its definition - factors affecting it - cases of low and high blood pressure - how to measure pressure	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Seventh	3	Laboratory health and safety - its definition - its foundations - the most important factors affecting it	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eighth	3	The most important factors that affect the health of laboratory workers - natural factors - the most important diseases that they cause	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Ninth	3	Chemical agents - the most important diseases and conditions they cause	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Tenth	3	Psychological factors - the most important diseases and conditions that cause them	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Eleventh	3	Biological factors - their types - their effect on laboratory workers - the most important diseases they cause	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Twelfth	3	First aid - its definition - the paramedic and his qualifications - the principles of first aid	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Thirteenth	3	First aid for wounds and bleeding	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

Fourteenth	3	First aid for burns - First aid for types of fractures	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams
Fifteenth	3	Artificial respiration and suffocation	Explanation of the lecture with clarification methods and practical application	Classroom and laboratory	Exams

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