

Republic of Yemen

Ministry of Higher Education & Scientific Technology

Emirates International University



Faculty of Medicine and Health Sciences

Department of Clinical Pharmacy

Bachelor of Pharm D

Course Specification of

General Histology

Course No. (HIS 107)

Prepared by:

Dr. Saeed M.S

Reviewed by:

M.A.A.Ghori

Head of the Department:

Quality Assurance head

Dean



I. Course Identification and General Information:

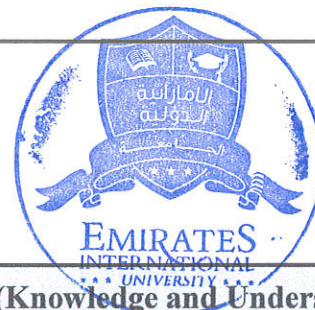
1	Course Title:	General Histology			
2	Course Code & Number:	HIS 107			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		3	2	--	2
4	Study Level/ Semester at which this Course is offered:	1 st Level / 2 nd Semester			
5	Pre –Requisite (if any):	Biology			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Pharm D			
8	Language of Teaching the Course:	English			
9	Study System:	Credit Hour System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Medicine and Health Sciences			
12	Prepared by:	Dr. Saeed M.S			
13	Date of Approval:				

II. Course Description:

This course is designed to provide the students with the needed knowledge in human anatomy and histology needed to be applied at a later stage during their clinical training. The lecture topics include introduction to histology with study systems consisting human body and some applied comparative clinical histology ,in addition to all related structures of each region and its surface anatomy

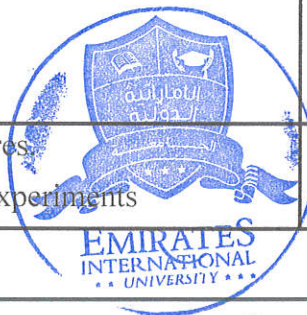


III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
a1	Establish medical pharmacy doctor with excellent information and skills of Histology , able to compete others worldwide.		A1
a2	Describe the normal histology of various regions of the human body (different tissues, organs and systems).		A1
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
b1	Explain the different stages of human development, evolution and growth.		B1
b2	Recognize the structure of histological features and organs of different regions of human body.		B1
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			
c1	Classify data obtained from histology experiments.		C1
c2	Identify practically the gross morphology of different organs of the human body		C1
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
d1	Work effectively in team and independently to perform the required tasks		D3
d2	Use information technology skills in collecting data and information		D2



(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	Establish medical pharmacy doctor with excellent information and skills of human histology , able to compete others worldwide.	<ul style="list-style-type: none"> - Lectures - Seminars - Discussion 	<ul style="list-style-type: none"> - Quizzes - Mid-term Exam - Final Written Exam
a2	Describe the normal histology of various regions of the human body (different tissues, organs and systems).	<ul style="list-style-type: none"> - Lectures - Seminars - Discussion 	<ul style="list-style-type: none"> - Quizzes - Mid-term Exam - Final Written Exam
(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:			
Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies	
b1	Explain the different stages of human development, evolution and growth.	<ul style="list-style-type: none"> Lectures ▪ Presentation 	<ul style="list-style-type: none"> -Quizzes -Midterm Exam ▪ -Final Written Exam
b2	Recognize the structure of anatomical and histological features and organs of different regions of human body.	<ul style="list-style-type: none"> Lectures ▪ Presentation 	<ul style="list-style-type: none"> -Quizzes -Midterm Exam -Final Written Exam
(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	Classify data obtained from anatomical and histology experiments.	<ul style="list-style-type: none"> - Lectures. - Lab Experiments -Training 	<ul style="list-style-type: none"> - Quizzes - Final Practical Exam laboratory and other written reports -Lab Experiments
c2	Identify practically the gross morphology of different	<ul style="list-style-type: none"> - Lectures. - Lab Experiments 	<ul style="list-style-type: none"> - Quizzes - Final Practical Exam

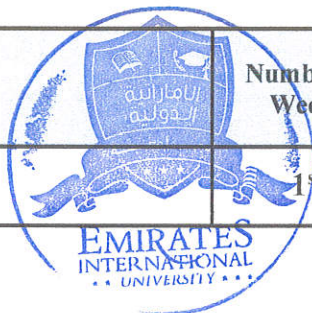


	organs of the human body	-Training	laboratory and other written reports -Lab Experiments
(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:			
	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d1	Work effectively in team and independently to perform the required tasks	- Discussion - Case Study - Self Learning	- Assignments - -
d2	Use information technology skills in collecting data and information	- Discussion - Case Study - Self Learning	- Assignments - -

IV. Course Contents:					
A. Theoretical Aspect:					
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction to anatomy	– Definitions, histological positions, Planes of anatomy	1	2	a1,a2, b1,b2
2	Terminology of movement	– Definitions of movements, terminology	1	2	a1,a2, b1,b2
3	Osteology	Types of bones Ossification –	1	2	a1,a2, b1,b2
4	Skeleton	Axial Skeleton –	1	2	a1,a2, b1
5	Skeleton	– Appendicular Skeleton	1	2	a1,a2, b1,b2
6	Joints	Classification	1	2	a1,a2,

		Examples (Fibrous, Cartilaginous)			b1,b2
7	Joints	– Synovial ch.ch.,classification	1	2	a1,a2, b1,b2
8	Muscles	Classification – Examples	1	2	a1,a2, b1,b2
9	Fascia	Types – Sites	1	2	a1,a2, b1
10	Cardiovascular system	Heart (external&internal configuration) –	1	2	a1,a2, b1,b2
11	Cardiovascular system	Circulation – Blood Vessels(Arteries& Veins	1	2	a1,a2, b1,b2
12	Respiratory system	Nose Larynx, trachea, Bronchi, bronchioles,alveoli Lungs,pleura,	1	2	a1,a2, b1,b2
13	Digestive system	Mouth, pharynx, esophagus,stomach, small intestine, large intestine,liver, pancreas, spleen	1	2	a1,a2, b1,
14	Nervous system	CNS,ANS,PNS	1	2	a1,a2, b1
15	Urogenital system	Urinary organs, male& female genital organs	1	2	a1,a2, b1
16	Final Theoretical Exam	Exam	1	2	a1,a2, b1
Number of Weeks /and Units Per Semester			16	32	

B. Case Studies and Practical Aspect:				
No.	Tasks/ Experiments	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction& positions	1 st	2	c1,c2



2	Movements	2 nd	2	c1,c2
3	- Bones	3 rd	2	c1,c2
4	- Axial skeleton (skull)	4 th	2	c1,c2
5	- Axial skeleton Vertebrae, thorax	5 th	2	c1,c2
6	- Appendicular skeleton(upper limb)	6 th	2	c1,c2
7	- Appendicular skeleton(lower limb)	7 th	2	c1,c2
8	- Joints	8 th	2	c1,c2
9	Joints	9 th	2	c1,c2
10	- Muscles	10 th	2	c1,c2
11	- Cardiovascular	11 th	2	c1,c2
12	- Respiratory	12 th	2	c1,c2
13	- Digestive	13 th	2	c1,c2
14	- Nervous	14 th	2	c1,c2
15	- Urogenital	15 th	2	c1,c2
16				c1,c2
Number of Weeks /and Units Per Semester		15	30	

V. Teaching Strategies of the Course:

- Lectures
- Seminars
- Discussion
- Case Study
- Self learning
- Presentation



- Lab Experiments
- Training

VI. Assessment Methods of the Course:

- Quizzes
- Midterm Exam
- Final Written Exam
- Home work
- Final Practical Exam
- laboratory and other written reports
- Lab Experiments

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignments : Searching about related subjects of histology of liver after paracetamol toxicity	10 th	5	a1,a2,b1
Total				

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	Assignments	10 th	5	5 %	a1,a2,b1,b2
2	Quiz	6 th	5	5 %	a1,a2,b1,b2
3	Mid-Term Theoretical Exam	8 th	20	20 %	a1,a2,b1,b2
4	Final Practical Exam	15 th	20	20 %	c1,c2
5	Final Theoretical Exam	16 th	50	50 %	a1,a2,b1,b2
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): مثال example

- 1- Introduction to Anatomy.Gray`s textbook of anatomy, 2009, 9th edition, S. Grey
- 2- Clinical Anatomy by Systems, 8th-Edition, Richard S. Snell, Lippincott Williams & Wilkins.

2- Essential References.

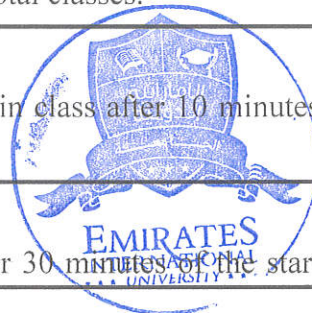
- 1- Hamilton`s textbook of basic anatomy, 2001, 6th edition.
- 2- Atlas of Human Anatomy, 5th edition, Frank Netter, Elsevier
- 3- Principles of Anatomy and Physiology, 11th Edition by Gerard J. Tortora, Sandra R. Grabowski, Kathleen Schmidt Prezbindowski Publisher: Wiley, I edition (2006)
- 4- di Fiore's Atlas of General Histology with Functional Correlations, Eroschenko, Lipponcott Williams ,and Wilkins, 2004

3- Electronic Materials and Web Sites etc.:

www.innerbody.com
www.getbodysmart.com
www.anatomyarcade.com

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

Class Attendance:	
1	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.
Tardiness:	
2	A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
Exam Attendance/Punctuality:	
3	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.



Second Part of Course Specification

Faculty of Medicine and Health Sciences

Department of Clinical Pharmacy

Bachelor of Pharm D

Course Plan (Syllabus) of General Histology

Course No. (HIS 107.)

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



II. Course Identification and General Information:

1	Course Title:	General Histology			
2	Course Code & Number:	HIS 107			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		3	2	--	2
4	Study Level/ Semester at which this Course is offered:	1st Level / 2nd Semester			
5	Pre –Requisite (if any):	Biology			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Pharm D			
8	Language of Teaching the Course:	English			
9	Study System:	Credit Hour System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Medicine and Health Sciences			
12	Prepared by:	Dr. Saeed M.S			
13	Date of Approval:				

III. Course Description:

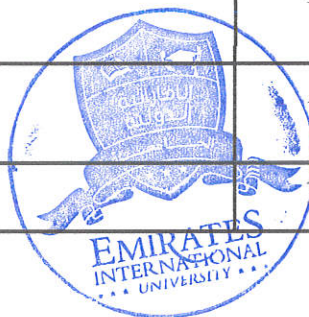
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V. Course Intended Learning Outcomes (CILOs)

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

a1	Establish medical pharmacy doctor with excellent information and skills of Histology , able to compete others worldwide.
a2	Describe the normal histology of various regions of the human body (different tissues, organs and systems).
B. Intellectual Skills: Upon successful completion of the course, students will be able to:	
b1	Explain the different stages of human development, evolution and growth.
b2	Recognize the structure of histological features and organs of different regions of human body.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:	
c1	Classify data obtained from histology experiments.
c2	Identify practically the gross morphology of different organs of the human body
D. Transferable Skills: Upon successful completion of the course, students will be able to:	
d1	Work effectively in team and independently to perform the required tasks
d2	Use information technology skills in collecting data and information

IV. Course Contents:				
A. Theoretical Aspect:				
N o.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction to anatomy	– Definitions, Anatomical positions, Planes of anatomy	1	2
2	Terminology of movement	– Definitions of movements, terminology	1	2
3	Osteology	Types of bones Ossification –	1	2
4	Skeleton	Axial Skeleton –	1	2
5	Skeleton	– Appendicular Skeleton		2



6	Joints	Classification Examples (Fibrous, Cartilaginous)	1	2	
7	Joints	- Synovial ch.ch.,classification	1	2	
8	Muscles	Classification - Examples	1	2	
9	Fascia	Types - Sites	1	2	
10	Cardiovascular system	Heart (external&internal configuration) -	1	2	
11	Cardiovascular system	Circulation - Blood Vessels(Arteries& Veins	1	2	
12	Respiratory system	Nose Larynx, trachea, Bronchi, bronchioles,alveoli Lungs,pleura,	1	2	
13	Digestive system	Mouth, pharynx, esophagus,stomach, small intestine, large intestine,liver, pancreas, spleen	1	2	
14	Nervous system	CNS,ANS,PNS	1	2	
15	Urogenital system	Urinary organs, male& female genital organs	1	2	
16	Final Theoretical Exam	Exam	1	2	
Number of Weeks /and Units Per Semester			16	32	

B. Case Studies and Practical Aspect:			
No.	Tasks/ Experiments	Number of Weeks	Contact Hours
1	Introduction& positions	1 st	2
2	Movements	2 nd	2
3	- Bones	3 rd	2
4	- Axial skeleton (skull)	4 th	2
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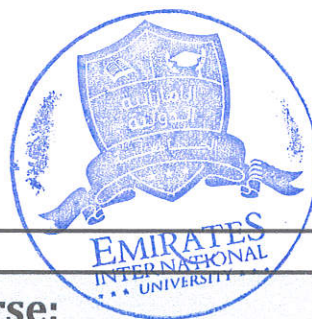
6	- Appendicular skeleton(upper limb)	6 th	2
7	- Appendicular skeleton(lower limb)	7 th	2
8	- Joints	8 th	2
9	Joints	9 th	2
10	- Muscles	10 th	2
11	- Cardiovascular	11 th	2
12	- respiratory	12 th	2
13	- Digestive	13 th	2
14	- Nervous	14 th	2
15	- Urogenital	15 th	2
16			
Number of Weeks /and Units Per Semester		15	30

* Practical part starts after 2 weeks from theoretical part

C. Tutorial Aspect:

VI. Teaching Strategies of the Course:

- Lectures
- Seminars
- Discussion
- Case Study
- Self learning
- Presentation
- Lab Experiments
- Training



VII. Assessment Methods of the Course:

<p>Quizzes</p> <ul style="list-style-type: none"> -Midterm Exam -Final Written Exam -Home work -Final Practical Exam -laboratory and other written reports -Lab Experiments

VIII. Assignments:

No.	Assignments	Week Due	Mark
1	Assignments : Searching about related subjects of histology of liver after paracetamol toxicity	10th	5
Total			

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	10th	5	5 %
2	Quiz	6th	5	5 %
3	Mid-Term Theoretical Exam	8th	20	20 %
4	Final Practical Exam	15th	20	20 %
5	Final Theoretical Exam	16th	50	50 %
	Total		100	100%

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	10 th	5	5 %
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4	Final Practical Exam	15 th	20	20 %

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
5	Final Theoretical Exam	16 th	50	50 %
Total			100	100%

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