



## Course Specifications

<b>Course Title:</b>	<b>Histology</b>
<b>Course Code:</b>	<b>252ZOO</b>
<b>Program:</b>	<b>Biology Program</b>
<b>Department:</b>	<b>Biology</b>
<b>College:</b>	<b>Science</b>
<b>Institution:</b>	<b>Jazan University</b>

## Table of Contents

<b>A. Course Identification.....</b>	<b>3</b>
6. Mode of Instruction (mark all that apply) .....	3
<b>B. Course Objectives and Learning Outcomes.....</b>	<b>3</b>
1. Course Description .....	3
2. Course Main Objective.....	3
3. Course Learning Outcomes .....	3
<b>C. Course Content .....</b>	<b>4</b>
<b>D. Teaching and Assessment .....</b>	<b>5</b>
1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods .....	5
2. Assessment Tasks for Students .....	6
<b>E. Student Academic Counseling and Support .....</b>	<b>6</b>
<b>F. Learning Resources and Facilities.....</b>	<b>6</b>
1.Learning Resources .....	6
2. Facilities Required.....	6
<b>G. Course Quality Evaluation .....</b>	<b>7</b>
<b>H. Specification Approval Data .....</b>	<b>7</b>

## A. Course Identification

<b>1. Credit hours:</b>			
<b>2. Course type</b>			
a.	University <input type="checkbox"/>	College <input type="checkbox"/>	Department <input checked="" type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> year2, Level 4			
<b>4. Pre-requisites for this course (if any):</b> None			
<b>5. Co-requisites for this course (if any):</b> None			

### 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	13	86.7%
2	Blended	2	13.3%
3	E-learning	-	-
4	Distance learning	-	-
5	Other	-	-

### 7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	15
2	Laboratory/Studio	30
3	Tutorial	-
4	Others (specify)	-
	<b>Total</b>	<b>45</b>

## B. Course Objectives and Learning Outcomes

### 1. Course Description

This course aims to study the tissues and systems that constitute animals bodies

### 2. Course Main Objective

This course is designed to provide students with the following concepts:

To recognize, identify and draw epithelial tissues, connective tissues, muscular tissues and nervous tissues.

- 1- To study the components of blood and hemopoiesis.
- 2- To describe the microscopic anatomy of the respiratory system.
- 3- To know the histology of the digestive system and associated glands.
- 4- To study the microscopic anatomy of the urinary, male and female reproductive systems .
- 5- To describe the histology of the eye and the ear.

### 3. Course Learning Outcomes

CLOs	Aligned-PLOs
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CLOs		Aligned-PLOs
1	<b>Knowledge and Understanding</b>	
1.1	List all characteristics, importance, features, steps of Histology aspects. عدد الخصائص والأهميات والصفات والخطوات المتعلقة بعلم الأنسجة	K1.3
1.2	Draw all systems, organs, cells and its contents, diagrams and figures of Histology. ارسم جميع الأجهزة والأعضاء والخلايا ومحتوياتها والمخططات والصور المتعلقة بعلم الأنسجة	K2.3
1.3	Differentiate (Compare) between different mechanisms, functions, practices and aspects related to Histology. ميز بين (قارن) الميكانيكيات والوظائف والممارسات والرؤى المتعلقة بعلم الأنسجة	K2.1
1.4	Classify all Histological specimens and processes صنف و عدد جميع العينات والعمليات المتعلقة بعلم الأنسجة	K3.3
2	<b>Skills :</b>	
2.1	Examine theoretically or practically the slides, photos, diagrams or statements of histological aspects. أفحص نظريا أو عمليا الشرائح والصور والمخططات ومدى صحة أو خطأ العبارات التي تتعلق بعلم الأنسجة	S1.3
2.2	Prepare well-organized written scientific document, using appropriate media, with introduction, body, and conclusions إعداد وثيقة علمية مكتوبة ومنظمة تنظيما جيدا ، باستخدام وسيلة كتابة مناسبة ، تبدأ بالمقدمة، ثم الموضوع، وتنتهي بالاستنتاجات	S4.3
3	<b>Values:</b>	
3.1	Illustrate awareness of risk assessment and safety observation when dealing with various equipment at various fields. إظهار الوعي الكامل لتقييم المخاطر وملاحظات السلامة المهنية عند التعامل مع الأجهزة في المعمل أو في حقل العمل	V1.1

### C. Course Content

No	List of Topics	Contact Hours
1	Epithelial Cells & Tissues / Connective Tissue	2
2	Adipose Tissue / Cartilage & Bone	1
3	Nerve Tissue & Muscle Tissue	1
4	Circulatory System / Blood Cells & Haematopoiesis	2
5	Lymphoid System	1
6	Digestive Tract & Associated Glands	1
7	Respiratory System	1
8	Urinary System	2
9	Endocrine Glands / Sensory Organs	1
10	Male/Female Reproductive System	2
Total		14

## D. Teaching and Assessment

### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	<b>Knowledge and Understanding</b>		
1.1	List all characteristics, importance, features, steps of Histology aspects. عدد الخصائص والأهميات والصفات والخطوات المتعلقة بعلم الأنسجة	Lectures	Quizzes, MCQs, Oral exam
1.2	Draw all systems, organs, cells and its contents, diagrams and figures of Histology. ارسم جميع الأجهزة والأعضاء والخلايا ومحتوياتها والمخططات والصور المتعلقة بعلم الأنسجة	Lectures Lab work	Quizzes Written exam
1.3	Differentiate (Compare) between different mechanisms, functions, practices and aspects related to Histology. ميز بين (قارن) الميكانيكيات والوظائف والممارسات والرؤى المتعلقة بعلم الأنسجة	Lectures	Quizzes, MCQs, Oral exam
1.4	Classify all Histological specimens and processes صنف وعدد جميع العينات والعمليات المتعلقة بعلم الأنسجة	Lectures, Lab work, Group Discussion	Practical Quizzes, Short Answer Question, Lab work assessment
2.0	<b>Skills</b>		
2.1	Examine theoretically or practically the slides, photos, diagrams or statements of histological aspects. افحص نظريا او عمليا الشرائح والصور والمخططات ومدى صحة او خطأ العبارات التي تتعلق بعلم الأنسجة	Lectures, Lab work	Assignments Lab work assessment
2.2	Prepare well-organized written scientific document, using appropriate media, with introduction, body, and conclusions إعداد وثيقة علمية مكتوبة ومنظمة تنظيما جيدا ، باستخدام وسيلة كتابة مناسبة ، تبدأ بالمقدمة، ثم الموضوع، وتنتهي بالاستنتاجات	Lectures, Lab work	Assignments Lab work
3.0	<b>Values</b>		
3.1	Illustrate awareness of risk assessment and safety observation when dealing with various equipment at various fields. إظهار الوعي الكامل لتقييم المخاطر وملاحظات السلامة المهنية عند التعامل مع الأجهزة في	Lectures Group Works	Lab work assessment, Theoretical assessment

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	المعمل أو في حقل العمل		

## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Theory quiz	3	5
2	Theory home work	4	5
3	Practical quiz	5	5
3	Practical home work	6	5
4	Theory mid-term exam	7	10
6	Practical final exam	13	20
7	Theory final exam	15	50

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## E. Student Academic Counseling and Support

**Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :**

10 Office hours/Faculty/week

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<ul style="list-style-type: none"> <li>الطبيب، نوري بن طاهر و جرار ، بشير محمود ( 2013 ). علم الأنسجة الوصفي. النشر العلمي والمطابع. جامعة الملك سعود</li> <li>الحاج، حميد أحمد ( 2011 ). مبادئ علم الأنسجة. الناشر المعرفة.</li> <li>البكري، نادية عبد المحسن و إقطيس، إسماعيل عياد ( 2017 ). أطلس الأنسجة الطبيعية. الدار العربية للنشر</li> </ul>
<b>Essential References Materials</b>	Leslie, P. Gartner and James, L. Hiatt (2007) Colour Textbook of Histology. Saunders, New York Castro Peter., Michael Huber (2015) Marine Biology, McGraw-Hill Profession 978-0-07-802306-4 (ISBN)
<b>Electronic Materials</b>	<a href="https://www.scimagojr.com/journalrank.php?category=2722">https://www.scimagojr.com/journalrank.php?category=2722</a>
<b>Other Learning Materials</b>	

### 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	1 Lecture room(s) for groups of 50 students. 1 Laboratory for group of 25 students
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	AV, data show, Smart Board
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Light microscopes, glassware, chemicals, consumables, dissection tools.

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching	Students, Faculty	Direct (Questionnaire)
Effectiveness of assessment	Peer Reviewer	Direct (Cross Check marking)
Extent of achievement of course learning outcomes	Program Leader	Indirect (QA Committee)
Quality of learning resources	QA. Committee	Indirect (Benchmarking)

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## H. Specification Approval Data

Council / Committee	
Reference No.	
Date	

Course coordinator: Dr. Tag El Asfia Ahmed Osman

Signature:



Date 18 / 2 /2021

Approved by:

Name: Dr. Yahia Soleiman Masrahi    Position: Chair of Department

Signature: