



كلية الطب البيطري



جامعة أسيوط

Relevant Programme: Bachelor of veterinary medical sciences

Department offers the course: Cell and Tissues

Scholar year: 3rd, 4th & 5th years

Course Specifications

A- Basic Information		
Title: Avian Histology	Code:	Level 3 rd ,4 th & 5 th levels
Theoretical:1	Tutorial/Pract:1	Total Credit hours:2
B- Professional Information:		
1-Aims:	Knowledge of the histological and histochemical composition of the various birds systems in domesticated animals	
2 – Intended Learning Outcomes (ILOs)		
a-Knowledge and Understanding:	Upon completion of the course, the student will be able to: 1. Define the physical, microscopic and ultra-structure of the various organs and systems of birds. 2. Familiar with scientific developments in the field of birds histology	
b-Intellectual Skills	Upon completion of the course, the student will be able to: 1. Evaluate and compare the results obtained from the microscopic examination of the different organs of birds and distinguishes between them accurately. 2. It links the structure of the organs and their various functions	
c-Professional Skills	Upon completion of the course, the student will be able to:	

	1. Use tissue examination tools such as microscopes. 2. Examines, plots and distinguishes the histological and histochemical structures of organs and systems of birds using different microscopic magnifications
d-General Skills	Upon completion of the course, the student will be able to: 1. Uses tissue examination tools such as microscopes. 2. Examine, positions and characterize the histochemical and histochemical structures of birds organs and systems using different microscopic magnifications

3- Contents	<p>Theoretical scientific content and number of hours:- (24 hours)</p> <ul style="list-style-type: none"> - Circulatory system. 2 hours <p>Study of the skin and its appendages. 2 hours</p> <p>The lymphatic system. 2 hours</p> <ul style="list-style-type: none"> - Respiratory system. 2 hours - Reproductive system. 4 hours - Digestive. 6 hours - Endocrine. 2 hours - Nervous system. 2 hours - Urinary tract. 2 hours <p>Practical scientific content and number of hours:-(36 hours)</p> <ul style="list-style-type: none"> - Studying the exact structure of the body's organs using the tissue slides for each organ of the animal's body organs using a light microscope
4- Teaching and Learning Methods	<p>Hybrid (direct education + e-learning)</p> <p>Or according to what the state decides in different time periods according to the state of the pandemic</p>
5 – Teaching and Learning methods for Disabled students	Not present
6- Teaching and Learning Methods for Distinguished students	Not present
7- Student Assessment	
Tools	Combined exams at the end of the semester for theory, year work, practical and oral
Time Schedule	at the end of the semester
Grading System	<p>1- mid-term: 20%</p> <p>2- Practical test: 20%</p> <p>3- Oral test: 10%</p> <p>4- Theory test: 50%</p>

8- List of References

Course Notes	The CD is distributed by the university
Required Books (Text Books)	– Birds their structure and function. King, A. S. and J. Mclelland 2nd ed. Bailliere Tindall London Philadelphia Toronto. (1984). - Histology of fowl
Recommended Books	Text book of veterinary histology (Dellmann, H.D. and Brown, E. , Philadelphia, USA, 2nd edition,1981). - Histology (Arthur W. Ham).
Periodicals, Web Sites, ... etc	– Acta Anatomica. – Anatomia, Histologia, Embryologia - Assiut Veterinary Medicine Journal - Histology world

9- Facilities Required for Teaching and Learning:

Microscopes , data show , slides, computers

Course Coordinator (Course Professor): Prof Dr Enas Ahmed Abdel Hafez

Head of Department: Prof Dr / Enas Ahmed Abdel Hafez

Date:

Program Director and College Dean: Prof Dr/ Madeha Hosny