

University: Damanhour
Department: Histology and Cytology

Faculty: Veterinary Medicine

Histology and Cytology (Special) Course Specifications (2010 - 2011)

Program(s) on which the course is given: BVSc
Department offering the program: ---
Department offering the course: Histology and Cytology
Major or Minor element of programs: Major
Academic year /Level: 2nd Year 1st semester
Date of specification approval:

A. BASIC INFORMATION

Title: Histology and Cytology (General) **Code:** 2AHIS
Hours (hrs/week):
Lectures 2hr/week **Practical** 2hr/week **Total** 60/semester

B. PROFESSIONAL INFORMATION

1. Overall aims of the course:

To familiarize students with the basic information about the characteristics and functions of the male genital, female genital, endocrine systems, eye, ear and integument as well as fish and avian histology and compare between them and those of mammals'.

2. Intended Learning Outcomes (ILOs) of the Course:

a. Knowledge and Understanding:

- a.1.** Understand the principle component of the male genital, female genital, endocrine systems, integument, eye, ear, fish and avian tissues and organs.
- a.2.** Understand the difference in fish and avian tissues, organs and systems structures.
- a.3.** Understand the structure of each organ of male and female genital systems, endocrine glands, integument, eye and ear and the functions of them.
- a.1.** Understand the principle component of the male genital, female genital, endocrine systems, integument, eye, ear, fish and avian tissues and organs.
- a.2.** Understand the difference in fish and avian tissues, organs and systems structures.
- a.3.** Understand the structure of each organ of male and female genital systems, endocrine glands, integument, eye and ear and the functions of

them.

b. Intellectual Skills:

- b.1.** The ability to analyze the diversity of knowledge in the term of structure of the male genital, female genital, endocrine systems, integument, eye, ear, fish and avian tissues and organs.
- b.2.** The ability to distinguish, with evidence, how each part of those tissues, organs and systems appear under the microscope.
- b.3** Relate functions of those tissues and organ system to their structures

c. Professional and Practical Skills: The new veterinary graduate should be able to:

- c.1.** Recognize the histological techniques suitable for studying the male genital, female genital, endocrine systems, integument, eye, ear, fish and avian tissues and organs.
- c.2.** When given a section of mammalian, fish or avian tissue under a microscope or a magnified picture of a tissue to identify the tissue, the cells that it contains and other visible structures of that tissue.
- c.3.** Distinguish between the normal an abnormal cellular and tissue structures.

d. General and Transferable Skills: The graduate must be able to:

- d.1.** The ability to use simple word and IT skills (i.e., data processing, software, internet, and multimedia) and the library to find information.
- d.2.** The ability to be self-motivated learners and responsive to feedback.
- d.3.** Working in team (i.e., sharing presentations and discussions and solving problem).
- d.4.** Enhancement of research capability through working in independent projects.

3. Contents:

1st Semester			
Topic	No. of hours	Lectures	Practical
Male genital system I	4hrs	2	2
Male genital system II	4hrs	2	2
Female genital system I	4hrs	2	2
Female genital system II	4hrs	2	2
Endocrine system I	4hrs	2	2
Endocrine system II	4hrs	2	2
Integument I	4hrs	2	2
Integument II	4hrs	2	2
Special senses I	4hrs	2	2
Special senses II	4hrs	2	2
Special senses III	4hrs	2	2
Fish Histology I	4hrs	2	2
Fish Histology II	4hrs	2	2
Avian Histology I	4hrs	2	2
Avian Histology II	4hrs	2	2

4. Teaching and Learning Methods:

4.1. Lectures

4.2. **Practical** (tutor presentation followed by students' small group sessions).

4.3. **Independent** (Laboratory and home assignments supervised by tutor):

- a) Writing reports/assignments.
- b) Preparation of colored posters and slide presentations.
- c) Preparation of slides.
- d) Group discussion.

4.4 **Computer Courseware:** For independent student can be accessed at the education centre: CLIVE standalone programs and any other recently developed web-based courseware.

Methods for disabled students:

No special arrangements are available now; however those students can consult our staff for help.

5. Student Assessment Methods:

Exam

5.1	Mid and final term	Written examinations to assess knowledge and understanding.
5.2	Periodical examinations	to assess general and transferable skill sun
5.3	Practical Final-term	To assess professional and practical skills
5.4	Oral Final-term	To assess intellectual skills, understanding of topics and ways of thinking in resolving problems.

Assessment Schedule (in each semester):

	Exam	Week
Assessment 1	Written Mid-term	6 th
Assessment 2	Written Final-term	15 th
Assessment 3	Practical Final-term	15 th
Assessment 4	Oral Final-term	15 th

Weighing of assessments (in each semester):

	Exam	Per Semester (%)	Total (%)
Assessment 1	Written Mid-term	20	20
Assessment 2	Written Final-term	50	50
Assessment 3	Practical Final-term	25	25
Assessment 4	Oral Final-term	5	5
Total		100	100

6. List of References:

6.1. Course Notes:

- Lectures Notes
- Practical Notes

6.2. Essential Books:

- Dellmann and Eurell (1998) Fifth edition.
- Junqueira (1995) eighth edition.
- Ham's Histology (1987) ninth edition.

6.3. Recommended Books:

- Dellmann and Eurell (1998) Fifth edition.

6.4. Periodicals, websites,etc

- <http://www.histology.to/links.html>

7. Facilities Required for Teaching and Learning

- Computers (laptop.)
- Data show projector.
- Slide projectors.
- Overhead projectors.

Course Coordinator:

Dr/Mohamed Aref Elnasharty

Head of Department:

Prof Dr/ASHARAF ESHRABY

Date: