

Course: ZAB0135 – Domestic Animals Histology

Class Credits:	4
Work Credits:	0
Total Workload:	60 h
Type:	Semester
Activation:	01/01/2005

Objectives

To offer notions of tissue and cellular structure, to present the microscopic architecture of organs and systems and relate the structure with the function of the body systems.

Summarized Program

Histologic Techniques;
Fundamental Tissues;
Respiratory System;
Circulatory System;
Blood and Lymphoid system;
Digestive system;
Endocrine System;
Male and Female Reproductive System;
Urinary System;
Integumentary System;

Program

Histological Techniques;
Fundamental Tissues: epithelial tissue and conjunctive tissue; special conjunctive tissues (adipose, cartilaginous and osseous); muscular tissue; nervous tissue;
Respiratory System;
Circulatory System;
Blood and Lymphoid system;
Digestive system I: mouth, esophagus, monogastric and ruminant stomach;
Digestive system II: small and large intestine, annexed glands (salivary, liver, pancreas);
Endocrine System;
Male Reproductive System;
Female Reproductive System: organs and histologic cyclic modifications;
Urinary System;
Integumentary System: skin and annexes;

Evaluation

Methods

The course will consist of theoretical classes followed by corresponding practical classes. The theoretical classes will be complemented by projection of pictures and histological slides. The practical classes will consist of observation and interpretation of histological preparations.

Criteria

Two or three theoretical evaluations and two or three practical evaluations will be done. The final grade will be the weighted average of all the evaluations (theoretical exams with weight 3 and practical with weight 2). Extra activities can be solicited (works, drawings of slides, etc) that will compose the grade (weight 1).

Norms For Make-up Exams

One or two theoretical and/or practical exams will be given, with all the contents taught in the course. The final grade will be composed by the weight average of the semester grade with weight 3 plus the make-up grade/average with weight 2.

References

JUNQUEIRA, L.C.U.; CARNEIRO, J. Histologia Básica, 10ª ed. Rio de Janeiro, 2004.

JUNQUEIRA, L.C.U. CARNEIRO, J. Histologia Básica, 9ª. ed., Rio de Janeiro, 1999.

BANKS, H.W.J. Histologia veterinária aplicada. 2º ed. São Paulo. Ed. Manole. 1992.

SOBOTTA, J. Atlas colorido de citologia, histologia e anatomia e microscópica humana. 5. ed. Guanabara Koogan, Rio de Janeiro, 1999.

STEVEN, A. Histologia. Ed. Manole, São Paulo, 1995.

ROSS, J. Histologia 2ª ed. Interamericana, Rio de Janeiro, 1993.

DI FIORI, M.S.H. Atlas de Histologia 7ª ed. Rio de Janeiro, Guanabara Koogan, 1986.

GEORGE, L.L. et al. Histologia comparada. São Paulo, 1985.

DELMANN, H.D.; BROWN, E.M. Histologia veterinária. Rio de Janeiro. Guanabara Koogan, 1982.