

## SEMIOLOGY (IIIrd year)

**Number of transferable credits** 3/4

### Subject structure (no. hours per week)

Semester	Course	Seminary	Laboratory	Project
<b>V</b>	2	-	2	-
<b>VI</b>	2	-	2	-

### Subject status

Compulsory subject

### Subject holder

Prof. dr. Vasile Vulpe

### Subject goals (course & application)

Acquiring, by the students, of the basic knowledge of General and Special Semiology.

Teaching the students how to do and read laboratory tests and connecting the acquired information with the clinical state of the patients to obtain an accurate diagnosis.

Acquiring the knowledge on how to do a clinical examination and how to apply the general and special methods of examination on the animals.

Teaching the students the necessary skills on examining certain organs and organic systems in animals, using the special and general methods of examination.

Acquiring the necessary veterinary language skills.

### Subject contents (analytical program)

#### Semiology I

Course (Chapters/subchapters)	No. hours
Introductory notions. Base semiology classifications: symptoms, syndroms, diagnosis, prognosis. Approaching and examining the animals. Means of examination. General methods. Special methods of examination.	8
Imaging examination methods: classification, importance. Radiological exam and radioprotection of the patient and the examining staff. Radiological examination on certain organs and systems – general semiological aspects. Echographic exam and general semiological aspects. Endoscopy and other complementary imaging methods (thermography, magnetic resonance).	8

Clinical examination. General examination of the animal. Habitus. Skin and hair examination and semiology. Mucosae and lymphatic system examination. Semiological aspects.	6
Paraclinical examinations. Blood, urine, digestive content, faeces, celarorachidian liquid and other punctum – obtained liquids examination – semiological aspects.	6

Practical applications (laboratories)	No. hours
Work security measures. Approaching and contention of the different animal species. General and special animal examination. Imaging examination methods. Radiological examination and radioprotection, radiological examination on different systems – semiological aspects. Echographical and endoscopical examination technique.	12
Clinical examination of the animals. Examination plan and the clinical observation sheet. General examination of the animal. Habitus. Skin and hair examination. Mucosae and lymphatic system examination. Practical verification.	8
Blood examination. Taking blood samples from different animal species. Phisical, chemical and microscopical examination of the blood. Phisical, chemical and microscopical examination of the urine. The examination of the punctum-obtained liquids, of the gastric content and from the rumen, the examination of the faeces. Practical verification.	8

## Semiology II

Course (Chapters/subchapters)	No. hours
The examination and semiology of the superiour digestive tract. The examination and semiology of the abdomen, gastric compartments in ruminants, of the stomach in monogastrical animals. The examination and semiology of the bowels. Imaging aspects.	6
The examination and semiology of the liver – functional and phisical examination. Pancreas examination and semiology. Respiratory system examination – functional and phisic examination.	6
Cardiovascular system semiology. The examination and semiology of the genital and urinary systems.	7
Tthe semiology of the nervous system. The semiology of the locomotory system. The semiology of the endocrine system.	9

Practical applications (laboratories)	No. hours
Digestive system examination and semiology. The functional and phisical examination of the superiour digestive tract. Abdomen examination, stomach examination in monogastrical and bowels.	4
Gastrical compartments examination in ruminants. The examination of the liver, pancreas and spleen. Practical verification.	6
Respiratory and semiology of the respiratory system.	4
Cardiovascular system examination and semiology. Urinary system examination and semiology.	6
Nervous system examination and semiology. Locomotory and endocrine system examination and semiology. Practical verification.	8

## Bibliography

1. FalcaC., , T. Mot, V. Vulpe,D. Morar, I. Papuc,G. Solcan,C. Pop, C. Vlagioiu, G. Giurgiu, M. Mircean, C. M. Braslasu, 2011.*Internal Animal Medicine*, vol. 1, Ed. Eurostampa, Timisoara.

2. Falca C., , T. Mot, V. Vulpe, D. Morar, I. Papuc, G. Solcan, C. Pop, C. Vlagioiu, G. Giurgiu, M. Mircean, C. M. Braslasu, 2012. *Interna Animal Medicine* , vol. 2, Ed. Eurostampa, Timisoara
3. Vulpe, V., 2003. *Veterinary Semiology Breviary*. Editura Tehnopress, Iasi ISBN 973-8377-67-6 171pg.
4. Vulpe V., 2016. *Veterinary General Semiology*. Edit. PIM, Iași.
5. Vulpe V., 2016. *Semiologie specială veterinară*. Edit. PIM, Iași

## Final evaluation

Evaluation type	Evaluation methods	Percentage from final grade
Exam	Written	50
Semestrial individual activity	Written & oral	20
Practical application		30

## Contact person

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