

**EXPERIMENTAL TECHNIQUES OF EXERCISE PHYSIOLOGY IN ANIMAL MODEL (CODE  
2024047)**

**COURSE SYLLABUS:**

The course aims to instruct about the basics of the main experimental techniques used in researches and education on exercise physiology field, allowing the practice training to use the classic and modern techniques in physiology.

**GOALS:**

The student must be able to understand:

- basic care and managing the rodents;
- disciplines of physical activity applied in animal model;
- the parameters registered during the physical activity in animal model;
- the main surgery techniques to register physiologic parameters during the physical activity in animal model;
- the induction methods of treatment during the physical activity in animal model;
- gathering and handling tissues samples collected during the physical activity in animal model.

**BIBLIOGRAPHY:**

SAMPAIO, I. B. M. Estatística Aplicada à Experimentação Animal. Fund. de Ens. E Pesq. Em Med. Vet. E Zoot. 264 p. 2010.

SUCKOW, M. A., WEISBROTH, S. H., FRANKLIN, C. L. The Laboratory Rat. American College of Laboratory Animal Medicine. 928 p. 2005.