General Information

Course name and code	**Chronophysiology UBEV/CRO1/03**	**ECTS Credits**	**5**
		Semester	**1st (Winter) Master & Doctoral Degree**

Aims

To explain the importance of one of the basic features of livings things, the necessity of their adaptation to the motions of Earth around the Sun and around its axis. To mediate the contemporary knowledge about genetic, molecular and physiological mechanisms controlling rhythmical phenomena in the organisms.

Contents

Time structure of physiological variables in animals and man.Basic notions and categories of biological rhythms.The significance of biological rhythms in the evolution of organisms.The genetic basis and molecular mechanisms of biological clocks in various organisms. The multioscilatory system of the body. The significance of circadian rhythms for animal and human life. Application of chronobiologic principles in praxis.

Prerequisities: Animal Physiology.

Assessment Methods and Criteria

Test/oral examination.

Grading Scale (in %): A ... 100 - 91%, B ... 90 - 81%, C ... 80 - 71%, D ... 70 - 61%, E ... 60 - 51%, Fx ... < 51%

Grading System:

The University recognises the following six degrees for the evaluation of the study results:

a) A – excellent (excellent results) (numerical value 1)
b) B – very good (above average results) (1.5)
c) C – good (average results) (2)
d) D – satisfactory (acceptable results) (2.5)
e) E – sufficient (results meet the minimum criteria) (3)
f) FX –failed (requires further work) (4)

Bibliography