

General Information			
Course name and code	Animal Physiology UBEV/FZ1/10	ECTS Credits	6
		Semester	2nd (Summer) Bachelor Degree
Aims			
<p>This course introduces the students to the general concepts of animal physiology, the principles of homeostasis and of the homeostatic mechanisms. The students receive detailed information about the functioning of the organs of the body from macroscopic to molecular level. The development of the physiologic functions during phylogenesis is shortly overviewed, too.</p>			
Contents			
<p>Introduction to animal physiology. Homeostatic principles. Physiology of blood, heart and circulatory systems. Physiology of respiration. The hormonal control system. Basic neurophysiology. Functions of the nervous system. Excretory physiology. Mechanisms of muscle contraction and muscular work. Sensory physiology. Physiology of reproduction. Thermoregulatory mechanisms. Gastrointestinal physiology. Metabolism of the main nutrients. Acidobasic balance. Prerequisites: Cell biology Histology, Anatomy.</p>			
Assessment Methods and Criteria			
<p>Test/oral examination. Grading Scale (in %): A ... 100 - 91%, B ... 90 - 81%, C ... 80 - 71%, D ... 70 - 61%, E ... 60 - 51%, Fx ... < 51%</p> <p>Grading System: The University recognises the following six degrees for the evaluation of the study results:</p> <ul style="list-style-type: none"> 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			
<p>Hill, Wyse, Anderson: Animal Physiology. Sinauer Publ., 2008</p>			