

University: University of Presov in Presov					
Faculty: Faculty of Humanities and Natural Sciences					
Subject code: 2BIO/EROSJFYC/22			Subject name: Animal and human physiology		
Method of educational activities: lecture/exercise					
Number of ects: 5					
Semester: winter					
Degree of study: bachelor					
Evaluation: Semestral work, protocols, written exam of exercises (40 %) Exam (60 %)					
Education outcomes: Obtaining and applying knowledge about the activities of individual organ systems of humans and animals. Getting acquainted with the differences in morphology and function of individual species of animals and humans.					
Syllabus: Human and Animal Physiology - Importance, Distribution and History of Physiology. Basic composition of organisms. Nutrition, intake of substances into the body. Physiology of absorption and digestion of substances in the body. Physiology of blood and heart activity. Respiratory physiology. Energy transformation in the body. Phylogeny and the rules of thermoregulation. Physiology of excretion of substances from the body. Hormones. Physiology of nervous activity. Physiology of sensory organs and skin. Physiology of muscles and movement. Physiology of reproduction.					
Literature: Sherwood, L. Introduction of Human Physiology. BROOKS/COLE, CENGAGE Learning. ISBN 978-1-133-10454-4. 832pp. Marieb, E.N., Hoehn, K.N. Human Anatomy & Physiology. Pearson New International Edition. ISBN 978-1-292-02649-7. 1257pp. Schmidt-Nielsen, K. Animal Physiology. Adaptation and environment. Cambridge University Press. ISBN 978-0-521-57098-5. 612pp.					
Language: english					
Evaluation of subject:					
A	B	C	D	E	FX
Teacher: prof. MVDr. Janka Poráčová, PhD., MBA					
Date of last change: 28.08.2020					