

Title:	Human and Animal Physiology
Lecture hours:	30
Study period: (summer/winter)	winter
Number of credits:	5.00
Assessment methods:	Written test, scored questions Grading criteria: 91-100% - 5.0 81-90% - 4.5 71-80% - 4.0 61-70% - 3.5 51-60% - 3.0 ≤ 50% of the points - 2.0
Language of instruction:	English
Prerequisites:	Basics of biology and biochemistry
Course content:	<ul style="list-style-type: none"> • blood • circulatory system (physiology of the circulatory system, heart function, blood pressure) • respiratory system • musculoskeletal system (contractions of striated and smooth muscles) • digestive tract (functioning of individual sections of the digestive tract, digestion of nutrients) • nervous system (functioning of the nervous system, conduction of nerve impulses, senses) • excretory system (kidney function, urine composition) • basic metabolism and energy • reproductive system • endocrine system • physiology of lactation and components of human milk
Learning outcomes:	<p>W01 the student knows and understands the basic mechanisms of functioning of systems and organs in the body [K_W06]</p> <p>W02 analyzes the functions of organs based on selected physiological parameters [K_W09]</p> <p>U01 the student performs basic diagnostic tests [K_U01]</p> <p>U02 the student is able to plan and carry out simple physiological experiments [K_U04; K_U06; K_U08; K_U10]</p> <p>U03 the student uses basic laboratory equipment [K_U05]</p>
Name of lecturer	Katarzyna Łubiech
Contact (email address):	katarzyna.lubiech@ukw.edu.pl
Literature:	<ul style="list-style-type: none"> • Hansen J.T., Koepfen B. M., Netter's Atlas of Human Physiology, Elsevier, 2002 • Mulroney S., Myers A. Netter's Essential Physiology. Elsevier, 2009 • Kalat J. W. Biological Psychology. Wadsworth, Cengage Learning, Belmont, 2009 • Silbernagl S., Despopoulos A., Color Atlas of Physiology, Thieme, 2009