

Course: Biology basics	Course type: seminar	Credits: 3	Course ID: KTAK103
Course responsible: Dr. Géczi Róbert	Programme type: full time	Hours/Semester: 30	Assessment: exam
Course objectives: The students learn about biology in general and get knowledge about the main fields of this science; they can be able to understand the contexts between the parts and whole systems. The students can acquire those biological theories, logical abilities and methods that they need to use in practice or in reserach.			
Competencies to be improved: Knowledge: T1; T2; T7 Ability: K8 Attitude: A4 Autonomy and responsibility:			
Compulsory literature: <ul style="list-style-type: none"> - Prof. Árpád Dávid: Paleontology, EKF ttk, 2011 https://www.tankonyvtar.hu/hu/tartalom/tamop425/0038_foldrajz_palaeontologyda/adatok.html <ul style="list-style-type: none"> - Darwin, C. (1859): The Origin of Species 			
Recommended literature: Brehm, A. (1863): Brehm's Life of Animals Dawkins, R. (1976): The Selfish Gene; Oxford University Press			
Course content: The course comprises the following topics: <ul style="list-style-type: none"> - General description of the science of biology: definitions, history, major theories - Comparative anatomy and physiology of animals - Comparative anatomy and physiology of plants - Taxonomy - Evolution of wildlife, evolutionary biology - Basics of synbiology and ecology - Animal behaviour: ethology and behavioural ecology - Humanbiology, anthropology basics and the evolution of human - Classical and modern genetics - Basics of microbiology, molecular biology and biotechnology 			
Course requirements: <ul style="list-style-type: none"> - attendance at classes - assignments to submit - presentation of an own topic / research 			
Grading scale: 100-90%: excellent; 90-80%:good; 80-70%:satisfactory; 70-60%: pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2019_2020_1	Lecturer: Bettina Bakos	

Budapest, 2019. augusztus

Bakos Bettina