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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ PVS/04	Course name: Author's patents, discoveries, software
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 1	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚBEV/ BRS1/03		Course name: Biology of Plant Symbioses					
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present							
Number of ECTS credits: 3							
Recommended semester/trimester of the course:							
Course level: II., III.							
Prerequisites:							
Conditions for course completion:							
Learning outcomes: Introduction to biology and ecology of plant symbioses.							
Brief outline of the course: Morphological, cytological, physiological and biochemical aspects of the best known examples of plant symbioses. Lichens, mycorrhiza, symbiosis of flowering plants with nitrogen fixing bacteria, coral reefs symbioses and endosymbioses.							
Recommended literature: Van den Hoek, C. a kol. 1995: Algae, an introduction to phycology, Deacon, J.W. 1997: Modern Mycology							
Course language:							
Notes:							
Course assessment Total number of assessed students: 396							
A	B	C	D	E	FX	N	P
96.21	0.0	0.0	0.0	0.0	0.0	0.0	3.79
Provides: prof. RNDr. Martin Bačkor, DrSc.							
Date of last modification: 03.05.2015							
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.							

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚBEV/ CRO1/03		Course name: Chronophysiology					
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present							
Number of ECTS credits: 5							
Recommended semester/trimester of the course:							
Course level: II., III.							
Prerequisites:							
Conditions for course completion: Oral examination.							
Learning outcomes: To outline the problematics of the time organisation of biological processes and their significance in evolution of living organisms							
Brief outline of the course: 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 living things. The genetic basis and molecular mechanisms of biological clocks in animals. The endogenous character of biological rhythms. The multioscillatory system of the organism. The significance of circadian and seasonal rhythms for the animal and human life. The application of chrono-physiological principles.							
Recommended literature:							
Course language:							
Notes:							
Course assessment Total number of assessed students: 88							
A	B	C	D	E	FX	N	P
21.59	21.59	29.55	11.36	4.55	1.14	0.0	10.23
Provides: prof. RNDr. Beňadik Šmajda, CSc., RNDr. Natália Pipová, PhD.							
Date of last modification: 03.05.2015							
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.							

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ CM/04	Course name: Citation in monograph
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 20	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 0	
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ CZC/04	Course name: Citation in scientific journal published abroad
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 10	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 41	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ CDC/04	Course name: Citation in scientific journal published in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 5	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 5	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/SCI/04	Course name: Citation registered in Science Citation Index
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 20	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 63	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ SMPR/04	Course name: Co-worker of project supported by international grant schemes
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 15	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 39	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ SDPR/04	Course name: Co-worker of project supported by national grant schemes
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 397	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/DK/04	Course name: Conference in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 138	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚBEV/ CK1/03		Course name: Cytogenetics and Karyology					
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present							
Number of ECTS credits: 4							
Recommended semester/trimester of the course:							
Course level: II., III.							
Prerequisites:							
Conditions for course completion: written tests, protocols, oral examination							
Learning outcomes: To gain knowledge and experience in genetic processes at the cell level using the newest scientific findings of cytogenetics and molecular cytology. To get acquainted in detail with the results coming from human genome mapping.							
Brief outline of the course: Organisation of eukaryotic genome. Nuclear skeleton. Nucleolus, nucleolar skeleton. Chromatin structure and changes of chromatin. Levels of DNA organisation in cell nucleus. Chromosomes. Polythene chromosomes. Cell cycle. Genetic regulation of a cell cycle. Genetic regulation of cell differentiation. Apoptosis. Telomeres and function of telomerase. Molecular cytology. Basic characteristics of the Human genom project - what we can learn from it?							
Recommended literature: Russel, J.P.: Genetics, Third Edition, Harper Collins Publisher, New York 1992 Periodicals Internet sources							
Course language:							
Notes:							
Course assessment Total number of assessed students: 1289							
A	B	C	D	E	FX	N	P
24.9	14.58	15.67	14.58	17.61	11.71	0.0	0.93
Provides: prof. RNDr. Eva Čellárová, DrSc., RNDr. Katarína Bruňáková, PhD.							
Date of last modification: 03.05.2015							

Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ODZP/14	Course name: Defence of Doctoral Thesis
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 30	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 38	
N	P
0.0	100.0
Provides:	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/DZS/14	Course name: Dissertation examination
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 20	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites: ÚBEV/VEK3/11	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 51	
N	P
0.0	100.0
Provides:	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: CJP/AJD1/07		Course name: English Language for PhD Students 1			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present					
Number of ECTS credits: 2					
Recommended semester/trimester of the course: 1.					
Course level: III.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 584					
N	Ne	P	Pr	abs	neabs
0.0	0.0	56.85	0.0	43.15	0.0
Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD.					
Date of last modification: 03.10.2019					
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: CJP/AJD2/07		Course name: English Language for PhD Students 2			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present					
Number of ECTS credits: 3					
Recommended semester/trimester of the course: 2.					
Course level: III.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 569					
N	Ne	P	Pr	abs	neabs
0.0	0.0	92.44	1.41	6.15	0.0
Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD., Mgr. Barbara Mitříková					
Date of last modification: 26.02.2020					
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ NEM/04	Course name: Implementation of new experimental methodology
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 15	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 75	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ MK/04	Course name: International Conference
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 6	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 213	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/DKZU/04	Course name: International conference taking place in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 114	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ ZNC/04	Course name: Journals not registered in the Current Contents Connect database and published abroad
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 5	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 54	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ DNC/04	Course name: Journals not registered in the Current Contents Connect database and published in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 5	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 42	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ ZKC/04	Course name: Journals registered in the Current Contents Connect database and published abroad
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 20	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 245	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/DKC/04	Course name: Journals registered in the Current Contents Connect database and published in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 15	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 16	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ NZ/04	Course name: Non-reviewed collections of papers and monographs published abroad or in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 125	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ RZ/04	Course name: Peer-reviewed collections of papers and monographs published abroad or in in the country of residence
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 5	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 281	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ EFR/08	Course name: Plant Ecophysiology
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 2 Per study period: 42 / 28 Course method: present	
Number of ECTS credits: 8	
Recommended semester/trimester of the course: 2.	
Course level: III.	
Prerequisites:	
Conditions for course completion: Benchmark during semester. Oral examination.	
Learning outcomes: The main goal of the course is to gain basic knowledge on plant ecophysiology.	
Brief outline of the course: Basics of plant physiology - abiotic and biotic stress, specific and inspecific responses to stress, methods of stress level evaluation. Importance of selected stress factors - light, temperature, shortage of oxygen and water, osmotic stress, heavy metals, xenobiotics and biotic interactions (allelopathy, symbiosis, pathogenic organisms).	
Recommended literature: Larcher, W.: Physiological Plant Ecology, Springer, 2003, 513 pp. Schulze, E.D., Beck, E., Muller-Hohenstein, K.: Plant Ecology, Springer, 2002, 702 pp.	
Course language: English language.	
Notes:	
Course assessment Total number of assessed students: 33	
N	P
0.0	100.0
Provides: prof. RNDr. Martin Bačkor, DrSc.	
Date of last modification: 05.10.2017	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/RR/08	Course name: Plant Reproduction
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present	
Number of ECTS credits: 8	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes: To obtain knowledge of basic teoretical and practical problems in plant reproduction.	
Brief outline of the course: Plant reproduction biology in history. Evolutionary trends of plant reproduction. Reproductive structures of ferns and seed plants. Male and female gametophyte. Fertilization, endosperm, embryo. Phenological data in plant reproduction. Ultraviolet reflectance and absorbance of reproductive structures. Pollination vectors. Nectar. Seed dispersion. Reproduction systems in plants. Panmixis, automixis, apomixis. Evolution importance of reproductive systems.	
Recommended literature: Erdelská O., Embryológia krytosemenných rastlín. - Veda, vyd. SAV., Bratislava, 1981. Horandl E., Grossniklaus U., van Dijk P. J., Sharbel T. F.: Apomixis. Evolution, Mechanisms and Perspectives. - A.R.G. Gantner Verlag K. G., Rugell, Liechtenstein, 2007. Richards A.J.: Plant Breeding Systems. 2nd. ed. - Chapman & Hall, London, 1997. Simpson M. G.: Plant Systematics. - Elsevier - Academic Press, 2006. Stuessy T. F.: Plant Taxonomy. - Columbia University Press, New York, 2009.	
Course language:	
Notes:	
Course assessment Total number of assessed students: 22	
N	P
0.0	100.0
Provides: prof. RNDr. Pavol Mártonfi, PhD.	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ ZSP/04	Course name: Realisation of study/research stay abroad
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 6., 8.	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 95	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/IG/04	Course name: Receiving a grant under Internal Scientific Grant System (VVGS)
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 10	
Recommended semester/trimester of the course: 6., 8.	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 150	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ VPBB/11	Course name: Review of a Bachelor Thesis
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 17	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/SSOL/04	Course name: Samostatné štúdium odbornej literatúry
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 239	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ SMR/08	Course name: Sekundárny metabolizmus rastlín
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present	
Number of ECTS credits: 6	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 17	
N	P
0.0	100.0
Provides: prof. RNDr. Miroslav Repčák, DrSc.	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ VKFR/08	Course name: Selected Plant physiology chapters
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 2 Per study period: 42 / 28 Course method: present	
Number of ECTS credits: 8	
Recommended semester/trimester of the course: 1.	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 28	
N	P
0.0	100.0
Provides: prof. RNDr. Miroslav Repčák, DrSc.	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: Dek. PF UPJŠ/JSD/14	Course name: Spring School for PhD Students
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: Per study period: 4d Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 135	
abs	n
100.0	0.0
Provides: prof. RNDr. Vladimír Zeleňák, DrSc.	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ VPSV/04	Course name: Supervision of Student's Scientific Activity
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 6	
Recommended semester/trimester of the course: 6., 8.	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 18	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/VYS/04	Course name: Talk given at scholar seminars of department or institute
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 226	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ PPC/04	Course name: Teaching activities
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 1	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 462	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ PPC/04	Course name: Teaching activities
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 1	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 462	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ POVK/04	Course name: Work in Organizing Committee of Conference
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 45	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ PDS/14	Course name: Writing Dissertation Work
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of ECTS credits: 0	
Recommended semester/trimester of the course: 4.	
Course level: III.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 38	
abs	n
100.0	0.0
Provides:	
Date of last modification:	
Approved: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Miroslav Repčák, DrSc., prof. RNDr. Martin Bačkor, DrSc.	