University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
<b>Course ID:</b> KFaI AFS/05	DF/ <b>Course na</b>	me: Ancient Ph	ilosophy and Pre	esent Times	
Course type, sco Course type: Pr Recommended Per week: 2 Per Course method	ractice course-load (he r study period: : present	ours):			
Number of credi					
Recommended s	emester/trimes	ter of the cours	e: 2.		
Course level: II.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	iterature:				
Course language	2:				
<b>Course assessme</b> Total number of a	-	ts: 31			
A	В	С	D	E	FX
80.65	6.45	6.45	0.0	6.45	0.0
Provides: Doc. P	hDr. Peter Nezr	ník, CSc.	-	<u>.</u>	
Date of last mod	ification: 31.08	.2017			
Approved:	, , , , , , , , , , , , , , , , , , ,				

University: P. J. Šaf	árik Universi	ity in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚBEV/ BFR/14	Course na	me: Botany and	Plant Physiolog	у	
Course type, scope Course type: Recommended cou Per week: Per stu Course method: p	urse-load (ho dy period: resent				
Number of credits:					
Recommended sem	ester/trimes	ter of the cours	2:		
Course level: II.					
Prerequisities:					
Conditions for cou	rse completio	on:			
Learning outcomes	•				
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
<b>Course assessment</b> Total number of ass	essed student	ts: 19			
A	В	С	D	Е	FX
47.37	21.05	21.05	5.26	5.26	0.0
Provides:				·1	
Date of last modific	cation: 23.02	.2018			
Approved:					

	: P. J. Safári	k University i	n Košice				
Faculty: Fa	aculty of Sci	ence					
Course ID BRS1/03	: ÚBEV/	Course name	: Biology of	Plant Symbi	oses		
Course ty Recomme Per weeks	pe: Lecture ended cours	d the method e-load (hours y period: 28 ent					
Number of	f credits: 3						
Recommer	nded semest	er/trimester	of the cours	e:			
Course lev	el: II., III.						
Prerequisit	ties:						
Conditions	s for course	completion:					
Learning o Introductio		and ecology	- <b>f</b> 1 +	1:			
	ne of the co		of plant sym	ibioses.			
<b>Brief outlin</b> Morpholog plant symb	ne of the con gical, cytolog pioses. Liche		ogical and bi za, symbiosis	ochemical as	1		1
Brief outlin Morpholog plant symb coral reefs Recommen Van den Ho	ne of the con gical, cytolog bioses. Liche symbioses a nded literation	urse: gical, physiolo ns, mycorrhiz and endosymb	ogical and bi za, symbiosis bioses. e, an introduc	ochemical as of flowering	g plants with		1
Brief outlin Morpholog plant symb coral reefs Recommen Van den Ho	ne of the con- gical, cytolog bioses. Liche symbioses a nded literation oek, C. a kologi W. 1997: Mo	urse: gical, physiolo ns, mycorrhiz and endosymb ure: l. 1995: Algae	ogical and bi za, symbiosis bioses. e, an introduc	ochemical as of flowering	g plants with		1
Brief outlin Morpholog plant symb coral reefs Recommer Van den He Deacon, J. <sup>7</sup> Course lan Course ass	ne of the con- gical, cytolog- pioses. Liche symbioses a nded literation oek, C. a kologe W. 1997: Mo- nguage: ressment	urse: gical, physiolo ns, mycorrhiz and endosymb ure: l. 1995: Algae	ogical and bi za, symbiosis bioses. e, an introduce gy	ochemical as of flowering	g plants with		1
Brief outlin Morpholog plant symb coral reefs Recommer Van den He Deacon, J. <sup>7</sup> Course lan Course ass	ne of the con- gical, cytolog- pioses. Liche symbioses a nded literation oek, C. a kologe W. 1997: Mo- nguage: ressment	urse: gical, physiolo ns, mycorrhiz and endosymb ure: l. 1995: Algae odern Mycolo	ogical and bi za, symbiosis bioses. e, an introduce gy	ochemical as of flowering	g plants with		1
Brief outlin Morpholog plant symb coral reefs Recommer Van den He Deacon, J. Course lan Course ass Total numb	ne of the con- gical, cytolog- bioses. Liche symbioses a nded literatu oek, C. a kol W. 1997: Mo- nguage: sessment per of assess	urse: gical, physiolo ns, mycorrhiz and endosymb ure: l. 1995: Algae odern Mycolo ed students: 3	ogical and bi za, symbiosis bioses. e, an introduc gy	ochemical as of flowering etion to phyc	ology,	nitrogen fixi	ng bacteria
Brief outlin Morpholog plant symb coral reefs Recommer Van den He Deacon, J. Course lan Course ass Total numb A 96.63	ne of the consistent of the constant o	urse: gical, physiolo ns, mycorrhiz and endosymb ure: l. 1995: Algae odern Mycolo ed students: 3	ogical and bi za, symbiosis pioses. e, an introduc gy 886 D 0.0	ochemical as of flowering etion to phyc	g plants with ology, FX	nitrogen fixi	ng bacteria
Brief outlin Morpholog plant symb coral reefs Recommer Van den He Deacon, J. Course lan Course ass Total numb A 96.63 Provides: p	ne of the consistent of the constant o	urse: gical, physiolo ns, mycorrhiz and endosymb ure: l. 1995: Algae odern Mycolo ed students: 3 C 0.0	ogical and bi za, symbiosis pioses. e, an introduc gy 886 D 0.0 or, DrSc.	ochemical as of flowering etion to phyc	g plants with ology, FX	nitrogen fixi	ng bacteria

<b>University</b> :	P. J. Šafári	k University in	n Košice				
Faculty: Fa	culty of Sc	ience					
<b>Course ID:</b> BTR1/06	ÚBEV/	Course name:	Plant Biote	chnology			
Course ty Recomme Per week:	pe: Lecture nded cours	se-load (hours tudy period: 2	s):				
Number of	credits: 6						
Recommen	ded semes	ter/trimester	of the cours	e:			
Course leve	el: I., II., II	[					
Prerequisit	ies:						
	icipation at	<b>completion:</b> the practicals,	, written test,	protocols,			
<b>Learning o</b> To gain the		l practical kno	wledge on p	lant tissue cu	lture in vitro		
embryoids research an	plant tissue and organ d praxis. Cr	urse: culture. Genet s cultured in yopreservation ts and express	vitro under n of plant cel	sterile cond ls and tissues	itions. Use a	of the tissue	e culture ir
	t al.: Plant H Ed.): An Int	Biotechnology. roduction to N					601 pp.
Course lan	guage:						
<b>Course ass</b> Total numb		sed students: 1	44				
А	В	C	D	Е	FX	Ν	Р
38.19	18.75	14.58	8.33	11.81	3.47	0.0	4.86
	rof RNDr	Eva Čellárová	i, DrSc., RN	Dr. Katarína	Nigutová Pl	1D	
Provides: p					1.1.8.1.0.1.1.	ID.	
		ion: 23.02.201	8		1.1.8000 100, 11		

University:	P. J. Šafárik	University in	n Košice				
Faculty: Fac	culty of Scie	ence					
<b>Course ID:</b> CK1/03	ÚBEV/ C	ourse name:	Cytogenetic	s and Karyo	ology		
Course typ Recommen	e: Lecture / ded course 1 / 2 Per st	e-load (hours udy period:	s):				
Number of	credits: 4						
Recommend	led semest	er/trimester	of the course	<b>)</b> •			
Course leve	<b>I:</b> II., III.						
Prerequisiti	es:						
<b>Conditions</b> written tests protocols, oral examination	,	• · ·					
scientific fir	wledge and dings of cy	-	d moleculoa		e cell level usi To get acquair	-	
structure an Polythene c cell differen	n of eukary d changes of hromosome tiation. App	otic genome. of chromatin. es. Cell cycle	Levels of D e. Genetic re neres and fu	NA organis gulation of nction of te	eolus, nucleol ation in cell r a cell cycle. lomerase. Mo arn from it?	nucleus. Chi . Genetic re	romosomes. egulation of
Recommend Russel, J.P.: New York 1 Periodicals Internet sou	Genetics, 7 992	ure: Third Edition,	Harper Coll	ins Publishe	er,		
Course lang	uage:						
Course asse		ed students: 1	207				
A	B	C C	D	Е	FX	N	Р
24.86	14.66	15.49	14.83	17.4	11.76	0.0	0.99
					   Bruňáková, l		<u> </u>
-		on: 23.02.201					
Approved:							
II		1					

University:	P. J. Šafár	ik University i	n Košice				
Faculty: Fac	culty of Sc	cience					
<b>Course ID:</b> CRO1/03	ÚBEV/	Course name:	: Chronophy	siology			
Course typ Recommen	be: Lecture nded cour 2 / 1 Per s	se-load (hours study period: 1	s):				
Number of	credits: 5						
Recommend	ded semes	ster/trimester	of the cours	e:			
Course leve	<b>l:</b> II., III.						
Prerequisiti	es:						
<b>Conditions</b> Oral examin		e completion:					
in evolution Brief outline Time struct biological rl genetic basis	he problem of living e of the co ure of phy hythms. T s and mole	ourse: ysiological var he significance ecular mechani	iables in ani e of biologic sms of biolog	mals and m al rhythms i gical clocks	nan. Basic no in the evoluti in animals. Th	otions and ca on of living he endogeno	ategories of things. The us character
-	-	The multioses for the anima		-	-	-	
Recommend	ded litera	ture:					
Course lang	guage:						
Course asse Total numbe		sed students: 8	6				
А	В	С	D	Е	FX	N	Р
					1		
22.09	22.09	29.07	11.63	4.65	0.0	0.0	10.47
		29.07 Beňadik Šma					10.47
Provides: pr	rof. RNDr		jda, CSc., RI				10.47

University: P. J.	Safárik Univers	ity in Košice			
Faculty: Faculty	of Science				
<b>Course ID:</b> KFal DF2p/03	DF/ <b>Course na</b>	<b>me:</b> History of ]	Philosophy 2 (Ge	eneral Introductio	on)
Course type, sco Course type: Le Recommended Per week: 2 / 1 Course method	ecture / Practice course-load (h Per study perio	ours):			
Number of credi	its: 4				
Recommended s	emester/trimes	ter of the cours	e:		
Course level: I.,	II.				
Prerequisities:					
Conditions for c	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	iterature:				
Course language	2:				
Course assessme Total number of	-	ts: 738			
А	В	С	D	Е	FX
60.84	13.82	12.6	8.67	3.39	0.68
Provides: doc. Pl Katarína Mayerov		· · ·	· · · · · · · · · · · · · · · · · · ·	eter Nezník, CSo	c., PhDr.
Date of last mod	ification: 31.08	.2017			
Approved:					

University: P. J. Ša	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
<b>Course ID:</b> ÚBEV DNR/06	Course na	me: Dendrology	Į		
Course type, scop Course type: Lec Recommended c Per week: 2 / 2 P Course method:	ture / Practice ourse-load (h er study perio	ours):			
Number of credits	s: 5				
Recommended ser	mester/trimes	ster of the cours	e:		
Course level: II.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcome	28:				
Basic knowledge of Morphological sig distribution. Intras Selected chapters to Application of woo urban environment occurrence, measure expansion and inve	ns of woody p pecific variable from seed proc ody plants in g t. Protected an res of protecti	plants, ecological ility, growth forr duction and tree garden and lands ad memorial trees on and treating.	requirements, gens and their use. nursery of woody cape architecture s, databasis of	eographic y plants. in	
Recommended lite	erature:				
Course language:					
Course assessmen Total number of as		ts: 58			
A	В	С	D	Е	FX
63.79	17.24	8.62	10.34	0.0	0.0
Provides: doc. RN	Dr. Sergej Mo	ochnacký, CSc., 1	Ing. Peter Kelbel,	, Dr.	·
Date of last modif	ication: 23.02	2.2018			

University: P. J. Šaf	ărik Universi	ty in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚBEV/ DPO/14	Course na	<b>me:</b> Diploma Tł	nesis and its Defe	ence	
Course type, scope Course type: Recommended cou Per week: Per stu Course method: p	urse-load (ho dy period:				
Number of credits:	20				
Recommended sem	ester/trimest	er of the cours	e:		
Course level: II.					
Prerequisities:					
Conditions for cou	rse completio	on:			
Learning outcomes	•				
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
Course assessment Total number of ass	essed student	s: 148			
A	В	С	D	Е	FX
56.08	29.05	9.46	3.38	2.03	0.0
Provides:					
Date of last modific	cation: 23.02.	2018			
Approved:					

	of Science				
<b>Course ID:</b> ÚBE EB1/99	EV/ Course na	<b>me:</b> Evolutiona	ry Biology		
	ecture course-load (h r study period:	ours):			
Number of cred	its: 3				
Recommended s	semester/trimes	ster of the cours	<b>e:</b> 3.		
Course level: II.					
Prerequisities:					
Conditions for c written test	course completi	on:			
	ne fundamentals gin and evolutio			idence supporting ad the mechanism	
Historical overv	iew of evolution				
population wave classification. C of onthogeny. P	es, and isolation oncept of specie Phylogeny of an ondary speciation	n. Natural select es. Macroevoluti nimals. Evolution n of plants. Repro	ion. Molecular e on. Evolution of nary progress. A oduction-isolatio	evolution. Adapta functions and or nthropogenesis. n mechanisms. Hy	ations and their gans, evolution Plant diversity
population wave classification. C of onthogeny. P Primary and secc introgression of <b>Recommended</b>	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid literature: Evolutionary bi	n. Natural select es. Macroevolution imals. Evolution n of plants. Reproductive dy. Reproductive ology, Sinauer A	ion. Molecular e on. Evolution of nary progress. A oduction-isolation e systems in plan	evolution. Adapta functions and or nthropogenesis. n mechanisms. Hy	ations and thei gans, evolution Plant diversity ybridisation and
population wave classification. C of onthogeny. P Primary and secc introgression of <b>Recommended</b> I Futuyama, D.J.: Dobzhansky T. e	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid <b>literature:</b> Evolutionary bi et al.: Evolution.	n. Natural select es. Macroevolution imals. Evolution n of plants. Reproductive dy. Reproductive ology, Sinauer A	ion. Molecular e on. Evolution of nary progress. A oduction-isolation e systems in plan	evolution. Adapta functions and or inthropogenesis. n mechanisms. Hy ts.	ations and thei gans, evolution Plant diversity ybridisation and
population wave classification. C of onthogeny. P Primary and secc introgression of <b>Recommended</b> I Futuyama, D.J.:	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid literature: Evolutionary bi et al.: Evolution. e: ent	n. Natural select es. Macroevolution imals. Evolution n of plants. Repro- dy. Reproductive ology, Sinauer A San Francisco 1	ion. Molecular e on. Evolution of nary progress. A oduction-isolation e systems in plan	evolution. Adapta functions and or inthropogenesis. n mechanisms. Hy ts.	ations and thei gans, evolution Plant diversity ybridisation and
population wave classification. C of onthogeny. P Primary and secc introgression of <b>Recommended I</b> Futuyama, D.J.: Dobzhansky T. e <b>Course languag</b>	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid literature: Evolutionary bi et al.: Evolution. e: ent	n. Natural select es. Macroevolution imals. Evolution n of plants. Repro- dy. Reproductive ology, Sinauer A San Francisco 1	ion. Molecular e on. Evolution of nary progress. A oduction-isolation e systems in plan	evolution. Adapta functions and or inthropogenesis. n mechanisms. Hy ts.	ations and thei gans, evolution Plant diversity ybridisation and
population wave classification. C of onthogeny. P Primary and secce introgression of <b>Recommended I</b> Futuyama, D.J.: Dobzhansky T. e <b>Course languag</b> <b>Course assessme</b> Total number of	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid literature: Evolutionary bi et al.: Evolution. e: ent 'assessed studen	n. Natural select es. Macroevolution imals. Evolution n of plants. Repro- dy. Reproductive ology, Sinauer A San Francisco 1	ion. Molecular e on. Evolution of nary progress. A oduction-isolatio e systems in plan associates, Sunde 977.	evolution. Adapta functions and or anthropogenesis. n mechanisms. Hy- ts. rland, 3rd ed., 19	ations and thei gans, evolution Plant diversity ybridisation and 97.
population wave classification. C of onthogeny. P Primary and secce introgression of <b>Recommended</b> I Futuyama, D.J.: Dobzhansky T. e <b>Course languag</b> <b>Course assessme</b> Total number of A 11.4	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid <b>literature:</b> Evolutionary bi et al.: Evolution. e: ent 'assessed studen B 24.3 RNDr. Pavol Má	n. Natural select es. Macroevoluti limals. Evolution n of plants. Repro- dy. Reproductive ology, Sinauer A San Francisco 1 ts: 535 C 23.93	ion. Molecular e on. Evolution of hary progress. A oduction-isolatio e systems in plan ssociates, Sunde 977. D 24.67	Evolution. Adapta functions and or anthropogenesis. n mechanisms. Hy ts. rland, 3rd ed., 19	ations and thei gans, evolution Plant diversity ybridisation and 97. FX 1.87
population wave classification. C of onthogeny. P Primary and secce introgression of <b>Recommended I</b> Futuyama, D.J.: Dobzhansky T. e <b>Course languag</b> <b>Course assessme</b> Total number of A 11.4 <b>Provides:</b> prof. F	es, and isolation oncept of specie Phylogeny of an ondary speciation plants. Polyploid <b>literature:</b> Evolutionary bi et al.: Evolution. e: ent assessed studen B 24.3 RNDr. Pavol Má	n. Natural select es. Macroevoluti imals. Evolution n of plants. Repro- dy. Reproductive ology, Sinauer A San Francisco 1 ts: 535 C 23.93 rtonfi, PhD., pro-	ion. Molecular e on. Evolution of hary progress. A oduction-isolatio e systems in plan ssociates, Sunde 977. D 24.67	Evolution. Adapta functions and or inthropogenesis. n mechanisms. Hy ts. rland, 3rd ed., 19 E 13.83	ations and thei gans, evolution Plant diversity ybridisation and 97. FX 1.87

	CC	OURSE INFORM	IATION LETT	ſER	
University: P. J. Šaf	ärik Univers	sity in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚBEV/ EFZ1/03	Course na	ame: Animal and	human ecophys	siology	
Course type, scope Course type: Lect Recommended co Per week: 2 / 2 Pe Course method: p	ure / Practice urse-load (h r study peri	e ours):			
Number of credits:	6				
Recommended sem	ester/trime	ster of the course	2.		
Course level: II.					
Prerequisities:					
<b>Conditions for cou</b> Seminar. Test.	rse complet	ion:			
Learning outcomes The aim of lectures and extreme environ	is to provide		owledge of ada	ptations to enviro	nmental factors
<b>Brief outline of the</b> Environmental fact - general adaptation pain, inflammation fasting, starvation, of to hypobaria and hy Biotransformation. tumor supressor gen	ors, reaction n syndrom. , apoptosis, overfeeding. perbaria. Ad Xenobiotics	Physiology and necrosis. Aging Thermoregulatio aptations to hyper in air, water and	pathology of Regulation of n. Hibernation, gravity and mic soil. Drugs of al	adaptation mecha f food intake. Fo estivation, diapau rogravity. Electron	anisms - fever, ood adapations, ise. Adaptations magnetic fields.
Recommended liter 1. Wilmer P and co. 2. Chown SL, Nicol	: Environme	,		Ũ	
Course language:				-	
<b>Course assessment</b> Total number of ass	essed studer	nts: 399			
A	В	C	D	Е	FX
14.29	23.06	22.06	22.81	16.54	1.25
Provides: doc. RND	Dr. Bianka B	ojková, PhD.			
Date of last modifie	cation: 23.02	2.2018			
Approved:					

University: P. J. Šafa	árik Universi	ty in Košice			
Faculty: Faculty of S	Science				
<b>Course ID:</b> ÚBEV/ EKR1/03	Course na	me: Plant Ecolo	gy		
Course type, scope a Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	re / Practice Irse-load (he study perio	ours):			
Number of credits:	6				
Recommended sem	ester/trimes	ter of the cours	e: 2.		
Course level: II.					
Prerequisities:					
Conditions for cour	se completio	on:			
Learning outcomes Introduction to Plant					
<b>Brief outline of the</b> Basic problems of p between individuals of populations and s	lant integrati and populati	on, dynamics of	the populations.	Interactions betwe	
<b>Recommended liter</b>	ature:				
Course language:					
<b>Course assessment</b> Total number of asse	essed student	ts: 239			
A	В	С	D	Е	FX
72.8	16.74	6.28	2.51	1.67	0.0
Provides: prof. RND	Pr. Martin Ba	čkor, DrSc.	1	<u>l</u>	1
Date of last modific	ation: 23.02	.2018			
Approved:					

Faculty: Faculty					
• •	y of Science				
Course ID: ÚB ER1/01	EV/ Course 1	name: Plant Embry	yology		
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	Lecture / Praction l course-load ( l Per study per	ce hours):			
Number of crea	lits: 3				
Recommended	semester/trim	ester of the course	e:		
Course level: II	•				
Prerequisities:					
<b>Conditions for</b> Oral examination	-	tion:			
Learning outco To provide the s Brief outline of	students with th	e general principle	es of embryogen	esis of the seed p	lants
female gametoj synergids, antip Microsporogene fertilization. Do	phyte. Ovule, podals and polar esis. Pollen gr	osperms plants. S nucellus and integ nuclei. Types the ain. Generative a	guments. Megas embryo sacs. De nd tube nucleur	porogenesis. Em velopment of ma s. Pollen tube.	ıbryo sac. Egg le gametophyte
Plumule, cotyle in vitro.		Development of t			edonous plants)
in vitro. <b>Recommended</b> Johri, B.M. (198	dones, radicel. literature: 84)Plant embry ven, P.H., Evert		he seed. Apomiz	xis. Developmen	edonous plants) t the embryoids ag, Berlin,
in vitro. <b>Recommended</b> Johri, B.M. (199 Heidelberg. Rav and Company, N	dones, radicel. literature: 84)Plant embry ven, P.H., Evert New York	Development of t ology:Embryogen	he seed. Apomiz	xis. Developmen	edonous plants) t the embryoids ag, Berlin,
in vitro. <b>Recommended</b> Johri, B.M. (198 Heidelberg. Ray	dones, radicel. literature: 84)Plant embry ven, P.H., Evert New York ge: ent	Development of t ology:Embryogen , R.F. and Eichhor	he seed. Apomiz	xis. Developmen	edonous plants) t the embryoids ag, Berlin,
in vitro. <b>Recommended</b> Johri, B.M. (198 Heidelberg. Ray and Company, M <b>Course languag</b> <b>Course assessm</b>	dones, radicel. literature: 84)Plant embry ven, P.H., Evert New York ge: ent	Development of t ology:Embryogen , R.F. and Eichhor	he seed. Apomiz	xis. Developmen	edonous plants) t the embryoids ag, Berlin,
in vitro. <b>Recommended</b> Johri, B.M. (198 Heidelberg. Rav and Company, P <b>Course languag</b> <b>Course assessm</b> Total number of	dones, radicel. literature: 84)Plant embry 7en, P.H., Evert New York ge: ent f assessed stude	Development of t ology:Embryogen , R.F. and Eichhorn	he seed. Apomiz y of Angiosperm n S.E. (2003) Bio	xis. Developmen	edonous plants) t the embryoids ag, Berlin, W.H.Freeman
in vitro. <b>Recommended</b> Johri, B.M. (198 Heidelberg. Ray and Company, N <b>Course languag</b> <b>Course assessm</b> Total number of A 46.72	dones, radicel. literature: 84)Plant embry yen, P.H., Evert New York ge: ent Fassessed stude B 29.51	Development of t ology:Embryogeny , R.F. and Eichhorn ents: 122 C 13.93	he seed. Apomiz y of Angiosperm n S.E. (2003) Bio	xis. Developmen ns. Springer-Verla ology of Plants. V	edonous plants) t the embryoids ag, Berlin, W.H.Freeman FX
in vitro. <b>Recommended</b> Johri, B.M. (198 Heidelberg. Ray and Company, N <b>Course languag</b> <b>Course assessm</b> Total number of A	dones, radicel. literature: 84)Plant embry yen, P.H., Evert New York ge: ent Fassessed stude B 29.51 r. Lenka Marton	Development of t ology:Embryogeny , R.F. and Eichhorn ents: 122 C 13.93 nfiová	he seed. Apomiz y of Angiosperm n S.E. (2003) Bio	xis. Developmen ns. Springer-Verla ology of Plants. V	edonous plants) t the embryoids ag, Berlin, W.H.Freeman FX

L'ooulty, L'ooulty	6 G .				
	of Science				
<b>Course ID:</b> ÚBE ETO1/03	V/ Course na	ame: Ethology			
Course type, sco Course type: Lo Recommended Per week: 2 / 2 Course method	ecture / Practice course-load (h Per study peri	e iours):			
Number of credi	<b>ts:</b> 6				
Recommended s	emester/trime	ster of the cours	e:		
Course level: II.					
Prerequisities:					
<b>Conditions for c</b> Recognition. Written examina		ion:			
Learning outcom To teach the stud biological scienc	ents to know a	nd to be aware of	the importance	of the behavioura	al aspect in
simplest forms of Social behaviour	elopment of eth of learning – c Sexual behavi s. Communicat	onditioning and iour. Play behavio ion systems of an	instrumental lea our. Biological r	e innate forms of arning. Higher fo hythms. Orientati Aggression in an	orm of learning
Recommended I		Einfuhrung in di	e Ethologie. Geo	org Thieme-Verlag	
Franck, D.: Verh Manning, A., Da 1992	-	-	o animal behavio	our. Cambridge U	
Manning, A., Da	wkins, M. S.: A	-	o animal behavio	bur. Cambridge U	
Manning, A., Da 1992	wkins, M. S.: A	An introduction to	o animal behavio	our. Cambridge U	
Manning, A., Da 1992 Course language Course assessme	wkins, M. S.: A	An introduction to	D animal behavio	E	
Manning, A., Da 1992 Course language Course assessme Total number of	wkins, M. S.: A	An introduction to		-	niversity Press
Manning, A., Da 1992 Course language Course assessme Total number of A 39.68	wkins, M. S.: A	An introduction to nts: 930 C 25.7	D 7.96	E	FX 0.11
Manning, A., Da 1992 Course language Course assessme Total number of A 39.68	wkins, M. S.: A e: ent assessed studer B 24.73 Igor Majláth, H	An introduction to ts: 930 C 25.7 PhD., RNDr. Nata	D 7.96	E 1.83	FX 0.11

FG/14 Course type, scope an Course type: Lecture Recommended course	Course name: Functional genomics
FG/14 Course type, scope an Course type: Lecture Recommended course	Course name: Functional genomics
Course type: Lecture Recommended cours	
<b>Course method:</b> pres	e / Practice se-load (hours): study period: 28 / 28
Number of credits: 5	
Recommended semes	ster/trimester of the course: 2.
Course level: II., III.	
Prerequisities:	
C <b>onditions for course</b> Active participation in	e <b>completion:</b> n practical and theoretical courses
genes, RNA transcript their genome-wide app rather than a more trac	attempts to answer questions about the function of DNA at the levels of ts, and proteins. A key characteristic of functional genomics studies is proach to these questions, generally involving high-throughput methods ditional "gene-by-gene" approach. The outcome of this course will be approaches and methods used in functional genomics and their application in practice.
<ul> <li>input of genome seque</li> <li>Genome-wide revers</li> <li>use in functional geno</li> <li>Transcriptomics: me</li> <li>Proteomics: method analysis, data mining</li> <li>Metabolomics: method data analysis, data mir</li> <li>Interactomics - proteorics</li> <li>Biological databases</li> </ul>	tional genomics onal genomics: sequenced model organisms, conceptual and methodologica encing, structural vs. functional genome annotation be genetics: techniques to create collections of genome-wide mutants and their omics othods to obtain transcriptome data, data analysis, data mining ds to obtain proteome data, quantitative vs. qualitative proteomics, data
Recommended literat Internet sources, Powe	
C <b>ourse language:</b> English	

А	В	С	D	Е	FX	N	Р			
25.27	25.27	25.27	6.59	12.09	2.2	0.0	3.3			
	Provides: RNDr. Katarína Bruňáková, PhD., RNDr. Andrea Kimáková, PhD., RNDr. Katarína Nigutová, PhD., RNDr. Linda Petijová, PhD., RNDr. Andrea Schreiberová, PhD.									
Date of last	modificatio	on: 23.02.201	18							
Approved:										

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
<b>Course ID:</b> ÚBE FG1/03	EV/ Course na	ame: Phytogeog	raphy		
Course type, sco Course type: L Recommended Per week: 2 / 1 Course method	ecture / Practice course-load (h Per study peri	e ours):			
Number of cred	its: 5				
Recommended s	semester/trime	ster of the cours	se:		
Course level: I.,	II.				
Prerequisities:					
<b>Conditions for c</b> Written work. Exam.	course completi	on:			
<b>Learning outcom</b> To obtain theore		al knowledge fro	om phytogeograp	bhy.	
endemites, vicar ages. Postglacia geography: from Geographical or	ogeography. Pla iancy, floral ele l evolution of S n tropical rainf igin of cultivate works. Preparin	ments. Main cou lovak vegetation orests to tundra d plants. ng of maps. Ph	urse of florogene n. Regional phyto s. Changes of e	y, area, area disj sis since paleozo ogeography of E arth vegetation a division of Slo	ic to quaternary arth. Vegetation and their study.
Recommended I Hendrych R.: Fy Brown J. H., Lo	togeografie S			es, Sunderland, 19	998.
Course languag	e:				
Course assessme Total number of		ts: 349			
A	В	С	D	E	FX
38.97	22.35	21.49	8.02	8.31	0.86
Provides: prof. I	RNDr. Pavol Má	rtonfi, PhD., Mg	gr. Vladislav Kol	arčik, PhD.	
Date of last mod	lification: 23.02	2.2018			

		rsity in Košice						
Faculty: Faculty	y of Science							
Course ID: ÚB FRV1/03	EV/ Course r	V/ <b>Course name:</b> Physiology of Plant Growth and Development						
Recommended	Lecture / Practic d course-load ( 2 Per study per	ce hours):						
Number of crea	dits: 6							
Recommended	semester/trim	ester of the cours	<b>e:</b> 2.					
Course level: II								
Prerequisities:								
Conditions for	course comple	tion:						
<b>Learning outco</b> To learn about b		nd approaches in	physiology of pla	ant growth and d	evelopment			
Brief outline of								
Growth and m transport, phys and abscisic as ecological func dormancy. Regu	orphogenesis: iological and c cid. Photomorp tions, molecula ulation of flowe	phases and kinet developmental eff phogenesis and e ar mechanisms. B ering. Senescence d nastic movemen	ics; differentiation fects; auxin, gib tiolation. Phytod flue-light respon and programmed	on. Hormones: 1 berellins, cytoki chrome: properti ses. Rhythms. C l cell death. Orien	metabolism and innins, ethylene ies, physiology Germination and			
Growth and m transport, phys and abscisic a ecological func dormancy. Regu phototropism, g <b>Recommended</b>	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and literature:	phases and kinet developmental eff phogenesis and e ar mechanisms. B ering. Senescence	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol	on. Hormones: 1 berellins, cytoki chrome: properti ses. Rhythms. C cell death. Orien ogy.	metabolism and innins, ethylene ies, physiology Germination and			
Growth and m transport, phys and abscisic a ecological func dormancy. Regu phototropism, g <b>Recommended</b>	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and <b>literature:</b> E., Plant physic	phases and kinet developmental eff phogenesis and e ar mechanisms. B ering. Senescence d nastic movemen	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol	on. Hormones: 1 berellins, cytoki chrome: properti ses. Rhythms. C cell death. Orien ogy.	metabolism and innins, ethylene ies, physiology Germination and			
Growth and m transport, phys and abscisic ac ecological func dormancy. Regu phototropism, g <b>Recommended</b> Taiz L., Zeiger	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and literature: E., Plant physic ge: nent	phases and kinet developmental eff phogenesis and e ar mechanisms. B ering. Senescence d nastic movemen blogy. Fifth edition	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol	on. Hormones: 1 berellins, cytoki chrome: properti ses. Rhythms. C cell death. Orien ogy.	metabolism and innins, ethylene ies, physiology Germination and			
Growth and m transport, phys and abscisic ac ecological func dormancy. Regu phototropism, g <b>Recommended</b> Taiz L., Zeiger <b>Course languag</b>	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and literature: E., Plant physic ge: nent	phases and kinet developmental eff phogenesis and e ar mechanisms. B ering. Senescence d nastic movemen blogy. Fifth edition	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol	on. Hormones: 1 berellins, cytoki chrome: properti ses. Rhythms. C cell death. Orien ogy.	metabolism and innins, ethylene ies, physiology Germination and			
Growth and m transport, phys and abscisic a ecological func dormancy. Regu phototropism, g <b>Recommended</b> Taiz L., Zeiger <b>Course languag</b> <b>Course assessm</b> Total number of	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and literature: E., Plant physic ge: nent f assessed stude	phases and kinet developmental eff ohogenesis and e ar mechanisms. B ering. Senescence d nastic movemen ology. Fifth edition	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol n. Sinauer ass., St	on. Hormones: 1 berellins, cytoki chrome: properti ses. Rhythms. C cell death. Orien ogy. underland 2010	metabolism and innins, ethylene ies, physiology Germination and ntation in space			
Growth and m transport, phys and abscisic ac ecological func dormancy. Regu phototropism, g <b>Recommended</b> Taiz L., Zeiger <b>Course languag</b> <b>Course assessm</b> Total number of A 36.54	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and literature: E., Plant physic ge: nent f assessed stude B 21.15	phases and kinet developmental eff ohogenesis and e ar mechanisms. B ering. Senescence d nastic movemen ology. Fifth edition ents: 104 C	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol h. Sinauer ass., Stress physiol D 13.46	E	FX			
Growth and m transport, phys and abscisic ac ecological func dormancy. Regu phototropism, g <b>Recommended</b> Taiz L., Zeiger <b>Course languag</b> <b>Course assessm</b> Total number of A 36.54	orphogenesis: iological and o cid. Photomorp tions, molecula ulation of flowe gravitropism and literature: E., Plant physic ge: nent f assessed stude B 21.15 Robert Gregorel	phases and kinet developmental eff phogenesis and e ar mechanisms. B ering. Senescence d nastic movemen plogy. Fifth edition ents: 104 C 17.31 k, RNDr. Michaela	ics; differentiation fects; auxin, gib tiolation. Phytod slue-light respon and programmed ts. Stress physiol h. Sinauer ass., Stress physiol D 13.46	E	FX			

University: P. J. Šaf	árik Universi	ty in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚBEV/ GB1/03	Course na	me: Geobotany			
Course type, scope Course type: Lectu Recommended cou Per week: 2 / 1 Pe Course method: p	ure / Practice urse-load (ho r study perio	ours):			
Number of credits:	4				
Recommended sem	ester/trimest	ter of the course	2.		
Course level: II.					
Prerequisities:					
Conditions for cou	rse completio	on:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
<b>Course assessment</b> Total number of ass	essed student	s: 49			
A	В	С	D	E	FX
46.94	22.45	16.33	8.16	6.12	0.0
Provides: doc. RND	Dr. Sergej Mod	chnacký, CSc.			
Date of last modific	cation: 23.02.	2018			
Approved:	,				

University: P. J. Ša	afárik Univers	ity in Košice					
Faculty: Faculty o	f Science						
<b>Course ID:</b> ÚGE/ GDPZ/18	Course name: Geographical Information Systems and Remote Sensing						
Course type, scop Course type: Lec Recommended c Per week: 2 / 2 P Course method:	ture / Practice ourse-load (he er study perio	ours):					
Number of credits	s: 4						
Recommended set	mester/trimes	ter of the cours	e:				
Course level: II.							
Prerequisities:							
Conditions for con	urse completi	on:					
Learning outcome	es:						
Brief outline of th	e course:						
Recommended lite	erature:						
Course language:							
<b>Course assessmen</b> Total number of as	-	ts: 0					
A	В	С	D	Е	FX		
0.0	0.0	0.0	0.0	0.0	0.0		
Provides: doc. Mg Kaňuk, PhD.	r. Michal Gall	ay, PhD., prof. N	Agr. Jaroslav Hof	ñerka, PhD., doc.	. RNDr. Ján		
Date of last modif	ication: 22.02	.2018					
Approved:							

University: P. J. Š	afárik Universit	y in Košice			
Faculty: Faculty of	of Science				
<b>Course ID:</b> KFaD IH2/03	F/ Course nam	ne: Idea Huma	nitas 2 (General )	Introduction)	
Course type, scop Course type: Pra Recommended o Per week: 2 Per Course method:	actice course-load (how study period: 2 present	urs):			
Number of credit					
Recommended se	mester/trimest	er of the cours	e: 3.		
Course level: II.					
Prerequisities:					
Conditions for co	urse completio	n:			
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
<b>Course assessmen</b> Total number of a		: 8			
A	В	С	D	E	FX
87.5	12.5	0.0	0.0	0.0	0.0
Provides: Doc. Ph	Dr. Peter Nezní	k, CSc.			
Date of last modi	fication: 31.08.2	2017			
Approved:					

University: P. J	. Šafárik Univer	sity in Košice			
Faculty: Facult	y of Science				
<b>Course ID:</b> ÚB IMU1/03	EV/ Course r	name: Immunolog	зу		
	Lecture d course-load ( er study period	hours):			
Number of cre	dits: 3				
Recommended	semester/trim	ester of the cours	<b>e:</b> 1.		
Course level: II	[.				
Prerequisities:					
<b>Conditions for</b> Recognition. Oral examination	-	tion:			
lessons is the p comprehension responses. <b>Brief outline of</b> Basic immuno Responses of Ir	resentation of the of complex mo	nunology in variou le organization and lecular and cellula c System Anator The Adaptive Imn	d function of the ar interactions du my, The Innate nune Response, A	immune system, aring the induction Immune System Antigens and Anti	as well as the n of immune n, The Induced bodies, Antiger
Clinical immur	nology: Allergy	Il Receptors, Anti- and other Hypers of The Immune S	sensitivities, Au		-
<b>Recommended</b> Janeway Ch. A Murphy, K. (20	literature: ., Travers P., Wa 112): Jeneway's	alport M., Schlome Immunobiology. 8 's essential immun	chik M.: Immun 8th ed. Garland S	Science	d Science, 2004
Course langua	ge:				
<b>ə</b>					
Course assessn	nent f assessed stude	nts: 866			
Course assessn		nts: 866	D	E	FX
<b>Course assessn</b> Total number o	f assessed stude	1	D 6.93	E 1.73	FX 3.35
Course assessn Total number o A 38.68	f assessed stude B	C 25.17			
Course assessn Total number o A 38.68 Provides: RND	f assessed stude B 24.13	C 25.17 čková, PhD.			

University: P. J. Šaf	árik Universi	ty in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚBEV/ IOR/09	Course na	me: Plant Prote	ction		
Course type, scope Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	ire / Practice irse-load (ho study perio	ours):			
Number of credits:	4				
Recommended sem	ester/trimes	ter of the cours	e:		
Course level: I., II.					
Prerequisities: ÚBE	EV/VEK1/03				
Conditions for cour	se completio	on:			
Learning outcomes	•				
Brief outline of the	course:				
<b>Recommended liter</b>	ature:				
Course language:					
<b>Course assessment</b> Total number of asse	essed student	s: 44			
A	В	С	D	Е	FX
4.55	27.27	25.0	18.18	25.0	0.0
Provides: prof. RNI	Dr. Martin Ba	čkor, DrSc., Ing	. Martin Suvák, I	PhD.	
Date of last modific	ation: 23.02	2018			
Approved:					

University: P. J. S	Safárik Universit	y in Košice			
Faculty: Faculty	of Science				
<b>Course ID:</b> KFaI KDF/05		ne: Chapters fr General Introdu		nilosophy of 19th	and 20th
Course type, sco Course type: Pr Recommended Per week: 2 Per Course method	actice course-load (ho study period: 2	urs):			
Number of credi	ts: 2				
Recommended se	emester/trimest	er of the cours	e: 2.		
Course level: II.					
Prerequisities:					
Conditions for co	ourse completio	n:			
Learning outcom	ies:				
Brief outline of t	he course:				
Recommended li	terature:				
Course language	:				
<b>Course assessme</b> Total number of a	-	:: 10			
A	В	С	D	Е	FX
50.0	20.0	10.0	0.0	10.0	10.0
Provides: doc. Ph	Dr. Pavol Tholt,	PhD., mim. pr	of.		1
Date of last modi	fication: 31.08.2	2017			
Approved:					

University: P. J. Ša	fárik Universit	y in Košice	
Faculty: Faculty of	Science		
<b>Course ID:</b> KPPaPZ/KK/07	Course nar	ne: Communication and Coo	operation
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: 1	ctice ourse-load (ho tudy period: 2	urs):	
Number of credits	: 2		
Recommended ser	nester/trimest	er of the course: 3.	
Course level: II.			
Prerequisities:			
Conditions for cou	rse completio	n:	
Learning outcome	s:		
Brief outline of the	e course:		
Recommended lite	erature:		
Course language:			
Course assessment Total number of as		s: 281	
abs		n	Z
98.22		1.78	0.0
Provides: Mgr. On	drej Kalina, Ph	D., Mgr. Lucia Hricová, PhI	).
Date of last modifi	cation: 21.08.2	2017	
Approved:			

University: P. J. Safái	rik University in Košice					
Faculty: Faculty of S	cience					
<b>Course ID:</b> ÚTVŠ/ KP/12						
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: pre	ce r <b>se-load (hours):</b> y period: 36s					
Number of credits: 2	,					
Recommended seme	ster/trimester of the cours	e:				
Course level: I., II.						
Prerequisities:						
<b>Conditions for cours</b> Conditions for course Attendance Final assessment: cor	1	ks within the course				
conditions as they wi and demanding situat	Il obtain theoretical knowled ions connected with surviva work and students will lear	afe stay and movement in extreme natural dge and practical skills to solve the extraordinary and minimization of damage to health. The m how to manage and face the situations that				
<b>Brief outline of the c</b> Brief outline of the co Lectures: 1 Principles of behav	ourse:					
<ol> <li>Preparation and lea</li> <li>Objective and subj</li> <li>Principles of hygie</li> <li>Exercises:</li> <li>Movement in terra</li> </ol>	dership of tour ective danger in mountains ne and prevention of damag in, orientation and navigatic rovised overnight stay	ent and stay in unknown mountains ge to health in extreme conditions on in terrain (compasses, GPS)				
<ol> <li>Preparation and lea</li> <li>Objective and subj</li> <li>Principles of hygie</li> <li>Exercises:         <ol> <li>Movement in terra</li> <li>Preparation of imp</li> </ol> </li> </ol>	dership of tour ective danger in mountains ne and prevention of damag in, orientation and navigatic rovised overnight stay d food preparation.	e to health in extreme conditions				
<ol> <li>Preparation and lea</li> <li>Objective and subj</li> <li>Principles of hygie</li> <li>Exercises:         <ol> <li>Movement in terra</li> <li>Preparation of imp</li> <li>Water treatment an</li> </ol> </li> </ol>	dership of tour ective danger in mountains ne and prevention of damag in, orientation and navigatic rovised overnight stay d food preparation.	e to health in extreme conditions				
<ol> <li>Preparation and lea</li> <li>Objective and subj</li> <li>Principles of hygie</li> <li>Exercises:         <ol> <li>Movement in terra</li> <li>Preparation of imp</li> <li>Water treatment an</li> </ol> </li> <li>Recommended litera</li> </ol>	idership of tour ective danger in mountains ne and prevention of damag in, orientation and navigation rovised overnight stay d food preparation. ture:	e to health in extreme conditions				
<ol> <li>Preparation and lea</li> <li>Objective and subj</li> <li>Principles of hygie</li> <li>Exercises:         <ol> <li>Movement in terra</li> <li>Preparation of imp</li> <li>Water treatment an</li> </ol> </li> <li>Recommended litera</li> <li>Course language:</li> <li>Course assessment</li> </ol>	idership of tour ective danger in mountains ne and prevention of damag in, orientation and navigation rovised overnight stay d food preparation. ture:	e to health in extreme conditions				

Provides: MUDr. Peter Dombrovský, Mgr. Marek Valanský

Date of last modification: 18.08.2017

Approved:

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
<b>Course ID:</b> ÚTVŠ/ LKSp/13	Course name: Summer Co	ourse-Rafting of TISA River
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: pre	ce <b>rse-load (hours):</b> l <b>y period:</b> 36s	
Number of credits: 2		
Recommended seme	ster/trimester of the cours	e:
Course level: I., II.		
Prerequisities:		
<b>Conditions for course</b> Conditions for course Attendance Final assessment: Ra	-	attended/not attended)
Learning outcomes: Learning outcomes: Students have knowle	edge of rafts (canoe) and the	eir control on waterway.
5. Canoe lifting and c	ourse: iculty of waterways iting ning using an empty canoe carrying n the water without a shore be out of the water	contact
Recommended litera	iture:	
Course language:		
<b>Course assessment</b> Total number of asses	ssed students: 142	
	abs	n
	41.55	58.45

Provides: Mgr. Peter Bakalár, PhD.

Date of last modification: 18.08.2017

Approved:

University: P. J	. Šafárik Univer	sity in Košice			
Faculty: Facult	y of Science				
<b>Course ID:</b> ÚB LR1/03	EV/ Course n	ame: Healing Pl	ants		
Course type: ] Recommende	d course-load (l er study period	iours):			
Number of cree	dits: 3				
Recommended	semester/trime	ster of the cours	se:		
Course level: I.	, II.				
Prerequisities:					
Conditions for	course complet	ion:			
Learning outco To provide the		aling principles o	of plants and proc	duction of drug.	
substances Alca of medicinal p Overview of sel Hypericaceae, Caprifoliaceae,	aloids, Glycoside lants. Cultivatio lected representa Rosaceae, Malv Apiaceae, Valer	es, Flavonoids, H n and and post-l tives of medicina vaceae, Ericaceae	ormons, Enzyme harvest technolo l plants of the fan e, Scrophulariac	and their effects s, Essential oils. O gy of Medicinal nilies Papaverace eae, Plantaginace ae, Ginkgoaceae.	Centers of origin Plants, storage ae, Droseraceae eae, Lamiaceae
Recommended Pahlow M.: He	<b>literature:</b> aling plants. New	w York 1993			
<b>Course languag</b>	ge:				
Jour so rangua					
Course assessm	<b>1ent</b> f assessed studer	nts: 358			
Course assessm		nts: 358	D	E	FX
Course assessn Total number o	f assessed stude	1	D 12.29	Е 9.78	FX 8.94
Course assessn Total number o A 25.14	f assessed studer B	C 21.23			
Course assessn Total number o A 25.14 Provides: RND	f assessed studer B 22.63	C 21.23 PhD.			

University: P. J. Š	afárik Univers	ity in Košice				
Faculty: Faculty of	of Science					
<b>Course ID:</b> ÚBEV MR1/03	EV/ Course name: Plant Metabolism					
Course type, scop Course type: Lea Recommended o Per week: 2 / 2 F Course method:	cture / Practice course-load (h Per study perio	ours):				
Number of credit	<b>s:</b> 6					
Recommended se	mester/trimes	ter of the cours	e: 1.			
Course level: II.						
Prerequisities:						
<b>Conditions for co</b> Examen	urse completi	on:				
Learning outcom To provide the stu secondary metabo	dents with path	hways of biosynt	hesis in plant an	d functions of pri	imary and	
Brief outline of the Photosynthesis: set transport, photop plants. Synthesis transport and ATP Nitrogen metabolic assimilation and m of biosynthesis, pl	structure of pl hosphorylatior of starch an synthesis. Lip ism: fixation, r netabolism. Ter	n. Calvin cycle, d sucrose. Resp id biosynthesis an nitrate assimilation penes: biosynthe	rubisco and p piration: glycoly nd convertion int on, ammonium c sis and functions	whotorespiration. whotorespiration. whotoresion acid conversion to amin s. Phenolic compo	C4 and CAM cycle, electron Polyacetylenes. no acids. Sulfur punds: pathways	
<b>Recommended lit</b> Lawlor D. W. Pho physiology. Fifth	otosynthesis. Th			Taiz L., Zeiger H	E., Plant	
<b>Course language:</b>						
Course assessmen Total number of a		ts: 106				
A	В	С	D	Е	FX	
26.42	16.04	17.92	16.98	19.81	2.83	
Provides: doc. RN	NDr. Peter Pal'c	ove-Balang, PhD		·		
Date of last modi	fication: 23.02	.2018				
Approved:						

University: P. J. S	Safárik Univers	sity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚBE MVR/03	EV/ Course name: Mineral Nutrition				
Course type, scop Course type: Le Recommended Per week: 2 / 2 1 Course methods	cture / Practice course-load (h Per study peri	e ours):			
Number of credi	ts: 6				
Recommended so	emester/trimes	ster of the cour	se: 1.		
Course level: II.					
Prerequisities:					
Conditions for co	ourse completi	on:			
nutrients in plants Brief outline of t	ledge about pla 5 he course:			take and the role o	
Symbiosis in plan	nt nutrition. Ma	croelements, mi	croelements and	ent. Nutrient uptak d their role in plant e of other mineral	s. Transport and
	ineral Nutrition Science : Met	-		lemic Press, Lond n Scientific ɦ	
Course language	:				
<b>Course assessme</b> Total number of a	-	its: 53			
A	В	С	D	Е	FX
50.94	26.42	18.87	0.0	1.89	1.89
Provides: doc. R	NDr. Peter Pal'o	ove-Balang, PhD	).	·	
Date of last modi	fication: 23.02	2.2018			

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
<b>Course ID:</b> Dek. UPJŠ/PPZ/13	PF Course na on a Labor		Development ar	nd Key Competer	nces for Success
Course type, sco Course type: Pi Recommended Per week: Per Course method	cactice course-load (h study period: 1	ours):			
Number of credi	its: 2				
Recommended s	emester/trimes	ster of the cours	se: 1., 3.		
Course level: II.					
Prerequisities:					
Conditions for c	ourse completi	on:			
Learning outcom	nes:				
Brief outline of t	he course:				
Recommended l	iterature:				
Course language	2:				
Course assessme Total number of		ts: 39			
A	В	С	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: RNDr.	Peter Stefányi,	PhD.			
Date of last mod	ification: 19.02	2.2018			
Approved:					

University: P. J. Ša	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
<b>Course ID:</b> KPPaPZ/PPZMg/1		me: Psychology	and Health Psyc	chology (Master's	s Study)
Course type, scop Course type: Lec Recommended c Per week: 1 / 2 P Course method:	eture / Practice ourse-load (he er study perio	ours):			
Number of credits	s: 4				
Recommended set	mester/trimes	ter of the cours	e:		
Course level: II.					
Prerequisities:					
Conditions for co	urse completi	o <b>n:</b>			
Learning outcome	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Course assessmen Total number of as		ts: 226			
A	В	С	D	Е	FX
19.47	25.22	25.66	13.27	15.93	0.44
Provides: PhDr. A	nna Janovská,	PhD., Mgr. Luc	ia Hricová, PhD.		
Date of last modif	ication: 21.08	.2017			
Approved:					

University: P. J. Šafa	nrik University in Košice					
Faculty: Faculty of S	Science					
<b>Course ID:</b> ÚBEV/ SDPa/15	Course name: Diplom	a Thesis Seminar				
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	rse-load (hours): ły period:					
Number of credits:	4					
Recommended sem	ester/trimester of the co	urse: 1.	_			
Course level: II.						
Prerequisities:						
Conditions for cour	se completion:		-			
Learning outcomes:						
Brief outline of the	course:					
<b>Recommended liter</b>	ature:					
Course language:						
<b>Course assessment</b> Total number of asse	essed students: 150					
	abs	n				
	100.0 0.0					
Provides:						
Date of last modific	ation: 23.02.2018					
Approved:						

University: P. J. Šafá	rik University in Košic	e				
Faculty: Faculty of S	Science					
<b>Course ID:</b> ÚBEV/ SDPb/15	Course name: Diplon	na Thesis Seminar				
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period:					
Number of credits:	4					
Recommended seme	ester/trimester of the c	ourse: 2.				
Course level: II.						
Prerequisities:						
Conditions for cour	se completion:					
Learning outcomes:						
Brief outline of the o	course:					
Recommended liter	ature:					
Course language:						
<b>Course assessment</b> Total number of asse	ssed students: 112					
	abs	n				
	100.0 0.0					
Provides:						
Date of last modifica	ation: 23.02.2018					
Approved:						

University: P. J. Šafa	rik University in Košice	2	
Faculty: Faculty of S	Science		
<b>Course ID:</b> ÚBEV/ SDPc/15	Course name: Diplom	a Thesis Seminar	
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	rse-load (hours): ly period:		
Number of credits:	4		
Recommended sem	ester/trimester of the co	burse: 3.	
Course level: II.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes:			
Brief outline of the	course:		
<b>Recommended liter</b>	ature:		
Course language:			
<b>Course assessment</b> Total number of asse	essed students: 110		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modific	ation: 23.02.2018		
Approved:			

University: P. J. Šaf	ärik Universit	y in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚBEV/ SDPd/15	Course nar	ne: Diploma T	hesis Seminar		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	ırse-load (ho dy period:				
Number of credits:	4				
Recommended sem	ester/trimest	er of the cours	se: 4.		
Course level: II.					
Prerequisities:					
Conditions for cour	se completio	n:			
Learning outcomes	:				
Brief outline of the	course:				
<b>Recommended</b> liter	ature:				
Course language:					
<b>Course assessment</b> Total number of ass	essed students	: 108			
А	В	С	D	Е	FX
87.04	6.48	3.7	0.93	1.85	0.0
Provides:					
Date of last modific	ation: 23.02.2	2018			
Approved:					

University: P. J. Š	afárik Universi	ty in Košice			
Faculty: Faculty o	f Science				
<b>Course ID:</b> ÚBEV SFR/04	V/ Course nai	me: Seminar fro	om Plant Physiol	ogy	
Course type, scop Course type: Pra Recommended c Per week: 2 Per Course method:	ctice ourse-load (ho study period: 2	ours):			
Number of credits	s: 2				
Recommended se	mester/trimest	er of the cours	se:		
Course level: II.					
Prerequisities:					
Conditions for co	urse completio	n:			
Learning outcome Literature search t scientific results. I Brief outline of th Metodology, etics for full access to s	raining, interpr ncrease of abili e course: and legal aspec	ity to constructi	vely discuss scie works. Databases	s of search in liter	rature, database
impact factor). Pre-		liscussion in ac	tual topics in pla	nt science.	
Recommended lit	erature:				
<b>Course language:</b>	,				
Course assessmen Total number of as	-	s: 22	-		
Α	В	С	D	E	FX
90.91	9.09	0.0	0.0	0.0	0.0
Provides: Mgr. Sil	via Gajdošová,	Ph.D.			
Data of last modif	<b>ication:</b> 23.02.	2018			
Date of last moun					

University: P. J. Šafá	rik University in	Košice	
Faculty: Faculty of S	cience		
<b>Course ID:</b> KPPaPZ/SPVKE/07	Course name: Situations	Social-Psychological Tr	aining of Coping with Critical Life
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pro	ce rse-load (hours) Idy period: 28	:	
Number of credits: 2	2		
Recommended seme	ster/trimester o	f the course: 2.	
Course level: II.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended liter	ature:		
Course language:			
<b>Course assessment</b> Total number of asse	ssed students: 12	6	
abs		n	Z
97.62		2.38	0.0
Provides: Mgr. Ondr	ej Kalina, PhD.		
Date of last modific:	ntion: 21.08.2017	7	
Approved:			

University. P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
<b>Course ID:</b> ÚB STFR/09	EV/ Course na	ame: Plant stress	physiology		
Course type: ] Recommende	cope and the met Lecture / Practice d course-load (h 2 Per study peri od: present	e ours):			
Number of cree	dits: 3				
Recommended	semester/trimes	ster of the cours	e:		
Course level: II	[.				
Prerequisities:					
Conditions for	course completi	on:			
	troduce basic plan becific plant defen		ns to the student	s and elucidate p	hytohormonal
Plant stress rea salicylic acid, a to stress respo perception, its p developmental	nd symptoms of s ctions – synthesi ibscisic acid, NC nse. Examples o processing and su reaction to the st ltivation of exper	s of plant hormo and others ), pr of known plant bsequent physiol ress condition.	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le	okinins, ethylene tes and other cor g cascades starti eading to executio	e, jasmonic acid, mpounds related ing from signal on of growth and
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant s	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the st ltivation of exper literature: E, Plant physiolo tress biology. Wi	s of plant hormo and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund	okinins, ethylene tes and other con g cascades starti eading to executio ions, their analysi	e, jasmonic acid, mpounds related ing from signal on of growth and
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant s <b>Course languag</b>	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the st ltivation of exper literature: E, Plant physiolo tress biology. Wi ge:	s of plant hormo and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund	okinins, ethylene tes and other con g cascades starti eading to executio ions, their analysi	e, jasmonic acid, mpounds related ing from signal on of growth and
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant st <b>Course languag</b>	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the st ltivation of exper literature: E, Plant physiolo tress biology. Wi ge:	s of plant hormo and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si ley-Blackwell, 20	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund	okinins, ethylene tes and other con g cascades starti eading to executio ions, their analysi	e, jasmonic acid, mpounds related ing from signal on of growth and
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant st <b>Course languag</b>	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the st litivation of exper literature: E, Plant physiolo tress biology. Wi ge: hent	s of plant hormo and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si ley-Blackwell, 20	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund	okinins, ethylene tes and other con g cascades starti eading to executio ions, their analysi	e, jasmonic acid, mpounds related ing from signal on of growth and
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant s <b>Course languag</b> <b>Course assessm</b> Total number o	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the str ltivation of exper literature: E, Plant physiolo tress biology. Wi ge: nent f assessed studen	s of plant hormo and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si ley-Blackwell, 20	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund 009.	okinins, ethylene tes and other con g cascades starti eading to execution ions, their analysi erland 2006.	e, jasmonic acid, mpounds related ing from signal on of growth and is and evaluation
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant s <b>Course languag</b> <b>Course assessm</b> Total number o A 63.64	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the st litivation of exper literature: E, Plant physiolo tress biology. Wi ge: nent f assessed studen B	s of plant hormo and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si ley-Blackwell, 20 ts: 11 C 9.09	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund 009.	erland 2006.	e, jasmonic acid, mpounds related ing from signal on of growth and is and evaluation FX
Causes, types a Plant stress rea salicylic acid, a to stress respo perception, its p developmental Practicals (): cu of results. <b>Recommended</b> Taiz L, Zeiger I Hirt H.: Plant s <b>Course languag</b> <b>Course assessm</b> Total number o A 63.64 <b>Provides:</b> Mgr.	nd symptoms of s ctions – synthesi abscisic acid, NC nse. Examples of processing and su reaction to the str litivation of exper literature: E, Plant physiolo tress biology. Wi ge: nent f assessed studen B 18.18	s of plant hormo o and others ), pr of known plant bsequent physiol ress condition. imental plants un gy. 4th editon. Si ley-Blackwell, 20 ts: 11 C 9.09 á, Ph.D.	nes (auxins, cyto oteins, metaboli stress signalling ogical changes le der stress conditi nauer ass., Sund 009.	erland 2006.	e, jasmonic acid, mpounds related ing from signal on of growth and is and evaluation FX

University: P. J. Ša	afárik Universi	ty in Košice			
Faculty: Faculty o	f Science				
<b>Course ID:</b> ÚBEV SVK/01	Course nai	ne: Student Sci	entific Conferen	ce	
Course type, scop Course type: Recommended c Per week: Per st Course method:	ourse-load (ho ady period:				
Number of credits	s: 4				
Recommended set	mester/trimest	er of the cours	e:		
Course level: I., II					
Prerequisities:					
Conditions for co	urse completio	n:			
Learning outcome	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
<b>Course assessmen</b> Total number of as	-	s: 258			
A	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides:					
Date of last modif	ication: 23.02.	2018			
Approved:					

University: P. J.	Šafárik Univer	sity in Košice			
Faculty: Faculty	of Science				
<b>Course ID:</b> ÚBE TR1/99	V/ Course n	ame: Plant Taxo	nomy		
Course type, sco Course type: La Recommended Per week: 2 / 2 Course method	ecture / Practic course-load (l Per study per	e 1ours):			
Number of credi	i <b>ts:</b> 5				
Recommended s	emester/trime	ster of the cours	se: 1.		
Course level: II.					
Prerequisities:					
<b>Conditions for c</b> Information on s Exam.	-				
<b>Learning outcom</b> To learn about ba		nd approaches in	plant taxonomy.		
data. Variation i utilization in tax phylogeny of tra	n plants and the conomy. Molec cheophytes acc primary and se	neir study. Nume cular data as im- cording to the ne condary speciation	erical taxonomy portant data of 1 west data. Evolu	e of informationa (phenetics). Clac recent systematic tion in population nical nomenclatu	distics and their es. Overview of ns, principles of
2001. Stuessy T. F.: Pla Judd W. S., Cam Phylogenetic Ap	rs S. M.: Prom ant Taxonomy. pbell Ch. S., K proach, 2nd ed (Eds.): Medzin	- New York, Oxf ellogg E. A., Ste Sinauer Assoc	ord 1990. vens P. F., Donog iates, Sunderland	erzita Palackého, ghue M. J.: Plant d, 2002. túry (Saint Louis	Systematics. A
Course language	2:				
<b>Course assessme</b> Total number of		nts: 120			
A	В	С	D	E	FX
40.83	20.83	17.5	10.83	6.67	3.33
Provides: prof. R	NDr. Pavol M	ártonfi, PhD., Mg	gr. Vladislav Kol	arčik, PhD.	
Date of last mod	ification: 23.0	2.2018			
Approved:					

University	P. J. Šafái	rik University i	n Košice				
Faculty: Fa	aculty of So	cience					
<b>Course ID</b> TVa/11	: ÚTVŠ/	Course name	: Sports Acti	vities I.			
Course ty Recomme Per week	pe: Practic nded cour	rse-load (hours dy period: 28					
Number of	credits: 2						
Recommer	ided seme	ster/trimester	of the cours	<b>e:</b> 1.			
Course lev	el: I., I.II.,	II.					
Prerequisi	ties:						
Conditions	for course	e completion: completion: articipation in c	classes.				
relationshi	physical co p of studen	ondition and pe ts to the selecto			1		g the
University floorball, y tennis, spo In the first and particu physical co Last but no means of a In addition physical co the premise	ne of the co optional su provides f yoga, pilate rts for unfi two semes larities of i ondition, co ot least, the special pro- to these se lucation tra- es of the fac	burse: ubject, the Inst for students the es, swimming, t persons, stree sters of the firs ndividual sport oordination abi important role ogram of medic sports, the Inst inings with an a culty or Univers	e following s body-buildin tball, tennis, it level of ed ts, motor skil ilities, physic of sports act cal physical o itute offers to attractive pro	ports activiti ag, indoor for and volleyba ucation stude ls, game activities cal performativities is to e education to for those wh gram and org	ies: aerobics, otball, self-de all. ents will mas vities, they wince, and mot eliminate swin influence and o are interest ganises variou	basketball, efence and l ster basic ch ill improve l tor performa mming illite mitigate ur ted winter a us competitio	badminton karate, table aracteristics evel of their ince fitness gracy and by fitness. and summer ons, either a
Recommer	nded litera	ture:					
Course lan	guage:						
	essment						
Course ass		sed studenter 1	1672				
Course ass		abs-B	1672 abs-C	abs-D	abs-E	n	neabs

**Provides:** Mgr. Peter Bakalár, PhD., Mgr. Dana Dračková, PhD., Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Ing. Iveta Cimboláková, PhD.

Date of last modification: 18.08.2017

	COUR	RSE INFORM	MATION LI	ETTER		
University: P. J. Šaf	árik University	in Košice				
Faculty: Faculty of	Science					
Course ID: ÚTVŠ/ TVb/11	Course name	: Sports Acti	vities II.			
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pu	ice 1 <b>rse-load (hour</b> 1dy period: 28					
Number of credits:	2					
Recommended sem	ester/trimester	of the cours	e: 2.			
Course level: I., I.II	, II.					
Prerequisities:						
<b>Conditions for cour</b> Conditions for cours Final assessment an	se completion:		ses - min. 759	%.		
Learning outcomes: Learning outcomes: Increasing physical relationship of stude	condition and p			-		g the
Brief outline of the Brief outline of the Within the optional University provides floorball, yoga, pila tennis, sports for un In the first two sem and particularities of physical condition, Last but not least, th means of a special p In addition to these physical education to the premises of the fa	course: subject, the Inst for students the tes, swimming, fit persons, streed esters of the first individual sport coordination ab e important role rogram of medit sports, the Inst rainings with an aculty or Univer	e following s body-buildir etball, tennis, st level of ed ts, motor skil ilities, physic e of sports ac cal physical titute offers attractive pro	sports activiting, indoor for and volleyba ucation study ls, game activities is to ever cal performativities is to ever education to for those who gram and org	ies: aerobics otball, self-d all. ents will ma- vities, they w nce, and mo eliminate swi influence an o are interes ganises vario	, basketball, lefence and l ster basic ch vill improve l tor performa imming illite d mitigate un sted winter a us competitio	badminton, karate, table aracteristics evel of their ance fitness. eracy and by hfitness. and summer ons, either at
<b>Recommended</b> liter	ature:					
Course language:						
Course assessment						
Total number of ass abs abs-A		10971 abs-C	abs-D	abs-E	n	neabs
			1		n 10.12	
85.37 0.57	0.02	0.0	0.0	0.05	10.13	3.86

**Provides:** Mgr. Peter Bakalár, PhD., Mgr. Dana Dračková, PhD., Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Ing. Iveta Cimboláková, PhD.

Date of last modification: 18.08.2017

University: P	. J. Šafárik	University in	n Košice				
Faculty: Facu	ulty of Scie	ence					
<b>Course ID:</b> Ú TVc/11	JTVŠ/ C	ourse name:	Sports Acti	vities III.			
Course type, Course type Recommend Per week: 2 Course met	e: Practice ded course Per study	-load (hours period: 28					
Number of c	redits: 2						
Recommende	ed semeste	er/trimester	of the cours	<b>e:</b> 3.			
Course level:	: I., I.II., II.						
Prerequisitie	s:						
Conditions fo	or course o	completion:					
Learning out	tcomes:						
Brief outline	of the cou	rse:					
Recommend	ed literatu	re:					
Course langu	lage:						
Course asses Total number		d students: 6	910				
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
89.84	0.04	0.0	0.0	0.0	0.03	4.23	5.86
Provides: Mg Horbacz, PhD Mgr. Marek V	., Mgr. Dá	vid Kaško, N	Igr. Zuzana	Küchelová, I	hD., doc. Pa	edDr. Ivan U	Jher, PhD.,
Date of last n	nodificatio	on: 18.08.201	7				
Approved:							

University: 1	P. J. Šafárik	University i	n Košice				
Faculty: Fac	ulty of Scie	ence					
<b>Course ID:</b> U TVd/11	ÚTVŠ/ C	ourse name:	Sports Acti	vities IV.			
Per week: 2 Course met	e: Practice ded course 2 Per study thod: prese	e-load (hours period: 28					
Number of c	credits: 2						
Recommend	ed semeste	er/trimester	of the cours	<b>e:</b> 4.			
Course level	<b>:</b> I., I.II., II						
Prerequisitie	es:						
Conditions f	or course	completion:					
Learning ou	tcomes:						
Brief outline	e of the cou	irse:					
Recommend	led literatu	ire:					
Course lang	uage:						
Course asses Total numbe		ed students: 5	045				
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
85.09	0.3	0.04	0.0	0.0	0.0	6.82	7.75
Provides: M Horbacz, PhI Mgr. Marek	D., Mgr. Dá	ivid Kaško, N	Igr. Zuzana	Küchelová, I	PhD., doc. Pa	aedDr. Ivan	Uher, PhD.,
Date of last	modificatio	on: 18.08.201	7				
Approved:							

Faculty: Facult					
<b>Course ID:</b> ÚB UGM1/03	EV/ Course r	name: Introductio	n to Gene Manip	oulations	
Recommende	Lecture / Practic d course-load ( 2 Per study per	e hours):			
Number of cre	dits: 6				
Recommended	semester/trim	ester of the cours	e:		
Course level: I	[.				
Prerequisities:					
<b>Conditions for</b> Oral examination	course comple	tion:			
Learning outco To provide the recombinant D	students with th	e principles of pre	eparation and app	blication of techn	iques of
Isolation of nuc used for DNA recombinant D	leic acids. Restr manipulation. L NA. Recombina	iction endonucleas abeling of DNA. nt vectors. Select s.Expression of he	Nucleic acid hy ion markers. Trai	bridization. PCR	Preparation of nant DNA to the
used for DNA recombinant D cells. Selection <b>Recommended</b> Old, R.W., Prin Engineering. B Fitzgerald-Hay	leic acids. Restr manipulation. L NA. Recombina of recombinant literature: nrose, S. B.: Prin lackwell Scienti	abeling of DNA. nt vectors. Select s.Expression of he nciples of Genetic fic Publication, L asman, F: DNA ar	Nucleic acid hy ion markers. Tran eterologous gene Manipulation. A ondon, 1992	bridization. PCR nsfer of recombir s in E. coli. DNA	Preparation of nant DNA to the sequencing.
Isolation of nuc used for DNA recombinant Di cells. Selection <b>Recommended</b> Old, R.W., Prin Engineering. B Fitzgerald-Hay	leic acids. Restr manipulation. L NA. Recombina of recombinant <b>literature:</b> nrose, S. B.: Pri lackwell Scienti es, M and Reich 9780080916354	abeling of DNA. nt vectors. Select s.Expression of he nciples of Genetic fic Publication, L asman, F: DNA ar	Nucleic acid hy ion markers. Tran eterologous gene Manipulation. A ondon, 1992	bridization. PCR nsfer of recombir s in E. coli. DNA	Preparation of nant DNA to the sequencing.
Isolation of nuc used for DNA recombinant D cells. Selection <b>Recommended</b> Old, R.W., Prin Engineering. B Fitzgerald-Hay edition. ISBN 9 <b>Course langua</b> <b>Course assessn</b>	leic acids. Restr manipulation. L NA. Recombina of recombinant <b>literature:</b> nrose, S. B.: Pri lackwell Scienti es, M and Reich 9780080916354 ge:	abeling of DNA. nt vectors. Select s.Expression of he nciples of Genetic fic Publication, L Isman, F: DNA ar	Nucleic acid hy ion markers. Tran eterologous gene Manipulation. A ondon, 1992	bridization. PCR nsfer of recombir s in E. coli. DNA	Preparation of nant DNA to the sequencing.
Isolation of nuc used for DNA recombinant D cells. Selection <b>Recommended</b> Old, R.W., Prin Engineering. B Fitzgerald-Hay edition. ISBN 9 <b>Course langua</b> <b>Course assessn</b>	leic acids. Restr manipulation. L NA. Recombina of recombinant literature: nrose, S. B.: Prin lackwell Scienti es, M and Reich 0780080916354 ge: ment	abeling of DNA. nt vectors. Select s.Expression of he nciples of Genetic fic Publication, L Isman, F: DNA ar	Nucleic acid hy ion markers. Tran eterologous gene Manipulation. A ondon, 1992	bridization. PCR nsfer of recombir s in E. coli. DNA	Preparation of nant DNA to the sequencing.
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University: P. J. Ša	afárik Universit	y in Košice				
Faculty: Faculty of	f Science					
Course ID: KPPaPZ/UPR/03	Course nan	Course name: The Art of Aiding by Verbal Exchange				
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method:	ctice ourse-load (ho study period: 2	urs):				
Number of credits	: 2					
Recommended ser	nester/trimest	er of the cours	se: 4.			
Course level: II.						
Prerequisities:						
Conditions for cou	urse completio	n:				
Learning outcome	es:					
Brief outline of th	e course:					
Recommended lite	erature:					
Course language:						
<b>Course assessmen</b> Total number of as	-	: 49				
А	В	С	D	Е	FX	
85.71	4.08	2.04	2.04	2.04	4.08	
Provides: Mgr. On	drej Kalina, Ph	D.				
Date of last modif	ication: 21.08.2	2017				
Approved:						

University: P. J. Šafárik University in Košice						
Faculty: Faculty	·					
Course ID: ÚB ZOG1/03	EV/ Course na	ame: Zoogeograp	bhy			
Course type: I Recommended	ope and the met Lecture / Practice I course-load (h 2 Per study perio d: present	ours):				
Number of cred	lits: 6					
Recommended semester/trimester of the course:						
Course level: I., II.						
Prerequisities:						
Active participation in seminars. Preparation of oral presentation to selected topic. Semestral written test. Oral examination.						
Learning outco	mos.					
The main goal of animals on the I	of the subject is t	o get knowledge phic regionalizat history.				
The main goal of animals on the I on the faunal dia <b>Brief outline of</b> This course will processes that in information on interaction with distributions. Th	of the subject is the Earth, zoogeograstribution in the Earth the course: <b>the course:</b> I review our curnfluence distribution the historical and the new ironmental the course will employed by the subject of the the course will employed by the subject of the the course will employed by the the the course will employed by the	phic regionalizat	ion of the Earth's ng of the pattern and their attribut y, genetics, and inental drift, cli ve and analytical	s surface and hu s of animal dist res. Zoogeograp physiology of a mate) in regula	man influence tribution and the hy will integrate nimals and their tting geographic ful in hypothesis	
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Provides: prof. RNDr. Ľubomír Kováč, CSc.

Date of last modification: 23.02.2018

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
<b>Course ID:</b> ÚTVŠ/ ÚTVŠ/CM/13	Course name: Seaside Aer	obic Exercise				
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 36s Course method: present						
Number of credits: 2						
Recommended semester/trimester of the course:						
Course level: I., II.						
Prerequisities:	Prerequisities:					
Conditions for course completion: Conditions for course completion: Attendance						
Learning outcomes: Learning outcomes: Students will be provided an overview of possibilities how to spend leisure time in seaside conditions actively and their skills in work and communication with clients will be improved. Students will acquire practical experience in organising the cultural and art-oriented events, with the aim to improve the stay and to create positive experiences for visitors.						
<ul> <li>Brief outline of the course:</li> <li>Brief outline of the course:</li> <li>1. Basics of seaside aerobics</li> <li>2. Morning exercises</li> <li>3. Pilates and its application in seaside conditions</li> <li>4. Exercises for the spine</li> <li>5. Yoga basics</li> <li>6. Sport as a part of leisure time</li> <li>7. Application of projects of productive spending of leisure time for different age and social groups (children, young people, elderly)</li> <li>8. Application of seaside cultural and art-oriented activities in leisure time</li> </ul>						
Recommended literature:						
Course language:						
Course assessment Total number of assessed students: 33						
	abs	n				
	12.12	87.88				
Provides: Mgr. Alena Buková, PhD., Mgr. Agata Horbacz, PhD.						
Date of last modifica	Date of last modification: 18.08.2017					