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University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	science	
<b>Course ID:</b> ÚBEV/ FYZ/04	Course name: Animal and	Human Physiology
Course type, scope a Course type: Practi Recommended cou Per week: Per stuc Course method: pro	ce <b>rse-load (hours):</b> ly period: 15s esent	
Number of ECTS cr		
	ester/trimester of the cours	e: 1
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended litera	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 60	
	Ν	Р
	0.0	100.0
Provides: prof. RND	r. Beňadik Šmajda, CSc.	
Date of last modifica	ation: 03.05.2015	
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
<b>Course ID:</b> ÚBEV/ PVS/04	Course name: Author's pa	tents, discoveries, software	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 1		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ntion:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
<b>Course ID:</b> ÚBEV/ BSM/04	Course name: Biochemist	ry of signal molecules.
Course type, scope a Course type: Practi Recommended cou Per week: Per stud Course method: pro	ce <b>rse-load (hours):</b> ly period: 20s	
Number of ECTS cr	edits: 5	
Recommended seme	ster/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended litera	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 16	
	Ν	Р
	0.0	100.0
Provides: prof. RND	r. Beňadik Šmajda, CSc.	
Date of last modifica	ation: 03.05.2015	
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ MET/04	Course name: Cell Metabolism
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pre	re / Practice rse-load (hours): idy period: 28 / 0s
Number of ECTS cr	edits: 5
Recommended seme	ster/trimester of the course:
Course level: III.	
Prerequisities:	
<b>Conditions for cours</b> Oral examination	se completion:
Learning outcomes: Broadening of the ba	sic knowledge of metabolic processes for homeostasis maintenance in animal

Broadening of the basic knowledge of metabolic processes for homeostasis maintenance i and human organism

#### Brief outline of the course:

Carbohydrates – structure, biological significance of mono-, di-, polysaccharides and its derivatives, pathways of carbohydrate synthesis and degradation, glycaemia regulation, clinical aspects of carbohydrate metabolism. Lipids – categories, metabolism, lipogenesis, lipolysis, the metabolic roles of the liver and adipose tissue. Ketogenesis. Regulation of carbohydrate and lipid metabolism. Plasma lipoprotein metabolism, hyper- and hypolipoproteinemias. Cholesterol metabolism, biochemical and clinical aspects of atherogenesis and atherosclerosis. Arachidonic acid – biological significance, formation and functions of eicosanoids, clinical correlations. Reactive oxygen and nitrogen species, oxidative metabolism, antioxidative systems. Metabolic pathways of protein degradation and amino acid transformation, special products of amino acid metabolism. Nitrogen metabolism, urea biosynthesis. Metabolism of solutes. Mechanisms of metabolics water metabolism and its disturbances. Metabolism of solutes. Mechanisms of metabolic processes regulation.

#### **Recommended literature:**

1. Devlin T.M.: Textbook of Biochemistry with Clinical Correlations. Wiley-Liss 2006

- 2. Bhagavan N.V., Chung-Eun Ha: Essentials of Medical Biochemistry. Elsevier 2011
- 3. Newsholme E., Leech T.: Functional Biochemistry in Health and Disease. Wiley-Blackwell 2010

#### **Course language:**

Notes:

<b>Course assessment</b> Total number of assessed students: 35	
N	Р
0.0	100.0
Provides: doc. RNDr. Monika Kassayová, CSc.	
Date of last modification: 03.05.2015	
Approved: prof. RNDr. Beňadik Šmajda, CSc.	

	: P. J. Šafár	2					
Faculty: Fa	aculty of Sc	eience					
<b>Course ID</b> CRO1/03	: ÚBEV/	Course name	: Chronophys	siology			
Course ty Recomme Per week:	pe: Lecture ended cour	se-load (hour study period:	rs):				
Number of	f ECTS cre	dits: 5					
Recommer	nded semes	ter/trimester	of the cours	e:			
Course lev	el: II., III.						
Prerequisit	ties:						
<b>Conditions</b> Oral exami		e completion:					
	114001-00-						
in evolutio	the problem n of living		me organisat	ion of biolog	gical process	es and their	significance
To outline in evolution <b>Brief outlin</b> Time struc biological genetic bass of biologic	the problem n of living <b>ne of the co</b> eture of phy rhythms. T sis and mole cal rhythms nal rhthms	organisms	riables in ani e of biologica isms of biolog cillatory syste	mals and m al rhythms in gical clocks i m of the org	an. Basic no n the evoluti n animals. Th anism. The s	otions and c on of living ne endogeno significance	ategories of things. The ous character of circadian
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biologic and seasor principles. <b>Recommen</b>	the problem n of living <b>ne of the co</b> cture of phy rhythms. T sis and mole cal rhythms nal rhthms	organisms ourse: ysiological van he significanc ccular mechani . The multiosc for the anima	riables in ani e of biologica isms of biolog cillatory syste	mals and m al rhythms in gical clocks i m of the org	an. Basic no n the evoluti n animals. Th anism. The s	otions and c on of living ne endogeno significance	ategories of things. The ous character of circadian
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biologic and seasor principles. <b>Recommen</b> <b>Course lan</b>	the problem n of living <b>ne of the co</b> cture of phy rhythms. T sis and mole cal rhythms nal rhthms	organisms ourse: ysiological van he significanc ccular mechani . The multiosc for the anima	riables in ani e of biologica isms of biolog cillatory syste	mals and m al rhythms in gical clocks i m of the org	an. Basic no n the evoluti n animals. Th anism. The s	otions and c on of living ne endogeno significance	ategories of things. The ous character of circadian
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biologic and seasor principles. <b>Recommen</b> <b>Course lan</b> <b>Notes:</b>	the problem n of living ne of the co cture of phy rhythms. T sis and mole cal rhythms nal rhthms nded literat	organisms ourse: ysiological van he significanc ccular mechani . The multiosc for the anima	riables in ani e of biologica isms of biolog cillatory syste	mals and m al rhythms in gical clocks i m of the org	an. Basic no n the evoluti n animals. Th anism. The s	otions and c on of living ne endogeno significance	ategories of things. The ous character of circadian
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biological and seasor principles. <b>Recomment</b> <b>Course lan</b> <b>Notes:</b> <b>Course ass</b>	the problem in of living ne of the co eture of phy rhythms. T sis and mole cal rhythms nal rhthms nded literat iguage:	organisms ourse: ysiological van he significanc ccular mechani . The multiosc for the anima	riables in ani e of biologica isms of biolog cillatory syste al and human	mals and m al rhythms in gical clocks i m of the org	an. Basic no n the evoluti n animals. Th anism. The s	otions and c on of living ne endogeno significance	ategories of things. The ous character of circadian
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biological and seasor principles. <b>Recomment</b> <b>Course lan</b> <b>Notes:</b> <b>Course ass</b>	the problem in of living ne of the co eture of phy rhythms. T sis and mole cal rhythms nal rhthms nded literat iguage:	organisms ourse: ysiological van he significanc ecular mechani . The multiosc for the anima ture:	riables in ani e of biologica isms of biolog cillatory syste al and human	mals and m al rhythms in gical clocks i m of the org	an. Basic no n the evoluti n animals. Th anism. The s	otions and c on of living ne endogeno significance	ategories of things. The ous character of circadian
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biological and seasor principles. <b>Recommen</b> <b>Course lan</b> <b>Notes:</b> <b>Course ass</b> Total numb	the problem n of living ne of the co eture of phy rhythms. T sis and mole cal rhythms nal rhythms nded literat nguage: sessment ber of asses	organisms ourse: /siological van he significanc ccular mechani . The multiosc for the anima ture:	riables in ani e of biologica isms of biolog villatory syste al and human	mals and m al rhythms in gical clocks i m of the org n life. The	an. Basic no n the evoluti n animals. The anism. The s application of	otions and c on of living ne endogeno significance of chrono-p	ategories of things. The ous character of circadian hysiological
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biologic and seasor principles. <b>Recommen</b> <b>Course lan</b> <b>Notes:</b> <b>Course ass</b> Total numb A 21.35	the problem n of living <b>ne of the co</b> eture of phy rhythms. T sis and mole cal rhythms nal rhythms nded literat rguage: sessment ber of asses B 21.35	organisms purse: ysiological van he significance cular mechani The multiosce for the animation ture: sed students: 8 C	riables in ani e of biologica isms of biolog cillatory syste al and human 39 D 12.36	mals and m al rhythms in gical clocks i m of the org n life. The E E 4.49	an. Basic non n the evoluti n animals. The anism. The s application of FX 0.0	otions and c on of living ne endogeno significance of chrono-p	ategories of things. The ous character of circadian hysiological
To outline in evolution <b>Brief outlin</b> Time struct biological genetic bass of biologic and seasor principles. <b>Recommen</b> <b>Course lan</b> <b>Notes:</b> <b>Course ass</b> Total numb A 21.35 <b>Provides:</b> p	the problem n of living <b>ne of the co</b> eture of phy rhythms. T sis and mole cal rhythms nal rhythms nded literat reguage: eessment ber of asses B 21.35 prof. RNDr.	organisms purse: ysiological van he significance cular mechani The multiosce for the animation ture: sed students: 8 C 29.21	riables in ani e of biologica isms of biolog cillatory syste al and human 39 D 12.36 ijda, CSc., RN	mals and m al rhythms in gical clocks i m of the org n life. The E E 4.49	an. Basic non n the evoluti n animals. The anism. The s application of FX 0.0	otions and c on of living ne endogeno significance of chrono-p	ategories of things. The ous character of circadian hysiological

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚBEV/ CM/04	Course name: Citation in monograph		
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period:		
Number of ECTS cr	edits: 20		
Recommended seme	ster/trimester of the course:		
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asses	ssed students: 0		
Provides:			
Date of last modifica	tion:		
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	science	
<b>Course ID:</b> ÚBEV/ CZC/04	Course name: Citation in	scientific journal published abroad
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period: esent	
Number of ECTS cr		
Recommended seme	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended litera	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 48	
	abs	n
	100.0	0.0
Provides:		
Date of last modific:	ation:	
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	science	
Course ID: ÚBEV/ CDC/04	<b>Course name:</b> Citation in residence	scientific journal published in the country of
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period: esent	
Number of ECTS cr	edits: 5	
Recommended seme	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended liter	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 6	
	abs	n
	100.0	0.0
Provides:		
Date of last modific:	ation:	
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚBEV/ SCI/04	Course name: Citation reg	gistered in Science Citation Index
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent	
Number of ECTS cr		
	ster/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the <b>c</b>	course:	
Recommended litera	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 69	
	abs	n
	100.0	0.0
Provides:		
Date of last modifica	ntion:	
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	Science	
<b>Course ID:</b> ÚBEV/ SMPR/04	Course name: Co-worker schemes	of project supported by international grant
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period: esent	
Number of ECTS cr		
	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended liter	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	essed students: 40	
	abs	n
	100.0	0.0
Provides:		
Date of last modific:	ation:	
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚBEV/ SDPR/04	Course name: Co-worker	of project supported by national grant schemes
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period:	
Number of ECTS cr	edits: 2	
Recommended seme	ster/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the c	course:	
Recommended litera	nture:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 420	
	abs	n
	100.0	0.0
Provides:		
Date of last modifica	ition:	
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.	

n 1. –	F. J. Salalir	Contract University	in Košice				
Faculty: Fa	culty of Sci	ence					
<b>Course ID:</b> PFYZ/15	ÚBEV/ C	course name	: Comparativ	e animal phy	ysiology		
Course ty Recomme Per week:	pe: Lecture	-					
	ECTS cred						
Recommen	ided semest	er/trimester	of the cours	e:			
Course leve	el: II., III.						
Prerequisit	ties:						
	for course ce of oral exa	completion:					
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influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquatic	the metabo scies). Therm nt). The phyl of the brain. I rates. Repro- aviour. The n of the circ c animals. Ex-	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste accretory syste	siology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ms in animal ems of the an	vsical work; hermic and le nervous sys crinal regula imals. Navig nge of respi s. Water- and	principles of nomoiotherm tem. Sensori tion of body gation in anir ratory gases	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge	Formance in life in coo the animals evertebrate basicss o enetic view
influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquatio	the metabo scies). Therm nt). The phyl of the brain. I rates. Repro- aviour. The n of the circ c animals. Ex- aded literatu	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste accretory syste	siology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ms in animal	vsical work; hermic and le nervous sys crinal regula imals. Navig nge of respi s. Water- and	principles of nomoiotherm tem. Sensori tion of body gation in anir ratory gases	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge	Formance in life in coo the animals evertebrate basicss o enetic view
influencing various spe environmen Evolution c and vertebr animal beh Compariso and aquatic <b>Recommen</b> <b>Course lan</b>	the metabo scies). Therm nt). The phyl of the brain. I rates. Repro- aviour. The n of the circ c animals. Ex- aded literatu	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste accretory syste	siology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ms in animal	vsical work; hermic and le nervous sys crinal regula imals. Navig nge of respi s. Water- and	principles of nomoiotherm tem. Sensori tion of body gation in anir ratory gases	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge	Formance in life in coo the animals evertebrate basicss o enetic view
influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquatio <b>Recommen</b> <b>Course lan</b> <b>Notes:</b> <b>Course ass</b>	g the metabo ccies). Therm nt). The phylof the brain. I rates. Repro- aviour. The n of the circ c animals. Ex- aded literatu guage: essment	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste accretory syste	siology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ms in animal ems of the an	vsical work; hermic and le nervous sys crinal regula imals. Navig nge of respi s. Water- and	principles of nomoiotherm tem. Sensori tion of body gation in anir ratory gases	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge	Formance in life in coo the animals evertebrate basicss o enetic view
influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquation Recommen Course lan Notes: Course ass	g the metabo ccies). Therm nt). The phylof the brain. I rates. Repro- aviour. The n of the circ c animals. Ex- aded literatu guage: essment	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste acretory syste	siology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ms in animal ems of the an	vsical work; hermic and le nervous sys crinal regula imals. Navig nge of respi s. Water- and	principles of nomoiotherm tem. Sensori tion of body gation in anir ratory gases	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge	formance in life in coo he animals evertebrates basicss of enetic view
influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquatic Recommen Course lan Notes: Course asse Total numb	the metabo scies). Therm nt). The phyl of the brain. I rates. Repro- aviour. The n of the circ c animals. Ex- aded literatu guage: essment per of assessed	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste ccretory syste tre:	siology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ms in animal ems of the ani	vsical work; hermic and hermic and hermic and hermic and hermic and hermic and hermic and series of the series of	principles of nomoiotherm tem. Sensori tion of body ation in anir ratory gases d mineral ho	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge usekeeping in	Formance in life in coo he animals evertebrates c basicss o enetic view n terrestria
influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquatic Recommen Course lan Notes: Course asse Total numb A 45.0	the metabo scies). Therm nt). The phylof the brain. I rates. Repro- aviour. The n of the circ c animals. Ex- ded literatu guage: essment ber of assessed B 25.0	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste ccretory syste tre:	20 biology of phy ping (poikilot opment of the nd neuroendoo ms of the ani of the excha ems of the ani 20 D 10.0	vsical work; hermic and hermic and hermical series of the seri	principles of nomoiotherm tem. Sensori tion of body ation in anir ratory gases d mineral ho	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge usekeeping in	Formance in life in cool         he animals         evertebrate         c basicss o         enetic view         n terrestria
influencing various spe environmen Evolution of and vertebr animal beh Compariso and aquatic Recommen Course lan Notes: Course asse Total numb A 45.0 Provides: p	the metabo scies). Therm nt). The phylof the brain. I rates. Repro- aviour. The n of the circ canimals. Ex- ded literatu guage: essment ber of assesses B 25.0 prof. RNDr. I	lic rate; phys nal housekeep ogenic devel Endocrinal ar ductive syste mechanisms ulatory syste ccretory syste tre:	20 20 20 20 10.0 10.0 20 20 20 20 20 20 20 20 20 2	vsical work; hermic and hermic and hermical series of the seri	principles of nomoiotherm tem. Sensori tion of body ation in anir ratory gases d mineral ho	aerobic perf ic strategies, c abilities of t functions in e nals. Motoric in a phyloge usekeeping in	Formance in life in cool         he animals         evertebrate         c basicss o         enetic view         n terrestria

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
<b>Course ID:</b> ÚBEV/ DK/04	Course name: Conference	in the country of residence
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period: esent	
Number of ECTS cr		
	ster/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended litera	ature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 145	
	abs	n
	100.0	0.0
Provides:		
Date of last modifica	ation:	
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ ODZP/14	Course name: Defence of	Doctoral Thesis	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the <b>c</b>	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 47		
	Ν	Р	
	0.0	100.0	
Provides:			
Date of last modifica	tion: 03.05.2015		
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ DZS/14	Course name: Dissertatio	n examination	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities: ÚBE	V/VEK3/11		
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 58		
	Ν	Р	
	0.0	100.0	
Provides:			
Date of last modifica	ition: 03.05.2015		
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ DZP1a/04	Course name: Doctoral 7	Thesis	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cour	se: 6.	
Course level: III.			
Prerequisities:			
<b>Conditions for cours</b>	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 33		
	abs	n	
	100.0	0.0	
Provides:		·	
Date of last modifica	ation:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ DZP1b/04	Course name: Doctoral T	Thesis	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cour	se: 8.	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 55		
	abs	n	
	100.0	0.0	
Provides:		1	
Date of last modifica	ntion:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University:	P. J. Šafáril	k University i	n Košice				
Faculty: Fa	culty of Sci	ence					
<b>Course ID:</b> EET1/03	ÚBEV/	Course name:	Ecological e	ethology			
Course ty Recomme Per week:	pe: Lecture nded cours	e-load (hours ady period: 2	5):				
Number of	ECTS cred	lits: 6					
Recommen	ded semest	er/trimester	of the course	e:			
Course leve	el: II., III.						
Prerequisit	ies: ÚBEV/	ETO1/03					
<b>Conditions</b> Recognition Oral exmin	1.	completion:					
<b>Learning o</b> To analyze of view of s	and compre	hend to pricip	les of behavio	oral strategi	es in a given e	ecosystem fro	om the point
in animals the ecosyst parental stra	of sociobiolo and in mar em. The ch ategy. Com	bgy and its re n. Strategies of oice of appro- petition amon	of social inte priate social	ractions an arrangemer	d formation	of groups in	relation to
Recommen	ded literati	ure:					
Course lang	guage:						
Notes:							
<b>Course asso</b> Total numb		ed students: 1	92				
А	В	C	D	E	FX	Ν	Р
88.54	4.17	5.73	0.52	0.0	0.0	0.0	1.04
Provides: <b>R</b>	NDr. Igor N	Majláth, PhD.	<u> </u>		·	<u>.</u>	
Date of last	modificati	on: 03.05.201	15				
			-				

<b>T</b> T • •							
University:	P. J. Šafári	k University i	n Košice				
Faculty: Fac	culty of Sci	ience					
<b>Course ID:</b> EKC1/00	ÚBEV/	Course name:	Ecology of	mammals			
Course typ Recommen	e: Lecture nded cours 1 / 1 Per st	se-load (hours tudy period:	5):				
Number of	ECTS crea	dits: 3					
Recommen	led semest	ter/trimester	of the cours	se:			
Course leve	<b>l:</b> II., III.						
Prerequisiti	es:						
Conditions	for course	completion:					
aestivation, Interactions and plants.	nvironmen letargy. R . Komensa	t. Temperature leseources. Fo		trategies and	d specialistai	ions. Habita	
Habitat sele cycles. Grad studies. Hab introduction	tems. Oest ection. Indi dations. Ma pitat fragme s. Repatria	ebs. Teritoria trus. r- and l vidual. Popul ammal diverse entations. Syn ations, reintroo	K- strategy. ation. Natali ity. Island bi anthropy. C ductions. Ex	range. Lek Monogamy, ity, mortality. iogeografy. Monservation of pansions. Global	<ul> <li>Metapopu polygamy.</li> <li>Kohorts. Po Macroecology of mammals.</li> <li>obal climate</li> </ul>	ulations. Re Dispersion. opulation dy y. Gradients. Wind energ	Mammal production Migration namics and Long-tern y. Mamma
Habitat sele cycles. Grad studies. Hab introduction Protected an <b>Recommend</b> Feldhamer ( and Ecology Vlasák P., 1	tems. Oest ection. Indi dations. Ma bitat fragmo is. Repatria reas. Vulner ded literatu G., Drickan y. McGraw 986. Ekolo	ebs. Teritoria trus. r- and l vidual. Popul ammal divers: entations. Syn ations, reintroo ralble species.	K- strategy. ation. Natali ity. Island bi anthropy. Co ductions. Ex Minimal via SH., Merrit k, 563 pp.	range. Lek Monogamy, ity, mortality. iogeografy. Nonservation of pansions. Gle able population t JF., 2000. No	<ul> <li>Metapopu polygamy.</li> <li>Kohorts. Po Macroecology of mammals.</li> <li>obal climate on.</li> </ul>	ulations. Re Dispersion. opulation dy y. Gradients. Wind energ changes and	Mammal production Migration namics and Long-tern y. Mamma mammals
Habitat sele cycles. Grad studies. Hab introduction Protected an <b>Recommend</b> Feldhamer ( and Ecology Vlasák P., 1 <b>Course lang</b>	tems. Oest ection. Indi dations. Ma bitat fragmo is. Repatria reas. Vulner ded literatu G., Drickan y. McGraw 986. Ekolo	ebs. Teritoria trus. r- and l vidual. Popul ammal divers entations. Syn ations, reintroo ralble species. <b>ure:</b> ner L., Vessey Hill Hardbac	K- strategy. ation. Natali ity. Island bi anthropy. Co ductions. Ex Minimal via SH., Merrit k, 563 pp.	range. Lek Monogamy, ity, mortality. iogeografy. Nonservation of pansions. Gle able population t JF., 2000. No	<ul> <li>Metapopu polygamy.</li> <li>Kohorts. Po Macroecology of mammals.</li> <li>obal climate on.</li> </ul>	ulations. Re Dispersion. opulation dy y. Gradients. Wind energ changes and	Mammal production Migration namics and Long-tern y. Mamma mammals
Habitat sele cycles. Grad studies. Hab introduction Protected an Recommend Feldhamer ( and Ecology Vlasák P., 1 Course lang Notes:	tems. Oest ection. Indi dations. Ma bitat fragme is. Repatria reas. Vulner ded literatu G., Drickan y. McGraw 986. Ekolo guage:	ebs. Teritoria trus. r- and l vidual. Popul ammal divers entations. Syn ations, reintroo ralble species. <b>ure:</b> ner L., Vessey Hill Hardbac	K- strategy. ation. Natali ity. Island bi anthropy. Co ductions. Ex Minimal via SH., Merrit k, 563 pp.	range. Lek Monogamy, ity, mortality. iogeografy. Nonservation of pansions. Gle able population t JF., 2000. No	<ul> <li>Metapopu polygamy.</li> <li>Kohorts. Po Macroecology of mammals.</li> <li>obal climate on.</li> </ul>	ulations. Re Dispersion. opulation dy y. Gradients. Wind energ changes and	Mammal production Migration namics and Long-tern y. Mammal mammals
Habitat sele cycles. Grac studies. Hab introduction Protected an <b>Recommend</b> Feldhamer ( and Ecology Vlasák P., 1 <b>Course lang</b> <b>Notes:</b> <b>Course asse</b>	tems. Oest ection. Indi dations. Ma pitat fragme is. Repatria reas. Vulner ded literatu G., Drickan y. McGraw 986. Ekolo guage:	ebs. Teritoria trus. r- and l vidual. Popul ammal divers entations. Syn ations, reintroo ralble species. <b>ure:</b> ner L., Vessey Hill Hardbac	K- strategy. ation. Natali ity. Island bi anthropy. C ductions. Ex Minimal via SH., Merrit k, 563 pp. Academia, Pr	range. Lek Monogamy, ity, mortality. iogeografy. Nonservation of pansions. Gle able population t JF., 2000. No	<ul> <li>Metapopu polygamy.</li> <li>Kohorts. Po Macroecology of mammals.</li> <li>obal climate on.</li> </ul>	ulations. Re Dispersion. opulation dy y. Gradients. Wind energ changes and	Mammal production Migration namics and Long-tern y. Mammal mammals
Habitat sele cycles. Grac studies. Hab introduction Protected an <b>Recommend</b> Feldhamer ( and Ecology Vlasák P., 1 <b>Course lang</b> <b>Notes:</b> <b>Course asse</b>	tems. Oest ection. Indi dations. Ma pitat fragme is. Repatria reas. Vulner ded literatu G., Drickan y. McGraw 986. Ekolo guage:	ebs. Teritoria trus. r- and l vidual. Popul ammal divers: entations. Syn ations, reintroo ralble species. <b>ure:</b> ner L., Vessey Hill Hardbac ogie cicavcu. A	K- strategy. ation. Natali ity. Island bi anthropy. C ductions. Ex Minimal via SH., Merrit k, 563 pp. Academia, Pr	range. Lek Monogamy, ity, mortality. iogeografy. Nonservation of pansions. Gle able population t JF., 2000. No	<ul> <li>Metapopu polygamy.</li> <li>Kohorts. Po Macroecology of mammals.</li> <li>obal climate on.</li> </ul>	ulations. Re Dispersion. opulation dy y. Gradients. Wind energ changes and	Mammal production Migration namics and Long-tern y. Mamma mammals

Provides: doc. RNDr. Marcel Uhrin, PhD.

Date of last modification: 03.05.2015

Approved: prof. RNDr. Beňadik Šmajda, CSc.

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
<b>Course ID:</b> ÚBEV/ END/04	Course name: Endocr	inology
Course type, scope a Course type: Lectur Recommended cour Per week: 1 Per stu Course method: pre	re / Practice <b>rse-load (hours):</b> I <b>dy period:</b> 14 / Os	
Number of ECTS cr	edits: 3	
Recommended seme	ster/trimester of the co	ourse:
Course level: III.		
Prerequisities:		
<b>Conditions for cours</b> Oral examination.	e completion:	
Learning outcomes: To broaden the studer and human organism	•	rine organ and tissue function at all levels of the animal
secretion, transport at hormonal signal into thyroid gland, regula and phosphorus home islets, regulation of m Neuroendocrine regu	of hormones, general p nd degradation. Hormor the cell. Neuroendocri tion of thyroid secretion eostasis. Hormones of ac letabolic processes. Horn lation of food intake a d female reproduction, h	rinciples of hormone action. Hormone biosynthesis, ne-receptor interaction, receptor types, transmission of nology, hypothalamic-pituitary system. Hormones of a. Parathyroid glands, hormonal regulation of calcium drenal glands – adrenal cortex and medulla. Pancreatic mones and regulatory peptides of gastrointestinal tract. and body mass, endocrine activity of adipose tissue. hormonal regulation of pregnancy and lactation. Pineal
<ol> <li>Jameson J.L.: Harr</li> <li>Gardner D.G., Sho Companies Inc., 201</li> </ol>	asic Medical Endocrinc rison´s Endocrinology. N back D.: Greenspan´s E	ology. Academic Press 2009 McGraw-Hill Companies Inc., 2010 Basic and Clinical Endocrinology. McGraw-Hill
Course language:		
Notes:		
Course assessment	ssed students <sup>,</sup> 9	
Total number of asse		
	N	Р

Date of last modification: 03.05.2015

Approved: prof. RNDr. Beňadik Šmajda, CSc.

University: P. J.	Šafárik Univers	ity in Košice						
Faculty: Faculty	of Science							
Course ID: CJP/ AJD1/07	Course name: English Language for PhD Students 1							
Course type, sco Course type: Pr Recommended Per week: 2 Per Course method	actice course-load (h r study period:	ours):						
Number of ECT	S credits: 2							
Recommended s	emester/trimes	ster of the cours	<b>e:</b> 1.					
Course level: III.								
Prerequisities:								
Conditions for co Written assignment distance mode of	ents - profession	nal CV, short aca	demic biography	y (200-350 words)	).			
Learning outcon	nes:							
Brief outline of t	he course:							
Recommended li	iterature:							
Course language	<b>)</b> •							
Notes:								
Course assessme Total number of		ts: 649						
N	Ne	Р	Pr	abs	neabs			
0.0	0.0	51.31	0.0	48.69	0.0			
Provides: PhDr. 1	Helena Petruňo	vá, CSc., Mgr. Z	uzana Kolaříkov	vá, PhD.	1			
Date of last mod	ification: 11.02	2.2021						
Annuavada prof	DNDr Donadil	Šmajda, CSc.						

Faculty: Faculty of S	árik University in Košice		
racuity. Faculty of S	Science		
Course ID: CJP/ AJD2/07			
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pr	ice 1rse-load (hours): udy period: 28		
Number of ECTS ci	redits: 3		
Recommended seme	ester/trimester of the course: 2.		
Course level: III.			
Prerequisities:			
	struction. Online consultations. cordance with the exam requirements (https://www.upjs.sk/filozoficka-fakulta		
(selected aspects of pragmatic competence	: cudents'language skills, improvement of students'linguistic competencies English pronunciation, vocabulary and syntax), development of students's ce (selected aspects of functional grammar) with focus on English for academic es. B2/C1 level of lanugage competence (according to CEFR.)		
<b>Brief outline of the</b> Specific aspecs of a	academic and professional English with focus on vocabulary developmen		
(noun and verb collo language, etc.), select etc.), selected function	cations, phrasal verbs, prepositional phrases, word-formation, formal/informa cted aspects of English grammar (prepositions, grammar tenses, passive voice onal grammar (expressing opinion, cause/effect, arguments, examples, etc.). cation. Cross-language interference.		
(noun and verb collo language, etc.), select etc.), selected function Academic community <b>Recommended liter</b>	cted aspects of English grammar (prepositions, grammar tenses, passive voice onal grammar (expressing opinion, cause/effect, arguments, examples, etc.). cation. Cross-language interference.		
(noun and verb collo language, etc.), select etc.), selected function Academic communion Recommended liter Kolaříková, Z., Petro	cted aspects of English grammar (prepositions, grammar tenses, passive voice onal grammar (expressing opinion, cause/effect, arguments, examples, etc.). cation. Cross-language interference.		
(noun and verb collo language, etc.), select etc.), selected function Academic community Recommended liter Kolaříková, Z., Petru UPJŠ Košice, 2015 McCarthy, M., O'De Štepánek, L., J. De H	cted aspects of English grammar (prepositions, grammar tenses, passive voice onal grammar (expressing opinion, cause/effect, arguments, examples, etc.). cation. Cross-language interference. <b>ature:</b> uňová, H., Timková, R.: Angličtina v akademickom prostredí (cvičebnica). ell, F.: Academic Vocabulary in Use. CUP, 2008		
(noun and verb collo language, etc.), select etc.), selected function Academic community Recommended liter Kolaříková, Z., Petru UPJŠ Košice, 2015 McCarthy, M., O'De Štepánek, L., J. De H 2011 Blašková, K.: Handb	cted aspects of English grammar (prepositions, grammar tenses, passive voice onal grammar (expressing opinion, cause/effect, arguments, examples, etc.). cation. Cross-language interference. <b>rature:</b> uňová, H., Timková, R.: Angličtina v akademickom prostredí (cvičebnica).		

B2/C1 level according to CEFR	
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B2/C1 level according to CEFR					
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 607			
Ν	Ne P Pr abs neabs				
0.33	0.0	92.59	1.32	5.77	0.0
Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD.					
Date of last mo	dification: 10.02	2.2021			
Approved: prof	. RNDr. Beňadik	Šmajda, CSc.			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	science		
<b>Course ID:</b> ÚBEV/ EFYZ/04			
Course type, scope a Course type: Practi Recommended cou Per week: Per stud Course method: pro	ce <b>rse-load (hours):</b> ly period: 15s		
Number of ECTS cr	redits: 4		
Recommended seme	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 7		
	N P		
	0.0 100.0		
Provides:			
Date of last modifica	ation: 03.05.2015		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
<b>Course ID:</b> ÚBEV/ ETO/04	e		
Course type, scope a Course type: Practic Recommended cou Per week: Per stud Course method: pre	ce <b>rse-load (hours):</b> ly period: 15s		
Number of ECTS cr	edits: 4		
Recommended seme	ester/trimester of the cours	2:	
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the c	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 17		
	N P		
	0.0 100.0		
Provides: RNDr. Igo	r Majláth, PhD., RNDr. Natá	lia Pipová, PhD.	
Date of last modifica	ation: 03.05.2015		
Approved: prof. RNDr. Beňadik Šmajda, CSc.			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ EXON/04	1 65		
Course type, scope a Course type: Lectur Recommended cou Per week: 15 Per st Course method: pre	re rse-load (hours): tudy period: 210		
Number of ECTS cr	redits: 5		
Recommended seme	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
<b>Conditions for cours</b> Oral examination.	se completion:		
<b>Learning outcomes:</b> To clarify the genera its modulation in exp	l mechanism and principles	of neoplastic transformation and possibilities of	
oncogenes, tumor su factors. Possibilities	t transformation. Modulat uppressor genes. Modulatior	ion of signal transduction in carcinogenesis, of malignant transformation by environmental . Testing of chemopreventive substances. In vitro	
<b>Recommended litera</b> Weinberg R.A, The b Scientific journal arti	biology of cancer. Garland Se	cience, Taylor and Francis Group, LLC, 2007.	
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 12		
N P			
	0.0 100.0		
	0.0	100.0	
Provides: doc. RNDr	0.0 . Bianka Bojková, PhD.	100.0	
Provides: doc. RNDr Date of last modifica	: Bianka Bojková, PhD.	100.0	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	Science		
<b>Course ID:</b> ÚBEV/ IMU/04			
Course type, scope a Course type: Practi Recommended cou Per week: Per stud Course method: pro	ce rse-load (hours): ly period: 20s		
Number of ECTS cr	redits: 5		
Recommended seme	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
<b>Conditions for cours</b>	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	essed students: 35		
	N P		
	0.0 100.0		
Provides: RNDr. Vla	sta Demečková, PhD.		
Date of last modifica	ation: 03.05.2015		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
<b>Course ID:</b> ÚBEV/ NEM/04	Course name: Implementation of new experimental methodology		
Course type, scope a Course type: Recommended cou Per week: Per stuc Course method: pro	rse-load (hours): ly period: esent		
Number of ECTS cr	edits: 15		
Recommended seme	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:	Prerequisities:		
Conditions for course completion:			
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	Recommended literature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 77		
	abs n		
	100.0 0.0		
Provides:			
Date of last modifica	ation:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ MK/04	: ÚBEV/ Course name: International Conference		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period:		
Number of ECTS cr	edits: 6		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 220		
	abs n		
	100.0 0.0		
Provides:			
Date of last modifica	ntion:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ DKZU/04	<b>Course name:</b> International conference taking place in the country of residence		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period:		
Number of ECTS cr	edits: 4		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 118		
	abs n		
	100.0 0.0		
Provides:			
Date of last modifica	ntion:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	Science		
<b>Course ID:</b> ÚBEV/ ZNC/04	<b>Course name:</b> Journals not registered in the Current Contents Connect database and published abroad		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period:		
Number of ECTS cr	redits: 5		
Recommended seme	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 60		
	abs n		
	100.0 0.0		
Provides:			
Date of last modifica	ation:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	nrik University in Košice			
Faculty: Faculty of S	Science			
<b>Course ID:</b> ÚBEV/ DNC/04	<b>Course name:</b> Journals not registered in the Current Contents Connect database and published in the country of residence			
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period: esent			
Number of ECTS ci				
Recommended seme	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes:				
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	essed students: 46			
	abs	n		
100.0 0.0				
Provides:				
Date of last modific	ation:			
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	Science			
<b>Course ID:</b> ÚBEV/ ZKC/04	<b>Course name:</b> Journals registered in the Current Contents Connect database and published abroad			
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ły period:			
Number of ECTS cr	redits: 20			
Recommended seme	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes:				
Brief outline of the o	course:			
Recommended liter	ature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	essed students: 259			
	abs	n		
100.0 0.0				
Provides:				
Date of last modific:	ation:			
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
<b>Course ID:</b> ÚBEV/ DKC/04	<b>Course name:</b> Journals registered in the Current Contents Connect database and published in the country of residence			
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period: esent			
Number of ECTS cr				
	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cours	se completion:			
Learning outcomes:				
Brief outline of the o	course:			
Recommended liter	ature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	ssed students: 17			
	abs	n		
100.0 0.0				
Provides:				
Date of last modific:	ation:			
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.			

-	rik University in Košice				
Faculty: Faculty of S	Science				
<b>Course ID:</b> ÚBEV/ NEU/04					
Course type, scope a Course type: Lectur Recommended cou Per week: Per stud Course method: pro	re <b>rse-load (hours):</b> <b>ly period:</b> 15s				
Number of ECTS cr	redits: 6				
Recommended seme	ester/trimester of the cours	e:			
Course level: III.					
Prerequisities:					
<b>Conditions for cours</b> Oral examination.	se completion:				
<b>Learning outcomes:</b> To provide students v		dge on the biological basis of behaviour.			
Brief outline of the c					
Neuronal mechanism and right hemisphere	ns of learning and memory. It es in control of various type	Neurochemistry of emotions. The role of the left es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. Recommended litera A.Wickens: Foundati T.J.Carew: Behaviora	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learni	es of behaviour. Neurodegenerative processes in			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. <b>Recommended litera</b> A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learni	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000.			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. <b>Recommended litera</b> A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart Amsterdam,,2007.	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learni	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000.			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. <b>Recommended litera</b> A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart Amsterdam,,2007. Course language:	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learni	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000.			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. Recommended litera A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart Amsterdam,,2007. Course language: Notes: Course assessment	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learni	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000.			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. Recommended litera A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart Amsterdam,,2007. Course language: Notes: Course assessment	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learning sessed students: 13	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000. ing and memory. Academic Press,Elsevier,			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. Recommended litera A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart Amsterdam,,2007. Course language: Notes: Course assessment Total number of asse	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learning sinez: Neurobiology of learning sessed students: 13	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000. ing and memory. Academic Press,Elsevier, P			
Neuronal mechanism and right hemisphere the CNS. Biological addiction. Recommended litera A.Wickens: Foundati T.J.Carew: Behaviora R.P.Kesner, J.L.Mart Amsterdam,,2007. Course language: Notes: Course assessment Total number of asse	ns of learning and memory. I es in control of various type basis of patological deviation ature: ions of Biopsychology. Pears al Neurobiology. Sinauer As inez: Neurobiology of learning sessed students: 13 N 0.0 r. Beňadik Šmajda, CSc.	es of behaviour. Neurodegenerative processes in ons of behaviour in humans. Neurophysiology of son/Prentice Hall, Harlow,London,,2005. soc.,Sunderland (USA), 2000. ing and memory. Academic Press,Elsevier, P			

University: P. J. Šafa	árik University in Košice			
Faculty: Faculty of S	Science			
<b>Course ID:</b> ÚBEV/ NZ/04		<b>Course name:</b> Non-reviewed collections of papers and monographs published abroad or in the country of residence		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): dy period:			
Number of ECTS ci				
Recommended sem	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes:				
Brief outline of the	course:			
<b>Recommended liter</b>	ature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	essed students: 127			
	abs	n		
100.0 0.0				
Provides:				
Date of last modific	ation:			
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.			

University: P. J. Ša	fárik	University in	n Košice				
Faculty: Faculty o	f Scie	ence					
<b>Course ID:</b> ÚBEV PAR1/03	/ <b>C</b>	ourse name:	Parasitolog	y I.			
Course type, scop Course type: Lec Recommended c Per week: 2 / 2 P Course method:	ture / ourse er stu	Practice -load (hours idy period: 2	s):				
Number of ECTS	credi	i <b>ts:</b> 6					
Recommended set	neste	er/trimester	of the cours	e:			
Course level: I., II	, III.						
Prerequisities: ÚE	EV/Z	ZOM/04 and	leboÚBEV/2	ZO1/03 and	leboÚBEV/Z	O1/04	
Conditions for co	irse c	completion:					
Learning outcome	s:						
Brief outline of th	e cou	rse:					
Recommended lit	eratu	re:					
Course language:		,					
Notes:							
<b>Course assessmen</b> Total number of as		d students: 4	39				
A B		С	D	Е	FX	Ν	Р
52.16 20.0	)5	12.76	10.48	3.19	0.68	0.0	0.68
Provides: RNDr. V	iktór	ia Majláthov	á, PhD., RN	Dr. Igor Maj	láth, PhD.		
Date of last modif	catio	on: 03.05.201	5				
Approved: prof. R	NDr.	Beňadik Šm	ajda, CSc.				

University:	P. J. Šafárik	University i	n Košice				
Faculty: Fac	culty of Scie	ence					
<b>Course ID:</b> PAR2/03	ÚBEV/ C	course name:	Parasitology	/ II			
Course typ Recommen	e: Lecture / ided course 1 / 1 Per st	e-load (hours udy period:	s):				
Number of ]	ECTS cred	its: 3					
Recommend	led semeste	er/trimester	of the cours	2:			
Course leve	<b>l:</b> II., III.						
Prerequisiti	es:						
Conditions	for course	completion:					
Learning ou	itcomes:						
Brief outlin	e of the cou	irse:					
Recommend	led literatu	ire:					
Course lang	guage:						
Notes:							
Course asse Total numbe		ed students: 5	7				
A	В	C	D	Е	FX	Ν	Р
78.95	10.53	7.02	1.75	0.0	1.75	0.0	0.0
Provides: R	NDr. Viktóı	ria Majláthov	á, PhD.		,		
Date of last	modification	on: 03.05.201	5				
Approved: 1	orof. RNDr.	Beňadik Šm	ajda, CSc.				

University: P. J. Šaf	ärik University	in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> KPE/ PgVU/17	PE/ Course name: Pedagogy for university teachers				
Course type, scope Course type: Lectu Recommended cou Per week: Per stu Course method: p	ire i <b>rse-load (houi</b> dy period: 28s				
Number of ECTS c	redits: 5				
Recommended sem	ester/trimester	of the course:			
Course level: III.					
Prerequisities:	_				
Conditions for cour	se completion:				
Learning outcomes	:				
Brief outline of the	course:				
Recommended liter	ature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed students:	32			
abs		n	neabs		
100.0 0.0 0.0					
Provides: PaedDr. R	lenáta Orosová,	PhD.			
Date of last modific	ation: 12.02.20	021			
Approved: prof. RN	Dr. Beňadik Šn	najda, CSc.			

University: P. J. Šafá	arik University in Košice			
Faculty: Faculty of S	Science			
<b>Course ID:</b> ÚBEV/ RZ/04	<b>Course name:</b> Peer-reviewed collections of papers and monographs published abroad or in in the country of residence			
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	rse-load (hours): dy period: esent			
Number of ECTS ci				
Recommended seme	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes:				
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	essed students: 293			
	abs	n		
100.0 0.0				
Provides:				
Date of last modific	ation:			
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.			

0 111 01 510 0 1 0 0 0 0 0 0	rik University in Košice
Faculty: Faculty of So	cience
Course ID: KPPaPZ/PsVU/17	Course name: Psychology for University Lecturers
Course type, scope a Course type: Lectur Recommended cour Per week: Per stud Course method: pre	e se-load (hours): y period: 28s
Number of ECTS cro	edits: 5
Recommended semes	ster/trimester of the course:
Course level: III.	
Prerequisities:	
<b>Conditions for cours</b> Case study, micro-out Current modifications board of the course.	-
teaching practice of d knowledge from cog psychology, developp enable university tea of human developme	logical skills necessary for professional, competent performance of university octoral students on the basis of acquisition and use of selected psychological gnitive psychology, psychology of emotions and motivation, personality mental, social, pedagogical psychology and health psychology. They will achers - doctoral students to understand the psychological interpretation ent, upbringing and education. The acquired knowledge will enable better e, are closely linked to practice and are based on current knowledge of the field.
teacher in relation to a use of methods), in r selected areas of cog	d his work in the teaching process with a focus on: himself (cognitive, personality, social competencies and competencies in the elation to students and as part of the teacher-student relationship based on nitive psychology, psychology of emotions and motivation, developmental ychology, educational psychology and health psychology with application to
Schneider F., Gruman Fry, H., Ketteridge, S education: Enhancing Mareš, J.: Pedagogick Kniha psychologie. U Čáp, J., Mareš, J.: Psy	<ul> <li>Applying social psychology to education. Social Psychology.–Ed.:</li> <li>J., Coutts L.–Sage Publications, Inc, 205-228.</li> <li>&amp; Marshall, S. (2008). A handbook for teaching and learning in higher academic practice. Routledge.</li> <li>xá psychologie. Portál, 2013.</li> </ul>

Notes:				
<b>Course assessment</b> Total number of assessed studen	ts: 27			
abs n neabs				
100.0	0.0	0.0		
<b>Provides:</b> Mgr. Marta Dobrowol Anna Janovská, PhD.	ska Kulanová, PhD., doc. PhDr. I	Beata Gajdošová, PhD., PhDr.		
Date of last modification: 17.02	2.2021			
Approved: prof. RNDr. Beňadik	šmajda, CSc.			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	Science			
<b>Course ID:</b> ÚBEV/ RBI/04	Course name: Radiation	biology		
Course type, scope a Course type: Practi Recommended cou Per week: Per stud Course method: pro	ce rse-load (hours): ly period: 15s			
Number of ECTS cr	edits: 4			
Recommended seme	ester/trimester of the cour	se:		
Course level: III.				
Prerequisities:				
<b>Conditions for cours</b>	se completion:			
Learning outcomes:				
Brief outline of the o	course:			
Recommended litera	ature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	ssed students: 0			
	N	Р		
0.0 0.0				
Provides: prof. RND	r. Beňadik Šmajda, CSc.			
Date of last modifica	ation: 03.05.2015			
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ ZSP/04	Course name: Realisation of study/research stay abroad		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	e: 6., 8.	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the c	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 101		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ntion:		
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ IG/04	<b>Course name:</b> Receiving a grant under Internal Scientific Grant System (VVGS)		
Course type, scope a Course type: Recommended cou Per week: Per stuc Course method: pro	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	<b>e:</b> 6., 8.	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 156		
	abs	n	
100.0		0.0	
Provides:			
Date of last modifica	ation:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ SSOL/04	Course name: Samostatné štúdium odbornej literatúry		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 251		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ation:		
Approved: prof. RN	Dr. Beňadik Šmajda, CSc.		

University:	P. J. Šafár	ik University i	n Košice				
Faculty: Fa							
Course ID: VKH1/03	ourse ID: ÚBEV/Course name: Selected topics in herpetologyKH1/03						
Course typ Recomme	pe: Lectur nded cour 2 / 1 Per s	se-load (hours study period: 2	s):				
Number of	ECTS cre	edits: 4					
Recommen	ded semes	ster/trimester	of the cours	e:			
Course leve	el: II., III.						
Prerequisit	ies:						
<b>Conditions</b> Writen test. Oral exami		e completion:					
	the know	edge of studen les aquired befo			, 1 ·	gy, ecology a	and ecology
developmen adaptations humidity, et	al overview nt of amp . Adaptaic tc.). Select	v of amphibia and hibia and rept ons on the signified aspects of po- lia from a comp	tilia. Charcto ficant abioti opulation dyr	eristics of 1 c and biotic namics of so	norphologica factors (food	and ecoph d, tepmeratur	nysiological re,substrate,
<ol> <li>2. BARUŠ</li> <li>3. OLIVA (</li> <li>4. ROČEK</li> <li>5. ZWACH</li> </ol>	V. a kol.: I V. a kol.: A D., HRAB Z.: Studie I. : Our sp	ture: Reptiles-Reptili Amphibia (Fau È S., LÁC J. : N s in Herpetolog pecies of amphi CICHHOLF J.:	na of the ČS Vertebrates o gy. Praha, 19 bia and repti	FR). Prague f Slovakia I 86. lia on the pl	,1992. (in Cz . Bratislava, 1 hotograph. Pr	ech) 1968 (in Slov rague,1990.	vak
Course lang	guage:						
Notes:							
Course asso Total numb		sed students: 1	33				
А	В	С	D	Е	FX	N	Р
91.73	5.26	3.01	0.0	0.0	0.0	0.0	0.0
Provides: R	NDr. Igor	Majláth, PhD.	, RNDr. Natá	ilia Pipová,	PhD.	L	
Date of last	modifica	tion: 03.05.201	5				

Approved: prof. RNDr. Beňadik Šmajda, CSc.

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: Dek. PF Course name: Spring School for PhD Students UPJŠ/JSD/14				
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 cro	Number of ECTS credits: 2			
Recommended seme	ster/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	Recommended literature:			
Course language:				
Notes:				
Course assessment Total number of assessed students: 154				
	abs	n		
	100.0	0.0		
Provides: prof. RNDr. Katarína Cechlárová, DrSc.				
Date of last modification: 03.05.2015				
Approved: prof. RNDr. Beňadik Šmajda, CSc.				

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ VYS/04	Course name: Talk given at scholar seminars of department or institute		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr	edits: 2		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the c	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 244		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ntion:		
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
<b>Course ID:</b> ÚBEV/ PDS/18	ÚBEV/ Course name: Writing Dissertation Work		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period:		
Number of ECTS cr	edits: 0		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the c	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 11		
	Ν	Р	
	0.0	100.0	
Provides:			
Date of last modifica	ntion:		
Approved: prof. RNI	Dr. Beňadik Šmajda, CSc.		