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11. Dissertation examination.	
12. Elaboration of reviewer report.	
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University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	Science		
Course ID: ÚFV/ IG/04	1		
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			
	ester/trimester of the cour	'se:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the	course:		
Recommended litera	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 130		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modification	ation:		
Approved:			

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: Astrophysics ASTF/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 4 Per study period: 56 Course method: present Number of ECTS credits: 10 Recommended semester/trimester of the course: 1. Course level: III. **Prerequisities: Conditions for course completion:** Seminar essay. Oral exam with preparation; 3 questions within the curriculum presented during the course. **Learning outcomes:** Become acquainted with other aspects of the formation of spectra in stellar atmospheres. **Brief outline of the course:** Chemical analysis; measurement of stellar radii and temperatures; measurements of photospheric pressure; stellar rotation; velocity fields in stellar photospheres; microturbulence and macroturbulence; stellar granulation. **Recommended literature:** 1. Gray, D.F., The observation and analysis of stellar photospheres, Cambridge University Press, Cambridge, 1992; 2. Böhm-Vitense, E., Introduction to stellar astrophysics, Stellar atmospheres, Cambridge University Press, Cambridge, 1997; 3. Kipenhahn, R., Weigert, A., Stellar Structure and evolution, Springer-Verlag, Berlin, 1990; Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 5 P N 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD. Date of last modification: 26.09.2017

Approved:

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ PVS/04	r		
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent		
Number of ECTS cr			
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	Conditions for course completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 38		
	abs		
100.0 0.0			
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafárik University in Košice			
Faculty: Faculty of S	cience		
Course ID: ÚFV/ CM/04	Course ID: ÚFV/ Course name: Citation in monograph		
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent		
Number of ECTS cr	edits: 20		
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	iture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 1		
abs n			
100.0 0.0			
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ CZC/04			
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: 10		
Recommended seme	ster/trimester of the cour	se:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	nture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 67		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	science	
Course ID: ÚFV/ CDC/04	Course name: Citation residence	in scientific journal published in the country of
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	redits: 5	
Recommended seme	ester/trimester of the cou	rse:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended litera	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	ssed students: 4	
	abs	n
	100.0	0.0
Provides:		<u> </u>
Date of last modifica	ntion:	
Approved:		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of S	cience		
Course ID: ÚFV/ SCI/04	- · · · · · · · · · · · · · · · · · · ·		
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent		
Number of ECTS cr	edits: 20		
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	iture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 227		
	abs n		
100.0 0.0			
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafárik University in Košice		
Faculty: Faculty of S	cience	
Course ID: ÚFV/ SMPR/04	Course name: Co-worker schemes	of project supported by international grant
Course type, scope a Course type: Recommended cour 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 c	ourse:	
Recommended litera	nture:	
Course language:		
Notes:	,	
Course assessment Total number of asse	ssed students: 98	
abs n		
	100.0	0.0
Provides:		
Date of last modifica	ntion:	
Approved:		

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚFV/ 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: esent	
Number of ECTS cr	edits: 2	
Recommended seme	ster/trimester of the cours	se:
Course level: III.		
Prerequisities:		
Conditions for cours	e completion:	
Learning outcomes:		
Brief outline of the c	ourse:	
Recommended litera	iture:	
Course language:		
Notes:		
Course assessment Total number of asse	ssed students: 527	
	abs	n
	100.0	0.0
Provides:		
Date of last modifica	tion:	
Approved:		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	Faculty: Faculty of Science		
Course ID: ÚFV/ ODZP/14	Course name: Defence of	Doctoral Thesis	
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
Recommended seme	ster/trimester of the cours	se:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	nture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 94		
	N P		
	0.0	100.0	
Provides:			
Date of last modifica	tion: 03.05.2015		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚFV/ DZS/14			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present Number of ECTS credits: 20			
Course level: III.	ster/trimester of the cours	e:	
Prerequisities:			
Conditions for cours	ee completion: umber of credits as given by	the study plan.	
Learning outcomes: Evaluation of compet	tences of the student accordi	ng to his/her scientific profile.	
Brief outline of the course: Presentation of the results in the thesis for disertation exam, responding to referee's comments, answering questions of exam committee. Two questions are selected subsequently from one compulsory and one optional subject, respectively. The subjects are selected by guarantee of the program according to the study plan and scientific profile of the student. The third question addresses the current state of work on dissertation thesis.			
Recommended litera	Recommended literature:		
Course language: english			
Notes:			
Course assessment Total number of assessed students: 117			
	N	P	
	0.0 100.0		
Provides:			
Date of last modifica	tion: 03.05.2015		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ VPBP/04 Course name: Elaboration of reviewer report			
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		
	ster/trimester of the cou	rse:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 20		
abs n			
	100.0	0.0	0
Provides:		1	
Date of last modifica	ation:		
Approved:			

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: CJP/ Course n

AJD1/07

Course name: English Language for PhD Students 1

Course type, scope and the method:

Course type: Practice

Recommended course-load (hours): Per week: 2 Per study period: 28

Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: III.

Prerequisities:

Conditions for course completion:

Written assignments - professional CV, short academic biography (200-350 words).

distance mode of instruction using MS teams

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment

Total number of assessed students: 654

N	Ne	P	Pr	abs	neabs
0.0	0.0	51.38	0.0	48.62	0.0

Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD.

Date of last modification: 11.02.2021

Approved:

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: CJP/ | Course name: English Language for PhD Students 2

AJD2/07

Course type, scope and the method:

Course type: Practice

Recommended course-load (hours): Per week: 2 Per study period: 28

Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 2.

Course level: III.

Prerequisities:

Conditions for course completion:

Distance mode of instruction. Online consultations.

Test, oral exam in accordance with the exam requirements (https://www.upjs.sk/filozoficka-fakulta/cjp/doktorandi-upjs/)

Learning outcomes:

Development of students' language skills, improvement of students' linguistic competencies (selected aspects of English pronunciation, vocabulary and syntax), development of students's pragmatic competence (selected aspects of functional grammar) with focus on English for academic and specific purposes. B2/C1 level of lanuage competence (according to CEFR.)

Brief outline of the course:

Specific aspecs of academic and professional English with focus on vocabulary development (noun and verb collocations, phrasal verbs, prepositional phrases, word-formation, formal/informal language, etc.), selected aspects of English grammar (prepositions, grammar tenses, passive voice, etc.), selected functional grammar (expressing opinion, cause/effect, arguments, examples, etc.). Academic communication. Cross-language interference.

Recommended literature:

Kolaříková, Z., Petruňová, H., Timková, R.: Angličtina v akademickom prostredí (cvičebnica). UPJŠ Košice, 2015

McCarthy, M., O'Dell, F.: Academic Vocabulary in Use. CUP, 2008

Štepánek, L., J. De Haff a kol.: Academic English-Akademická angličtina. Grada Publishing, a.s., 2011

Blašková, K.: Handbook of English for Postgraduate Students. Vyd. SPRINT Bratislava, 2007

Dušková, L. a kol.: Hovorová angličtina pre vedeckých a odborných pracovníkov. Veda.

Bratislava, 1982

Armer, T.: Cambridge English for Scientists. CUP, 2011

Porter, D.: Check your vocabulary for Academic English. Macmillan Publishers Limited, 2008

Oxford Collocations Dictionary for students of English. OUP, 2002

lms.upjs.sk

Course language:

B2/C1 level according to CEFR					
Notes:					
Course assessment Total number of assessed students: 649					
N Ne P Pr abs neabs					
0.31 0.0 93.07 1.23 5.39 0.0					
Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD.					
Date of last modification: 10.02.2021					
Approved:					

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: High energy astrophysics ASVE/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 5 Recommended semester/trimester of the course: 3. Course level: III. **Prerequisities: Conditions for course completion:** Seminar essay. Oral exam with preparation; 3 questions within the curriculum presented during the course. **Learning outcomes:** Become acquainted with the basics of high energy astrophysics. **Brief outline of the course:** Astrophysical mechanisms of the origin and properties of high energy photons in different types of cosmic objects: solar system bodies, active stellar coronae, supernova explosions and remnants, neutron stars, cataclysmic variable stars and X-ray binaries, active galactic nuclei, clusters of galaxies and gamma-ray bursts. Detection and analysis of X-rays and gamma rays. **Recommended literature:** 1. Melia, F., High-Energy Astrophysics, Princeton University Press, Princeton, 2009; 2. Lewin, W.H.G., van der Klis, M., Compact Stellar X-ray Sources, Cambridge University Press, Cambridge, 2006; 3. Longair, M. S., High Energy Astrophysics, Cambridge University Press, Cambridge, 2011; 4. Seward, F. D., Charles, P. A., Exploring the X-ray Universe, Cambridge University Press, Cambridge, 2010; Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 1 P N 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD.

Date of last modification: 26.09.2017

Approved:

University: P. J. Šaf	arik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚFV/ DKZU/04			
Course type, scope Course type: Recommended con Per week: Per stu Course method: p	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cour	se:	
Course level: III.			
Prerequisities:			
Conditions for cour	rse completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	rature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 303		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modific	eation:		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ MK/04			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
	ster/trimester of the cours	se:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 426		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	tion:		
Approved:			

	COURSE INFORMATION LETTER			
University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚFV/ USMA/15	Course name: Introduction	n to standard model		
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	re rse-load (hours): dy period: 28			
Number of ECTS cr	edits: 5			
Recommended seme	ster/trimester of the cours	e: 3.		
Course level: III.				
Prerequisities:				
Conditions for course completion: exam				
Learning outcomes: The aim of the course is to give to the students, oriented to the astrophysics, basic knowldges about unified theory of electro-weak interactions				
of weak interaction w 2.Genesis of modern starting from definition intermediate bosons a	gical point of view the lectural view beta-decay belongs. In electro-weak theory and on of V-A currents, choise of and Yang_Mils quantum field.	standard model is given by inductive method fappropriate calibration symmetry, corresponding lds and Higgs mechanism. 7- Weinberg-Salam standard model is proposed.		
Recommended literature: 1. J. Hořejší: Introduction to electroweak unification (World Scientific, Singapore 1994); czech version: Elektroslabé sjednocení a stromová unitarita (Karolinum, Praha 1993). 2. P. Renton: Electroweak interactions (Cambridge Univ. Press, Cambridge 1990). 3. Francis Halzen, Alan D. Martin: Quarks and Leptons, John Wiley&Sons in russian: F.Helzen, A.D.Martin: Kvarki i leptoni, Mir, Moskva, 1987. 4. Cheng T.P., Li L.F.: Gauge theory of elementary particle Physics, Claredon Press, Oxford, 1984.				
Course language: Slovak, English				
Notes:				
Course assessment	1 . 1 2			
Total number of assessed students: 0 N P				
N P				

0.0

0.0

Provides: prof. RNDr. Michal Hnatič, DrSc.	
Date of last modification: 03.05.2015	
Approved:	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ ZKC/04			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr	edits: 20		
Recommended seme	ster/trimester of the cour	se:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 496		
	abs n		
	100.0 0.0		
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ ZNC/04			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr	edits: 5		
Recommended seme	ster/trimester of the cou	rse:	
Course level: III.	,		
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 54		
	abs		
	100.0	0.0	
Provides:			
Date of last modifica			
Approved:			

University: P. J. Šafárik University in Košice				
Faculty: Faculty of S	Faculty: Faculty of Science			
Course ID: ÚFV/ DNC/04				
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: 5			
Recommended semester/trimester of the course:				
Course level: III.				
Prerequisities:				
Conditions for course completion:				
Learning outcomes:				
Brief outline of the course:				
Recommended literature:				
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 23			
abs				
	100.0	0.0		
Provides:				
Date of last modifica	ntion:			
Approved:				

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ DKC/04			
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: 15		
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	iture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 8		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚFV/ DK/04				
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent			
Number of ECTS cr	edits: 2			
Recommended seme	ster/trimester of the co	ourse:		
Course level: III.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	ture:			
Course language:	Course language:			
Notes:				
Course assessment Total number of asse	ssed students: 143			
	abs	n		
	100.0	0.0		
Provides:		•		
Date of last modifica	tion:			
Approved:				

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚFV/ NZ/04	Course name: 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: pro	rse-load (hours): ly period: esent		
Number of ECTS cr	redits: 2		
Recommended seme	ster/trimester of the cou	rse:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:	Course language:		
Notes:			
Course assessment Total number of asse	ssed students: 109		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ntion:		
Approved:			

University: P. J. Šafár	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚFV/ NMAS/15	Course name: Numerical r	nethods of astrophysics
Course type, scope a Course type: Lectur Recommended cour Per week: 4 Per stu Course method: pre	e rse-load (hours): dy period: 56	
Number of ECTS cro	edits: 8	
Recommended seme	ster/trimester of the course	e: 3.
Course level: III.		
Prerequisities:		
Conditions for cours	e completion:	
Learning outcomes: Acquaint students about	out advanced numerical met	hods for solving of problems in astrophysics.
		etermination of parameters. Simulation of mass mics.
2. Robert & Cassela:	ture: Numerical Recipes in C.: Ca 2005, Monte Carlo Statistica NumPy, SciPy, PyKE, publ	al Methods, Springer
Course language: Slovak, English		
Notes:		
Course assessment Total number of asses	ssed students: 4	
N P		
0.0 100.0		100.0
Provides: doc. Mgr. Štefan Parimucha, PhD.		
Date of last modifica	tion: 03.05.2015	
Annroved:		

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: KPE/ PgVU/17	Course name: Pedagogy for univer	rsity teachers
Course type, scope a Course type: Lectu Recommended cou Per week: Per stud Course method: pro	re rse-load (hours): ly period: 28s esent	
Number of ECTS cr		
	ester/trimester of the course:	
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes:		
Brief outline of the o	course:	
Recommended litera	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	ssed students: 33	
abs	n	neabs
100.0	0.0	0.0
Provides: doc. PaedI	Dr. Renáta Orosová, PhD.	
Date of last modifica	ntion: 08.06.2021	
Approved:		

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚFV/ FOTA/15	Course name: Photometry	
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pro	re rse-load (hours): dy period: 28	
Number of ECTS cr	edits: 5	
Recommended seme	ster/trimester of the cours	e: 1.
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
Learning outcomes: inform students about	t advanced methods of astro	nomical photometry
profile fitting. PSF p	, background determination	a. Aperture photometry, apertures optimization, on method. Measurements calibration, removing nternational system.
Press 2. Howell: 2000, Ha 3. Lena et al.: 1996, 0 4. Martinez a Klotz:	can: 2007, Introduction to Andbook of CCD Astronomy. Observational Astrophysics,	CD Astronomy, Cambridge University Press.
Course language: Slovak, English		
Notes:		
Course assessment Total number of asse	ssed students: 5	
	N	P
	0.0	100.0
Provides: doc. Mgr. Štefan Parimucha, PhD.		
Date of last modifica	ation: 03.05.2015	
Approved:		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚFV/ FTDV/15	Course name: Physics of	the close binaries	
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pre	re rse-load (hours): idy period: 28		
Number of ECTS cr	edits: 5		
Recommended seme	ster/trimester of the cour	se: 2.	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes: Obtaining knowledge evolution.	es about methods about	close binaries research and their structure and	
in close binaries: ma of observations: pho	of close binaries. Creation ass transfer, outflow, tidal	and evolution of close binaries. Physical processes pulsations, accretion disks, mass flows. Methods terferometry, polarimetry, Doppler thomography. e parameters of bodies.	
2. Kallrath, J., Milon 3. Richards, M.T., Hi	01, An introduction to Close, E.F.: 1999, Eclipsing Birabeny, I. (eds.):2012, "From	se binary Stars, Cambridge University Press nary Stars, Springer Verlag n Interacting Binaries to Exoplanets: Essential um 282, Cambridge University Press	
Course language: Slovak, English			
Notes:			
Course assessment Total number of asse	ssed students: 0		
	N	P	
	0.0	0.0	
Provides: Mgr. Theodor Pribulla, CSc.			
Date of last modifica	ntion: 03.05.2015		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ PLSD/15	Course name: Planetary sy	rstems	
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present			
Number of ECTS cro	edits: 5		
Recommended seme	ster/trimester of the cours	e: 2.	
Course level: III.			
Prerequisities:			
Conditions for cours exam	e completion:		
Learning outcomes: Obtaining knowledge	es about methods of exoplan	et searching and their physical properties.	
1 -	ts detection: transits, radial v	velocities, microlensing, direct imaging. Dynamic ts, evolution of protoplanetary discs. Atmosphere	
2. Perryman: 2011, T	nture: Insiting exoplanets, Cambride he exoplanet handbook, Caro, Exoplanets, The University	mbridge University Press	
Course language: Slovak, English			
Notes:			
Course assessment Total number of asses	ssed students: 2		
N P			
0.0 100.0		100.0	
Provides: Mgr. Martin Vaňko, PhD.			
Date of last modifica	tion: 03.05.2015		
Approved:			

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚFV/ PTMH/15	Course name: Populations	of the interplanetary bodies	
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present			
Number of ECTS cr	edits: 5		
Recommended seme	ster/trimester of the course	: 1.	
Course level: III.			
Prerequisities:			
Conditions for cours Exam	se completion:		
Learning outcomes: Obtaining detailed kn	nowledges about populations	of interplanetary matter.	
Brief outline of the course: Meteoroids flows, near-earth asteroids, new comets under Oort, Troians. Ice objects of Edgeworth-Kuiper belt: orbits physical properties, dynamical and physical evolution			
2. Hawkes, Mann, Br 3. Fernández, Lazzar University Press	nolicchi, Binzel,: 2002, Aster rown: 2005, Modern Meteor	y Bodies of the Solar System, Cambridge	
Course language: Slovak, English			
Notes:			
Course assessment Total number of assessed students: 0			
N P			
0.0			
Provides: doc. RNDr. Ján Svoreň, DrSc.			
Date of last modifica	ntion: 03.05.2015		
Approved:			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚFV/ VYS/04				
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: 2			
Recommended seme	ster/trimester of the cours	se:		
Course level: III.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:	Learning outcomes:			
Brief outline of the c	ourse:			
Recommended litera	iture:			
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 369			
	abs	n		
	100.0	0.0		
Provides:				
Date of last modifica	tion:			
Approved:				

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: Course name: Psychology for University Lecturers

KPPaPZ/PsVU/17

Course type, scope and the method:

Course type: Lecture

Recommended course-load (hours): Per week: Per study period: 28s

Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course:

Course level: III.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

University teacher and his work in the teaching process with a focus on:

teacher in relation to himself (cognitive, personality, social competencies and competencies in the use of methods), in relation to students and as part of the teacher-student relationship based on selected areas of cognitive psychology, psychology of emotions and motivation, developmental psychology, social psychology , educational psychology and health psychology with application to the university environment.

Recommended literature:

Alexitch, L. R. (2005). Applying social psychology to education. Social Psychology.–Ed.:

Schneider F., Gruman J., Coutts L.-Sage Publications, Inc, 205-228.

Fry, H., Ketteridge, S., & Marshall, S. (2008). A handbook for teaching and learning in higher education: Enhancing academic practice. Routledge.

Mareš, J.: Pedagogická psychologie. Portál, 2013.

Kniha psychologie. Universum, 2014

Čáp, J., Mareš, J.: Psychologie pro učitele. Praha: Portál 2007.

Vágnerová, M.: Školní poradenská psychológie pro pedagogy. Praha: Karolínum 2005.

Course language:

Notes:

Course assessment

Total number of assessed students: 37

abs	n	neabs
100.0	0.0	0.0

Provides: PhDr. Anna Janovská, PhD.

Date of last modification: 28.06.2021

Approved:

Notes:

Course assessment			
Total number of assessed students: 0			
N P			
0.0			
Provides: prof. RNDr. Michal Hnatič, DrSc.			
Date of last modification: 03.05.2015			
Approved:			

University: P. J. Šafárik University in Košice				
Faculty: Faculty of S	Faculty: Faculty of Science			
Course ID: ÚFV/ RZ/04				
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present				
Number of ECTS credits: 5				
Recommended semester/trimester of the course:				
Course level: III.				
Prerequisities:				
Conditions for course completion:				
Learning outcomes:				
Brief outline of the course:				
Recommended literature:				
Course language:				
Notes:				
Course assessment Total number of assessed students: 235				
abs n				
	100.0	0.0		
Provides:				
Date of last modifica	tion:			
Approved:				

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚFV/ SSOL/04			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent		
	Number of ECTS credits: 2		
Recommended seme	Recommended semester/trimester of the course:		
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 186			
	N	P	
	0.0	100.0	
Provides:			
Date of last modifica	tion:		
Approved:			

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ **Course name:** Seminar in Astrophysics SASTb/15 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present **Number of ECTS credits: 3** Recommended semester/trimester of the course: 2. Course level: III. **Prerequisities: Conditions for course completion: Learning outcomes:** Acquaint students with actual problems of astronomy and astrophysics and presentation of own results. **Brief outline of the course:** Scientific seminar about problems of astronomy and astrophysics, problems of dissertation thesis. **Recommended literature:** Current papers in astronomical and astrophysical journals. Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 5 N P 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD., doc. Mgr. Štefan Parimucha, PhD. Date of last modification: 26.09.2017 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: Seminar in astrophysics SASTa/15 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present **Number of ECTS credits: 3 Recommended semester/trimester of the course:** 1. Course level: III. **Prerequisities: Conditions for course completion: Learning outcomes:** Acquaint students with actual problems of astronomy and astrophysics and presentation of own results. **Brief outline of the course:** Scientific seminar about problems of astronomy and astrophysics, problems of dissertation thesis. **Recommended literature:** Current papers in astronomical and astrophysical journals. Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 5 N P 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD., doc. Mgr. Štefan Parimucha, PhD. Date of last modification: 26.09.2017

Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: Seminar in astrophysics SASTc/15 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present **Number of ECTS credits: 3** Recommended semester/trimester of the course: 3. Course level: III. **Prerequisities: Conditions for course completion: Learning outcomes:** Acquaint students with actual problems of astronomy and astrophysics and presentation of own results. **Brief outline of the course:** Scientific seminar about problems of astronomy and astrophysics, problems of dissertation thesis. **Recommended literature:** Current papers in astronomical and astrophysical journals. Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 5 N P 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD., doc. Mgr. Štefan Parimucha, PhD. Date of last modification: 26.09.2017 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: Seminar in astrophysics SASTd/15 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present **Number of ECTS credits: 3** Recommended semester/trimester of the course: 4. Course level: III. **Prerequisities: Conditions for course completion: Learning outcomes:** Acquaint students with actual problems of astronomy and astrophysics and presentation of own results. **Brief outline of the course:** Scientific seminar about problems of astronomy and astrophysics, problems of dissertation thesis. **Recommended literature:** Current papers in astronomical and astrophysical journals. Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 5 N P 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD., doc. Mgr. Štefan Parimucha, PhD. Date of last modification: 26.09.2017 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: Solar activity SLAA/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 5 Recommended semester/trimester of the course: 2. Course level: III. **Prerequisities: Conditions for course completion:** exam **Learning outcomes:** Knowledges about physical properties of plasma in solar interior and atmosphere, about physics of active regions on the Sun and understanding of solar activity cycle. **Brief outline of the course:** Solar interior - solar activity cycles, Tachocline, solar atmosphere - energy transfer and radiation, magnetic field of the Sun and active regions, solar spots, eruptions, coronal mass ejections, Solar dynamics, Helioseismology **Recommended literature:** 1. Aschwanden Markus, Physics of the Solar Corona: An Introduction with Problems and Solutions, Springer, 2006 2. Priest, E.R.: Solar Magnetohydrodynamics, Reidel, 1982. 3. Stix M.: The Sun, An Introduction, Springer, 2nd edition, 2002. 4. Sturrock, Holzer, Mihalas, Ulrich, Physics of the Sun I. II. III. Geophysics and Astrophysics Monorgaphs, Riedel Publ. Dodrecht 1968 5. Zirin, H., Astrophysics of the Sun, Cambridge Univ. Press, Cambridge, 1988 Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 0 P N 0.0 0.0 Provides: RNDr. Aleš Kučera, CSc.

Date of last modification: 03.05.2015

Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚFV/ Course name: Spectroscopy SPKD/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 5** Recommended semester/trimester of the course: 1. Course level: III. **Prerequisities: Conditions for course completion:** Seminar essay. Oral exam with preparation; 3 questions within the curriculum presented during the course. **Learning outcomes:** Become acquainted with the basics of acquisition, processing and analysis of stellar spectra. **Brief outline of the course:** Spectroscopic tools a detectors. The measurement and behaviour of stellar continua and spectral lines. **Recommended literature:** 1. Gray, D.F., The observation and analysis of stellar photospheres, Cambridge University Press, Cambridge, 1992; 2. Böhm-Vitense, E., Introduction to stellar astrophysics, Stellar atmospheres, Cambridge University Press, Cambridge, 1997; 3. Kipenhahn, R., Weigert, A., Stellar Structure and evolution, Springer-Verlag, Berlin, 1990; Course language: Slovak, English **Notes:** Course assessment Total number of assessed students: 5 P N 0.0 100.0 Provides: doc. RNDr. Rudolf Gális, PhD. Date of last modification: 26.09.2017

Approved:

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: Dek. PF UPJŠ/JSD/14	Course ID: Dek. PF Course name: Spring School for PhD Students UPJŠ/JSD/14			
Course type, scope a Course type: Lectur Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: 4d esent			
Number of ECTS credits: 2				
	Recommended semester/trimester of the course:			
Course level: III.				
Prerequisities:				
Conditions for course completion:				
Learning outcomes:				
Brief outline of the course:				
Recommended literature:				
Course language:				
Notes:				
Course assessment Total number of asses	ssed students: 154			
	abs	n		
	100.0	0.0		
Provides: doc. RNDr	. Marián Kireš, PhD.			
Date of last modifica	tion: 03.05.2015			
Approved:				

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚFV/ ZSP/04	Course name: Study Sta	y Abroad		
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period:			
Number of ECTS credits: 2				
Recommended semester/trimester of the course:				
Course level: III.	Course level: III.			
Prerequisities:				
Conditions for course completion:				
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	iture:			
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 259			
	abs	n		
	100.0	0.0)	
Provides:				
Date of last modifica	tion:			
Approved:				

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚFV/ VPSV/04	Course name: Supervision	of Student's Scientific Activity	
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS credits: 6			
Recommended semester/trimester of the course:			
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 16			
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ation:		
Approved:			

University: P. J. Šaf	čárik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚFV/ Course name: Supervisor/consultant of bacelor thesis VBP/04			
Course type, scope Course type: Recommended con Per week: Per stu Course method: p	urse-load (hours): Idy period: resent		
Number of ECTS c			
	nester/trimester of the cour	se:	
Course level: III.			
Prerequisities:			
Conditions for cour	rse completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	rature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 40		
	abs	n	
	100.0	0.0	
Provides:		•	
Date of last modific	cation:		
Approved:			

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚFV/ Course name: Teaching activities PPC/04				
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent			
Number of ECTS credits: 1				
Recommended semester/trimester of the course:				
Course level: III.				
Prerequisities:				
Conditions for course completion:				
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	iture:			
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 252			
	abs	n		
	100.0	0.0		
Provides:				
Date of last modifica	tion:			
Approved:				

University: P. J. Šafá	rik University in Košice				
Faculty: Faculty of Science					
Course ID: ÚFV/ PPC/04	Course name: Teaching a	ctivities			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent				
Number of ECTS credits: 1					
Recommended semester/trimester of the course:					
Course level: III.					
Prerequisities:	Prerequisities:				
Conditions for cours	se completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	iture:				
Course language:					
Notes:					
Course assessment Total number of assessed students: 252					
	abs	n			
	100.0	0.0			
Provides:					
Date of last modification:					
Approved:					

University: P. J. Šafá	University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science						
Course ID: ÚFV/ POVK/04	Course name: Work in Organizing Committee of Conference					
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present						
Number of ECTS credits: 2						
Recommended semester/trimester of the course:						
Course level: III.						
Prerequisities:	Prerequisities:					
Conditions for cours	e completion:					
Learning outcomes:						
Brief outline of the c	Brief outline of the course:					
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 95						
	abs	n				
	100.0	0.0				
Provides:						
Date of last modification:						
Approved:						

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚFV/ PDS/18	Course name: Writing Dissertation Work			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent			
Number of ECTS credits: 0				
Recommended semester/trimester of the course:				
Course level: III.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	ture:			
Course language:				
Notes:				
Course assessment Total number of assessed students: 22				
	N	P		
	0.0	100.0		
Provides:				
Date of last modification:				
Approved:				