



UNIVERSITY OF SPLIT

SCHOOL OF MEDICINE

**DETAILED PROPOSAL OF THE STUDY
PROGRAMME**

SLEEP MEDICINE

SPLIT, 2015.

GENERAL INFORMATION OF HIGHER EDUCATION INSTITUTION

Name of higher education institution	University of Split, School of Medicine
Address	Šoltanska 2, 21000 Split
Phone	021/557 903
Fax	021/557 895
E.mail	office@mefst.hr
Internet address	www.mefst.hr

GENERAL INFORMATION OF THE STUDY PROGRAMME

Name of the study programme	Sleep medicine		
Provider of the study programme	Prof. dr. sc. Zoran Đogaš		
Other participants			
Type of study programme	Vocational study programme <input type="checkbox"/>		University study programme x
Level of study programme	Undergraduate <input type="checkbox"/>	Graduate <input type="checkbox"/>	Integrated <input type="checkbox"/>
	Postgraduate <input type="checkbox"/>	Postgraduate specialist x	Graduate specialist <input type="checkbox"/>
Academic/vocational title earned at completion of study	Somnologist – Sleep Medicine Expert		

1. INTRODUCTION

1.1. Reasons for starting the study programme

Despite the great demands, currently there is an insufficient number of trained professionals in sleep medicine – somnologists in Croatia. The reasons to start the postgraduate study programme Sleep Medicine is to assure a sufficient number of somnologists - experts in sleep medicine in Croatia. This kind of education is also the fastest way to solve the shortage of trained professionals in sleep medicine in Croatia.

Study Sleep Medicine is part of the developing European standards and is based on European guidelines of the ESRS society. Those guidelines are the product of consensus of top European sleep medicine experts and are approved by all European National Societies of Sleep Medicine (*Fischer J, Dogas Z, Bassetti CL, Berg S, Grote L, Jennum P, Levy P, Mihaicuta S, Nobili L, Riemann D, Puertas Cuesta FJ, Raschke F, Skene DJ, Stanley N, Pevernagie D; Executive Committee (EC) of the Assembly of the National Sleep Societies (ANSS); Board of the European Sleep Research Society (ESRS), Regensburg, Germany. Standard procedures for adults in accredited sleep medicine centres in Europe. J Sleep Res. 2012 Aug;21(4):357-68*). European guidelines that were the basis for the creation of Sleep Medicine study also have a strong scientific background in systematic reviews and evidence-based medicine, which provides a strong correlation of the study with modern scientific knowledge.

Organization of the study provides students' mobility, the ECTS grading system, the organization of the theoretical part through teaching modules and the practical part of the education in the modern sleep medicine centers, as well as support through e-learning system, ensuring that organization of the study is in accordance to the modern scientific knowledge.

1.2. Relationship with the local community (economy, entrepreneurship, civil society, etc.)

Starting postgraduate specialist study Sleep Medicine would have a great positive impact on the local community - City of Split, Split-Dalmatian County, and would ensure a leading position in the field of sleep medicine in the Republic of Croatia. Sleep Medicine is also of a great importance for the Ministry of Internal Affairs to ensure traffic safety, especially regarding to the new EC Directive on Driving License with obligatory implementation by the end of 2015 in all member countries, as well as for the civil society to increase operating efficiency and reduce the possibility of occupational workplace accidents.

1.3. Compatibility with requirements of professional organizations

Content of the postgraduate specialist Sleep Medicine study programme is a part of the developing European standards and is based on the European guidelines provided by the European Sleep Research Society (ESRS). Those guidelines are the product of consensus of top European sleep medicine experts and are approved by all European National Societies of Sleep Medicine (Assembly of National Sleep Societies, ANSS). The Croatian Society for Sleep Medicine of the Croatian Medical Association adopted the EU Guidelines given by the European Society ESRS (Pevernagie D; Steering Committee of European Sleep Research Society. *European guidelines for the accreditation of Sleep Medicine Centres*. *J Sleep Res*. 2006 Jun;15(2):231-; Fischer J, Dogas Z, Bassetti CL, Berg S, Grote L, Jennum P, Levy P, Mihaicuta S, Nobili L, Riemann D, Puertas Cuesta FJ, Raschke F, Skene DJ, Stanley N, Pevernagie D; Executive Committee (EC) of the Assembly of the National Sleep Societies (ANSS); Board of the European Sleep Research Society (ESRS), Regensburg, Germany. *Standard procedures for adults in accredited sleep medicine centres in Europe*. *J Sleep Res*. 2012 Aug;21(4):357-68; Penzel T, Pevernagie D, Dogas Z, Grote L, de Lacy S, Rodenbeck A, Bassetti C, Berg S, Cirignotta F, d'Ortho MP, Garcia-Borreguero D, Levy P, Nobili L, Paiva T, Peigneux P, Pollmächer T, Riemann D, Skene DJ, Zucconi M, Espie C; Sleep MedicineCommittee; European Sleep Research Society. *Catalogue of knowledge and skills for sleep medicine*. *J Sleep Res*. 2014 Apr;23(2):222-38).

The programme of postgraduate specialist study Sleep Medicine is based on the Catalogue of knowledge and skills given by the educational committee EduComm of the European society ESRS (Penzel T, Pevernagie D, Dogas Z, Grote L, de Lacy S, Rodenbeck A, Bassetti C, Berg S, Cirignotta F, d'Ortho MP, Garcia-Borreguero D, Levy P, Nobili L, Paiva T, Peigneux P, Pollmächer T, Riemann D, Skene DJ, Zucconi M, Espie C; Sleep MedicineCommittee; European Sleep Research Society. *Catalogue of knowledge and skills for sleep medicine*. *J Sleep Res*. 2014 Apr;23(2):222-38).

1.4. Name possible partners outside the higher education system that expressed interest in the study programme

Possible partners outside the higher education system, that expressed interest in the postgraduate specialist study Sleep Medicine, are: the Croatian Medical Association and the Croatian Society for Sleep Medicine of the Croatian Medical Association, Ministry of Health, Ministry of Internal Affairs (MUP), Ministry of Regional Development and European Union Funds, Croatian Health Insurance Fund (HZZO), insurance companies, transportation companies, etc.

1.5. Financing

Tuition (students' participation, employers, hospitals), donations, local community, industry, HZZO, etc.

1.6. Comparability of the study programme with other accredited programmes in higher education institutions in the Republic of Croatia and EU countries

Name two programmes, at most, of which one is from an EU country, and compare it with the proposed programme (provide internet addresses of the programmes)

The postgraduate specialist study programme Sleep Medicine is in a full accordance with the developing European standards and is based on the European guidelines of the ESRS society. This is the first programme of its type. There are pilot study programmes at several universities in Italy, and one in Romania but at the lower level. The guidelines this programme is based on are the product of consensus of top European sleep medicine experts and are approved by all European National Societies of Sleep Medicine (<http://www.esrs.eu/education-career.html>).

The postgraduate specialist study programme Sleep Medicine is based on the Catalogue of knowledge and skills written by the Sleep Medicine Committee and Educational Committee (EduComm) of the European society ESRS which was led by Prof. Đogaš (*Penzel T, Pevernagie D, Dogas Z, Grote L, de Lacy S, Rodenbeck A, Bassetti C, Berg S, Cirignotta F, d'Ortho MP, Garcia-Borreguero D, Levy P, Nobili L, Paiva T, Peigneux P, Pollmächer T, Riemann D, Skene DJ, Zucconi M, Espie C; Sleep Medicine Committee; European Sleep Research Society. Catalogue of knowledge and skills for sleep medicine. J Sleep Res. 2014 Apr;23(2):222-38*). Also, the core teaching material is a newly published (Wiley and ESRS) European Sleep Medicine Textbook edited by Bassetti, Đogaš and Peigneux with the contribution of around 100 top European experts in sleep medicine.

1.7. Openness of the study programme to student mobility (horizontal, vertical in the Republic of Croatia, and international)

There is a modular teaching system based on ECTS credits and the programme will be fully open for horizontal and vertical mobility in Croatia and Europe. There are immediate plans to make the agreements with several universities in Italy and Slovenia. There is also an actual initiative of the Masters joint degree programme proposal named Sleep, which will be proposed by the University of Surrey (UK), University of Helsinki (Finland) and the University of Split (Croatia).

Following the first generation of Croatian students, the enrollment will be open for Central-East European countries, which already expressed their willingness to participate.

1.8. Compatibility of the study programme with the University mission and the strategy of the proposer, as well as with the strategy statement of the network of higher education institutions

This programme is well suited within the University of Split, School of Medicine strategy. Starting the postgraduate specialist study programme Sleep Medicine would ensure the University of Split's leading position in the field of sleep medicine in the Republic of Croatia and in Europe. Even further, this study would make the University of Split a regional educational center in the field of sleep medicine.

1.9. Current experiences in equivalent or similar study programmes

Sleep Alpine Summer School (prof. Đogaš was a board member), ESRS EduComm supported sleep medicine courses, existing doctoral study programme Evidence Based Medicine, and postgraduate specialist study programme Clinical Epidemiology at MEFST.

2. DESCRIPTION OF THE STUDY PROGRAMME

2.1. General information

Scientific/artistic area of the study programme	Biomedicine and Health
Duration of the study programme	1 year (FTE)
The minimum number of ECTS required for completion of study	60
Enrolment requirements and admission procedure	MD degree, previous work in the sleep medicine center or in the sleep laboratory Enrollment committee evaluates all applications

2.2. Learning outcomes of the study programme (name 15-30 learning outcomes)

- 1) Describe, identify and explain neurophysiology and neurobiology of sleep.
- 2) Analyze and incorporate control mechanisms responsible for the regulation of sleep and wakefulness.
- 3) Specify and describe the changes that occur in different systems (cardiovascular, respiratory, gastrointestinal and endocrine system) during sleep.
- 4) Recount, discuss, anticipate and evaluate the outcomes of acute and chronic sleep deprivation.
- 5) Identify, describe and explain conditions belonging to different categories of sleep disorders such as insomnia, sleep-related breathing disorders, central disorders of hypersomnolence, circadian rhythm sleep-wake disorders, parasomnias, sleep-related movement disorders, and other sleep disorders.
- 6) Describe, explain and apply key elements of clinical interview and clinical examination.
- 7) Name, explain, apply and critically judge diagnostic procedures such as questionnaires, polysomnography, multiple sleep latency test, maintenance of wakefulness test, reaction time tests, and actigraphy in assessment of sleep disorders.
- 8) Identify and name other tests and examinations such as cognitive and psychometric evaluation, vigilance tests, pulmonary function tests, cardiac function tests.
- 9) Describe, identify and analyze types of sleep-related breathing disorders.
- 10) Analyze, relate and discuss the pathophysiological mechanisms of sleep-related breathing disorders and its relationship with the clinical symptoms and possible comorbidities.
- 11) Name, discuss and evaluate the diagnostic and therapeutic procedures used in the diagnosis and treatment of sleep-related breathing disorders.
- 12) Describe, identify and analyze types of insomnia and circadian rhythm sleep disorders.

- 13) Analyze, relate and discuss the pathophysiological mechanisms of insomnia and circadian rhythm sleep disorders and its relationship with the clinical symptoms and possible comorbidities.
- 14) Name, discuss and evaluate the diagnostic and therapeutic procedures used in the diagnosis and treatment of insomnia and circadian rhythm sleep-wake disorders.
- 15) Describe and explain the most important characteristics of primary and secondary hypersomnia, and associate it with the excessive daytime sleepiness.
- 16) Describe and discuss neural mechanisms involved in pathophysiology of parasomnias.
- 17) Name, discuss and recognize the clinical importance of sleep-related movement disorders such as restless legs syndrome (RLS) and periodic limb movement (PLM).
- 18) Critically judge educational materials, participate in argumentative discussion and construct opinions.
- 19) Apply the knowledge and demonstrate the skills in applying human bioelectrical recordings (EEG, EMG, EOG) and its interpretation.
- 20) Use acquired theoretical knowledge in recognizing sleep-related movement disorders in polysomnographic recordings.
- 21) Use acquired theoretical knowledge in recognizing sleep-related breathing disorders in polygraphic and polysomnographic recordings.

2.3. Employment possibilities

Diploma (certification of somnologist) issued following successful completion of this programme will be an obligatory requirement for the employment in all Croatian sleep medicine centers, subspecialized sleep laboratories (within hospitals or any other accredited institution by the Croatian Somnological Society of the Croatian Medical Association, Croatian Ministry of Health, as well as European Sleep Research Society, ESRS).

2.4. Possibilities of continuing studies at a higher level

Doctoral programme at the University of Split, School of medicine (or elsewhere).

2.5. Name lower level studies of the proposer or other institutions that qualify for admission to the proposed study

University of Split, School of Medicine (Medicine, Dental Medicine) or similar studies recognized in RH; or in the countries from which the diplomas of similar studies is recognized in RH.

2.6. Structure of the study

Postgraduate study Sleep Medicine is organized in 5 modules (instead of semesters / trimesters) and 10 courses in accordance to 10 sections of the Catalogue of Knowledge and Skills. All students together (group of 15 students) listen to the lectures and seminars, and for the practical work, students are divided into three groups (each containing five students).

2.7. Guiding and tutoring through the study system

Students are tutored by their appointed mentors. Each student will have his/her own mentor, certified somnologist. There is also a possibility of occasional consultations with the provider of the study. Support for the students through the study is provided via an e-learning interface (Moodle platform InterMeCo owned by all Croatian schools of medicine, administered by Prof. Đogaš), which is in accordance with modern up-to-date teaching methodologies.

2.8. List of courses that the student can take in other study programmes

Obstructive Sleep Apnea, elective course, EBM doctoral study programme, MEFST
Principles of Scientific Research in Medicine (Uvod u znanstveni rad u medicini), EBM doctoral study programme, MEFST
Writing a Scientific Paper (Izrada znanstvenog rada), EBM doctoral study programme, MEFST
Selected courses of the future Dual Degree study programme Sleep w/ the University of Surrey and the University of Helsinki.

2.9. List of courses offered in a foreign language as well (name which language)

Complete study will be organized in English language because of international teachers, students and teachers mobility and international recognition of the study programme and diplomas (certifications).

Lab practicals and selected seminars may be thought in Croatian language in cases where both students and teachers are native speakers, but all examinations will be in English.

2.10. Criteria and conditions for transferring the ECTS credits

Equivalence of study programmes and adequacy of implemented Catalogue of Knowledge and Skills.

The administration will be processed via commissioner for ECTS at MEFST.

2.11. Completion of study

<i>Final requirement for completion of study</i>	Final thesis <input checked="" type="checkbox"/> x Diploma thesis <input type="checkbox"/>	Final exam <input checked="" type="checkbox"/> x Diploma exam <input type="checkbox"/>
<i>Requirements for final/diploma thesis or final/diploma/exam</i>	Passed all exams Completed practical work in the sleep laboratory	

Procedure of evaluation of final/diploma exam and evaluation and defence of final/diploma thesis

2.12. List of mandatory and elective courses

List of courses							
Year of study: 1							
Semester: 1&2							
STATUS	CODE	COURSE	HOURS IN SEMESTER				ECTS
			L	S	E	F	
Mandatory	PSSPSM1	Physiological basis of sleep	16	9		-	3
	PSSPSM2	Assessment of sleep disorders and diagnostic procedures	8	4	13	300	3.5+10
	PSSPSM3	Sleep-related breathing disorders	10	4	11	400	2+13
	PSSPSM4	Insomnia Circadian rhythm sleep disorders	10	4	11	400	2+10 1+3
	PSSPSM5	Hypersomnias of central origin Parasomnias Sleep-related movement disorders	6	6	13	100 100 100	1+3 0.5+3 1+3
	PSSPSM6	Miscellaneous sleep-related conditions and disorders Societal, economic, organizational and research aspects of sleep medicine	4	4	2	90	1
	Total		54	31	50	1490	
			135				(15+45) 60
Elective		Obstructive Sleep Apnea	4	6			1
		Narcolepsy	4	6			1
		Neural Control of Breathing in Sleep and Anesthesia	4	6			1
		Treatment Options for SDB	4	6			1
		Sleep Disorders and Driving Safety	4	6			1
		Principles of Scientific Research in Medicine	2	6	2		1
		Writing a Scientific Paper	2	6	2		1
Indicate how many elective courses are chosen							

2.13. Course description

NAME OF THE COURSE		Physiological basis of sleep				
Code	PSSPSM1	Year of study	1			
Course teacher	Prof. Zoran Đogaš	Credits (ECTS)	3			
Associate teachers	Prof. Tarja Porkka Heiskanen Prof. Roberto Amici Prof. Mladen Boban Prof. Željko Đujić Assoc. Prof. Darko Modun Prof. Janoš Terzić Assist. Prof. Nenad Karanović Assist. Prof. Mladen Carev Prof. Dragan Ljutić Assoc. Prof. Tina Tičinović-Kurir Assist. Prof. Rozi Andretić Waldowski Prof. Zoran Valić	Type of instruction (number of hours)	L	S	E	F
			16	9		
Status of the course	Mandatory	Percentage of application of e-learning	50%			
COURSE DESCRIPTION						
Course objectives	The objective of the course is to teach a student about physiological mechanisms responsible for the regulation of waking, non-rapid eye movement (named also slow-wave sleep) and rapid eye movement sleep (named also paradoxical sleep).					
Course enrolment requirements and entry competences required for the course	MD degree, previous work in sleep medicine center or sleep lab					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Describe, identify and explain neurophysiology and neurobiology of sleep. Analyze and incorporate control mechanisms responsible for regulation of sleep and wakefulness. Specify and describe changes that occur in different systems (cardiovascular, respiratory, gastrointestinal and endocrine system) during sleep. Recount, discuss, anticipate and evaluate the outcomes of acute and chronic sleep deprivation. Critically judge educational materials, participate in argumentative discussion and construct opinions.					
Course content broken down in detail by weekly class schedule (syllabus)	LECTURES (16 hours)		Number of hours:			
	1. The neurophysiology and neurobiology of sleep				2	
	2. Regulation of sleep and wakefulness				2	
	3. Adaptation of bodily functions to sleep				2	
	4. Theories on the functions of sleep				2	
	5. Effects of acute and chronic sleep deprivation				2	

	6. Sleep and dreaming	2																														
	7. Ageing and sleep: sleep in all stages of human development	2																														
	8. Gender differences in sleep	2																														
	SEMINARS (9 hours)	Number of hours:																														
	1. REM sleep	3																														
	2. Non-REM sleep	3																														
	3. Neurotransmitters involved in regulation of sleep and wakefulness	3																														
Format of instruction	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input checked="" type="checkbox"/> partial e-learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia <input checked="" type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other)																														
Student responsibilities																																
Screening student work (<i>name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course</i>)	<table border="1"> <tr> <td>Class attendance</td><td>0.5</td><td>Research</td><td></td><td>Practical training</td><td></td></tr> <tr> <td>Experimental work</td><td></td><td>Report</td><td></td><td>(Other)</td><td></td></tr> <tr> <td>Essay</td><td></td><td>Seminar essay</td><td>0.5</td><td>(Other)</td><td></td></tr> <tr> <td>Tests</td><td></td><td>Oral exam</td><td></td><td>(Other)</td><td></td></tr> <tr> <td>Written exam</td><td>2</td><td>Project</td><td></td><td>(Other)</td><td></td></tr> </table>	Class attendance	0.5	Research		Practical training		Experimental work		Report		(Other)		Essay		Seminar essay	0.5	(Other)		Tests		Oral exam		(Other)		Written exam	2	Project		(Other)		
Class attendance	0.5	Research		Practical training																												
Experimental work		Report		(Other)																												
Essay		Seminar essay	0.5	(Other)																												
Tests		Oral exam		(Other)																												
Written exam	2	Project		(Other)																												
Grading and evaluating student work in class and at the final exam	Y																															
Required literature (available in the library and via other media)	<table border="1"> <thead> <tr> <th>Title</th><th>Number of copies in the library</th><th>Availability via other media</th></tr> </thead> <tbody> <tr> <td>Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.</td><td>3</td><td></td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Title	Number of copies in the library	Availability via other media	Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.	3																										
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Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.	3																															
Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none"> Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine. Elsevier Saunders fifth edition. Relevant recently published scientific publications 																															
Quality assurance methods that ensure the acquisition of exit competences	<ul style="list-style-type: none"> Teaching quality analysis by students and teachers Exam passing rate analysis Committee for control of teaching reports External evaluation 																															
Other (as the proposer wishes to add)																																

NAME OF THE COURSE		Assessment of sleep disorders and diagnostic procedures				
Code	PSSPSM2	Year of study	1			
Course teacher	Prof. Zoran Đogaš	Credits (ECTS)	3.5+10			
Associate teachers	Assoc. Prof. Zoltan Szakacs	Type of instruction (number of hours)	L	S	E	F
	Assoc. Prof. Leja Dolenc Grošelj Oana Deleanu, MD, PhD		8	4	13	300
Status of the course	Mandatory	Percentage of application of e-learning	20%			
COURSE DESCRIPTION						
Course objectives	To teach a student about classification of sleep disorders and to perform and evaluate objective and subjective diagnostic procedures.					
Course enrolment requirements and entry competences required for the course	MD degree, previous work in sleep medicine center/sleep lab					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<p>Identify, describe and explain conditions belonging to different categories of sleep disorders such as insomnia, sleep-related breathing disorders, central disorders of hypersomnolence, circadian rhythm sleep-wake disorders, parasomnias, sleep-related movement disorders, and other sleep disorders.</p> <p>Describe, explain and apply the key elements of clinical interview and clinical examination.</p> <p>Name, explain, apply and critically judge diagnostic procedures such as questionnaires, polysomnography, multiple sleep latency test, maintenance of wakefulness test, reaction time tests, and actigraphy in assessment of sleep disorders.</p> <p>Identify and name other tests and examinations such as cognitive and psychometric evaluation, vigilance tests, pulmonary function tests, cardiac function tests.</p> <p>Apply the knowledge and demonstrate the skills in human bioelectrical recordings (EEG, EMG, EOG) and interpretation.</p>					
Course content broken down in detail by weekly class schedule (syllabus)	LECTURES (8 hours):		Number of hours:			
	1. Classification of sleep disorders		2			
	2. The clinical interview and clinical examination		2			
	3. Measuring and monitoring sleep and wakefulness		2			
	4. Other tests and examinations		2			
	SEMINARS (4 hours)		Number of hours:			
	1. Case report (sleep related movement disorder)		2			
	2. Case report (circadian rhythm sleep-wake disorder)		2			
	EXERCISES (13 hours):		Number of hours:			
	1. Clinical interview in Sleep Lab		2			
2. Measuring and monitoring in Sleep Lab		4				
3. Related tests and examinations		2				
4. Interpretation of polygraphic and polysomnographic recordings		5				
Format of instruction	x lectures		x independent assignments			
	x seminars and workshops		x multimedia			
Format of instruction	x exercises		x laboratory			
	<input type="checkbox"/> on line in entirety		x work with mentor			
	x partial e-learning					

	<input type="checkbox"/> field work		<input type="checkbox"/> (other)			
Student responsibilities						
Screening student work <i>(name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)</i>	Class attendance	0.5	Research		Practical training	10
	Experimental work		Report	0.5	(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam	0.5	(Other)	
	Written exam	2	Project		(Other)	
Grading and evaluating student work in class and at the final exam	Y					
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media
	Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.				3	
Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none"> Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine. Elsevier Saunders fifth edition. Relevant recently published scientific publications 					
Quality assurance methods that ensure the acquisition of exit competences	<ul style="list-style-type: none"> Teaching quality analysis by students and teachers Exam passing rate analysis Committee for control of teaching reports External evaluation 					
Other (as the proposer wishes to add)						

NAME OF THE COURSE		Sleep-related breathing disorders					
Code	PSSPSM3	Year of study	1				
Course teacher	Prof. Zoran Đogaš	Credits (ECTS)	2+13				
Associate teachers	Prof. Dirk Pevernagie Assoc. Prof. Ludger Grote Assoc. Prof. Željka Roje Prof. Goran Račić Prof. Davorin Đanić	Type of instruction (number of hours)	L	S	E	F	
			10	4	11	400	

	Prof. Søren Berg Assist. Prof. Stefan Mihaicuta Prof. Florin Mihaltan					
Status of the course	Mandatory	Percentage of application of e-learning	20%			
COURSE DESCRIPTION						
Course objectives	The objective of this course is to teach a student about types of sleep-related breathing disorders, pathophysiology, clinical presentation, diagnostic procedures and about treatment options for sleep-related breathing disorders.					
Course enrolment requirements and entry competences required for the course	MD degree, previous work in sleep medicine center/sleep lab					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Describe, identify and analyze types of sleep-related breathing disorders. Analyze, relate and discuss the pathophysiological mechanisms of sleep-related breathing disorders and its relationship with the clinical symptoms and possible comorbidities. Name, discuss and evaluate the diagnostic and therapeutic procedures used in the diagnosis and treatment of sleep-related breathing disorders. Critically judge educational materials, participate in argumentative discussion and construct opinions. Apply adopted knowledge in solving clinical cases.					
Course content broken down in detail by weekly class schedule (syllabus)	LECTURES (10 hours)		Number of hours:			
	1. Nosological classification, definitions, and epidemiology of sleep-related breathing disorders		2			
	2. Pathophysiology of sleep-related breathing disorders		2			
	3. Clinical picture and diagnostic procedures for sleep-related breathing disorders		2			
	4. Comorbidities in sleep-related breathing disorders		2			
	5. Treatment of sleep-related breathing disorders		2			
	SEMINARS (4 hours)		Number of hours:			
	1. Diagnostic value of polygraphy and polysomnography		4			
	EXERCISES (11 hours)		Number of hours:			
	1. Polysomnographic case records		4			
Format of instruction	x lectures x seminars and workshops x exercises <input type="checkbox"/> on line in entirety x partial e-learning <input type="checkbox"/> field work		x independent assignments x multimedia x laboratory x work with mentor <input type="checkbox"/> (other)			
	Student responsibilities					
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is	Class attendance	0.5	Research		Practical training	13
	Experimental work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam	0.5	(Other)	

<i>equal to the ECTS value of the course)</i>	Written exam	1	Project		(Other)	
Grading and evaluating student work in class and at the final exam	Y					
Required literature (available in the library and via other media)	Title			Number of copies in the library	Availability via other media	
	Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.			3		
Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none">Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine. Elsevier Saunders fifth edition.Relevant recently published scientific publications					
Quality assurance methods that ensure the acquisition of exit competences	<ul style="list-style-type: none">Teaching quality analysis by students and teachersExam passing rate analysisCommittee for control of teaching reportsExternal evaluation					
Other (as the proposer wishes to add)						


NAME OF THE COURSE		Insomnia. Circadian rhythm sleep disorders.					
Code	PSSPSM4	Year of study	1				
Course teacher	Prof. Zoran Đogaš	Credits (ECTS)	3+13 (2+10; 1+3)				
Associate teachers	Prof. Debra Skene Prof. Malcolm von Schantz Prof. Mladen Boban Prof. Goran Dodig Assist. Prof. Trpimir Glavina Assist. Prof. Rozi Andrečić Waldowski	Type of instruction (number of hours)	L	S	E	F	
			10	4	11	400	
Status of the course	Mandatory	Percentage of application of e-learning	20%				
COURSE DESCRIPTION							
Course objectives	The objective of this course is to teach student about types, pathophysiology, clinical presentation, diagnostic procedures and treatment options for insomnia and circadian rhythm sleep disorders.						
Course enrolment requirements and entry competences	MD degree, previous work in sleep medicine center/sleep lab						

required for the course						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Describe, identify and analyze types of insomnia and circadian rhythm sleep disorders. Analyze, relate and discuss the pathophysiological mechanisms of insomnia and circadian rhythm sleep disorders and its relationship with clinical symptoms and possible comorbidities. Name, discuss and evaluate the diagnostic and therapeutic procedures used in the diagnosis and treatment of insomnia. Critically judge educational materials, participate in argumentative discussion and construct opinions. Apply adopted knowledge in solving clinical cases.					
Course content broken down in detail by weekly class schedule (syllabus)	LECTURES (10 hours)				Number of hours:	
	1. Nosological classification, definitions and epidemiology of insomnia.				2	
	2. Pathophysiology, clinical picture and diagnosis of insomnia.				2	
	3. Comorbidities related with insomnia.				2	
	4. Insomnia treatment.				2	
5. Nosological classification, definitions and epidemiology of circadian rhythm sleep disorders.				2		
SEMINARS (4 hours)				Number of hours:		
1.Pathophysiology, clinical picture and comorbidities of circadian rhythm sleep disorders.				2		
2.Treatment of circadian rhythm sleep disorders.				2		
EXERCISE (11 hours)				Number of hours		
1. CBT (Cognitive behavioural therapy)				4		
2. Diagnostic approaches to insomniac patients				4		
3. Case records				3		
Format of instruction	x lectures x seminars and workshops x exercises <input type="checkbox"/> on line in entirety x partial e-learning <input type="checkbox"/> field work			x independent assignments x multimedia x laboratory x work with mentor <input type="checkbox"/> (other)		
Student responsibilities						
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance	0.5	Research		Practical training	13
	Experimental work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam	0.5	(Other)	
	Written exam	2	Project		(Other)	
Grading and evaluating student work in class and at the final exam	Y					
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media
	Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.				3	

Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none"> Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine. Elsevier Saunders fifth edition. Relevant recently published scientific publication 		
Quality assurance methods that ensure the acquisition of exit competences	<ul style="list-style-type: none"> Teaching quality analysis by students and teachers Exam passing rate analysis Committee for control of teaching reports External evaluation 		
Other (as the proposer wishes to add)			

NAME OF THE COURSE		Hypersomnias of central origin. Parasomnias. Sleep-related movement disorders.				
Code	PSSPSM5	Year of study	1			
Course teacher	Prof. Zoran Đogaš	Credits (ECTS)	2.5+9 (1+3, 0.5+3, 1+3)			
Associate teachers	Prof. Claudio Bassetti Danilo Hodoba, MD, PhD Pavao Krmpotić, MD, PhD Assoc. Prof. Leja Dolenc Grošelj Assoc. Prof. Zoltan Szakacs Prof. Ivo Lušić Prof. Marina Titlić	Type of instruction (number of hours)	L	S	E	F
			6	6	13	300
Status of the course	Mandatory	Percentage of application of e-learning	20%			
COURSE DESCRIPTION						
Course objectives	The aim of the subject is to explain basic characteristics of specific sleep-related disorders such as hypersomnia, parasomnia and sleep-related movement disorders.					
Course enrolment requirements and entry competences required for the course	MD degree, previous work in sleep medicine center/sleep lab					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Describe and explain the most important characteristics of primary and secondary hypersomina, and associate with excessive daytime sleepiness. Describe and discuss neural mechanisms involved in pathophysiology of parasomnias. Name, discuss and recognize clinical importance of sleep-related movement disorders such as restless legs syndrome (RLS) and periodic limb movement (PLM).					

	<p>Critically judge educational materials, participate in argumentative discussion and construct opinions.</p> <p>Use acquired theoretical knowledge in recognizing sleep-related movement disorders in polysomnographic recordings.</p>					
Course content broken down in detail by weekly class schedule (syllabus)	LECTURES (6 hours)					Number of hours:
	1. Hypersomnia – Nosological classification, definitions, epidemiology					2
	2. Parasomnia - Nosological classification, definitions, epidemiology					2
	3. Sleep-related movement disorders- Nosological classification, definitions, epidemiology					2
	SEMINARS (6 hours)					Number of hours:
	1. Hypersomnia – Narcolepsy					2
	- Treatment: (Pharmacological treatment, Behavioural managements)					
	2. Parasomnia					2
	- Treatment: (Pharmacological treatment, Behavioural managements)					
	3. Sleep-related movement disorders					2
	- Treatment: (Pharmacological treatment, Conservative managements)					
	EXERCISES (13 hours)					Number of hours:
Format of instruction	1. PSG and actigraphy examples					5
	2. Case records, especially regarding diagnosis and treatment					4
	3. Video recordings					4
Student responsibilities	x lectures x seminars and workshops x exercises <input type="checkbox"/> <i>on line</i> in entirety x partial e-learning <input type="checkbox"/> field work					x independent assignments x multimedia x laboratory x work with mentor <input type="checkbox"/> (other)
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance	0.5	Research		Practical training	9
	Experimental work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam		(Other)	
	Written exam	2	Project		(Other)	
Grading and evaluating student work in class and at the final exam	Y					
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media
	Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.				10	

Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none">Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine. Elsevier Sunders fifth edition.Relevant recently published scientific publications										
Quality assurance methods that ensure the acquisition of exit competences	<ul style="list-style-type: none">Teaching quality analysis by students and teachersExam passing rate analysisCommittee for control of teaching reportsExternal evaluation										
Other (as the proposer wishes to add)											
NAME OF THE COURSE	Miscellaneous sleep-related conditions and disorders Societal, economic, organizational and research aspects of sleep medicine 										
Code	PSSPSM5	Year of study	1								
Course teacher	Prof. Zoran Đogaš	Credits (ECTS)	1								
Associate teachers	Prof. Dirk Pevernagie Danilo Hodoba, MD, PhD Pavao Krmpotić, MD, PhD	Type of instruction (number of hours)	<table><tr><td>L</td><td>S</td><td>E</td><td>F</td></tr><tr><td>4</td><td>4</td><td>2</td><td>90</td></tr></table>	L	S	E	F	4	4	2	90
		L	S	E	F						
4	4	2	90								
Status of the course	Mandatory	Percentage of application of e-learning	50%								
COURSE DESCRIPTION											
Course objectives	The aim of the subject is to explain basic characteristics of specific sleep-related disorders such as hypersomnia, parasomnia and sleep-related movement disorders.										
Course enrolment requirements and entry competences required for the course	MD degree, previous work in sleep medicine center/sleep lab										
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Name, discuss and recognize clinical importance of miscellaneous sleep-related conditions and disorders not included in the sleep disorders covered with other modules. Critically judge educational materials, participate in argumentative discussion and construct opinions. Use acquired theoretical knowledge in recognizing miscellaneous sleep-related conditions and disorders not included in the sleep disorders covered with other modules in polysomnographic recordings.										
Course content broken down in detail by weekly class schedule (syllabus)	LECTURES (4 hours)		Number of hours:								
	1. Hypersomnia – Nosological classification, definitions, epidemiology		1								
	2. Parasomnia - Nosological classification, definitions, epidemiology		2								
	3. Sleep-related movement disorders- Nosological classification, definitions, epidemiology		1								
	SEMINARS (4 hours)		Number of hours:								
	2. Hypersomnia – Narcolepsy		1								
	- Treatment: (Pharmacological treatment, Behavioural managements)										
	2. Parasomnia		2								
	- Treatment: (Pharmacological treatment, Behavioural managements)										
	3. Sleep-related movement disorders		1								
- Treatment: (Pharmacological treatment, Conservative managements)											

	EXERCISES (2 hours) Number of hours:				
	1.PSG and actigraphy examples 1				
	2. Case records, especially regarding diagnosis and treatment 1				
Format of instruction	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input checked="" type="checkbox"/> partial e-learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other)		
Student responsibilities					
Screening student work (<i>name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course</i>)	Class attendance	0.5	Research		Practical training 9
	Experimental work		Report		(Other)
	Essay		Seminar essay		(Other)
	Tests		Oral exam		(Other)
	Written exam	2	Project		(Other)
Grading and evaluating student work in class and at the final exam	Y				
Required literature (available in the library and via other media)	Title			Number of copies in the library	Availability via other media
	Bassetti C, Dogas Z, Peigneux P: ESRS European Sleep Medicine Textbook 2014.			10	
Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none"> Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine. Elsevier Saunders fifth edition. Relevant recently published scientific publications 				
Quality assurance methods that ensure the acquisition of exit competences	<ul style="list-style-type: none"> Teaching quality analysis by students and teachers Exam passing rate analysis Committee for control of teaching reports External evaluation 				
Other (as the proposer wishes to add)					


3. STUDY PERFORMANCE CONDITIONS

3.1.Places of the study performance

Buildings of the constituent part (name existing, under construction and planned buildings)	
Identification of building	MEFST, Building A, B and C
Location of building	Šoltanska 2
Year of completion	1976 (Building A), 2012 (Building B), 2014 (Building C)
Total square area in m ²	4 802 (Building A), 4 700 (Building B), 1.531 (Building C)
Identification of building	KBC Split, Split Sleep Medicine Center
Location of building	Šoltanska 1
Year of completion	2001/2002
Total square area in m ²	200

3.2.List of teachers and associate teachers

Course	Teachers and associate teachers
Physiological basis of sleep	Prof. Zoran Đogaš Prof. Tarja Porkka Heiskanen Prof. Roberto Amici Prof. Mladen Boban Prof. Željko Đujić Assoc. Prof. Darko Modun Prof. Janoš Terzić Assist. Prof. Nenad Karanović Assist. Prof. Mladen Carev Prof. Dragan Ljutić Assoc. Prof. Tina Tičinović-Kurir Assist. Prof. Rozi Andretić Waldowski Prof. Zoran Valić
Assessment of sleep disorders and diagnostic Procedures	Prof. Zoran Đogaš Assoc. Prof. Zoltan Szakacs Oana Deleanu, MD, PhD Assoc. Prof. Leja Dolenc Grošelj
Sleep-related breathing disorders	Prof. Zoran Đogaš Prof. Dirk Pevernagie Assoc. Prof. Ludger Grote Assoc. Prof. Željka Roje Prof. Goran Račić Prof. Davorin Đanić Prof. Søren Berg Assist. Prof. Stefan Mihaicuta Prof. Florin Mihaltan
Insomnia. Circadian rhythms sleep disorders.	Prof. Zoran Đogaš Prof. Debra Skene Prof. Malcolm von Schantz Prof. Goran Dodig Assist. Prof. Trpimir Glavina Assist. Prof. Rozi Andretić Waldowski

Hypersomnias of central origin. Parasomnias. Sleep-related movement disorders.	Prof. Zoran Đogaš Prof. Claudio Bassetti Danilo Hodoba, MD, PhD Pavao Krmpotić, MD, PhD Assoc. Prof. Leja Dolenc Grošelj Assoc. Prof. Zoltan Szakacs Prof. Ivo Lušić Prof. Marina Titlić
Miscellaneous sleep-related conditions and disorders Societal, economic, organizational and research aspects of sleep medicine 	Prof. Zoran Đogaš Prof. Dirk Pevernagie Danilo Hodoba, MD, PhD Pavao Krmpotić, MD, PhD

3.3. Curriculum vitae of the course teachers

First and last name and title of teacher	Prof. Zoran Đogaš, MD, PhD
The course he/she teaches in the proposed study programme	Basic Neuroscience
GENERAL INFORMATION ON COURSE TEACHER	
Address	Department of Neuroscience University of Split, School of Medicine Šoltanska 2, 21000 Split, Croatia
Telephone number	+38521557905
E-mail address	zdogas@mefst.hr
Personal web page	http://tkojetko.irb.hr/znanstvenikDetalji.php?sifznan=6734
Year of birth	1966
Scientist ID	214812
Research or art rank, and date of last rank appointment	Scientific advisor, permanent position
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Professor, permanent position
Area and field of election into research or art rank	Biomedicine and Health Basic Medical Sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split, School of Medicine
Date of employment	1996
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Neuroscience, Sleep Medicine
Function	Vice Dean, Department Head
INFORMATION ON EDUCATION – Highest degree earned	
Degree	M.D.
Institution	University of Zagreb, School of Medicine
Place	Split
Date	1992
INFORMATION ON ADDITIONAL TRAINING	
Year	PhD

Place	Zagreb
Institution	University of Zagreb, School of Medicine
Field of training	Neuroscience, Pharmacology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English (5)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Serbian (4), Slovenian (3), Macedonian (3)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Italian (2), German (2)
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Basic Neuroscience, Medicine, integrated study program Basic Neuroscience, Dental Medicine, integrated study program Physiology, Medicine, integrated study program Research in Biomedicine and Health, Medicine, Dental Medicine, integrated study program Principles of Scientific Research in Medicine, Medicine, integrated study program Principles of Scientific Research in Medicine, Evidence Based Medicine, PhD study program Sleep Medicine, Medicine, integrated study program Sleep Apnea, Evidence Based Medicine, and Translational Research in Biomedicine, PhD study programs Methods of Data Collection and Analysis, Principles of Scientific Research in Nursing, Selected Readings in Neuroscience, Nursing, vocational studies Medical Informatics, Nursing and Physiotherapy, vocational studies
Authorship of university/faculty textbooks in the field of the course	Sleep Medicine Textbook, Eds. Bassetti C, Đogaš Z, Peigneux P. Wiley & European Sleep Research Society, Regensburg, 2014 Đogaš Z, Prikazpodataka (Chapter 10) in: Marušić M et al. Uvod u znanstveni rad u medicini, 5th edition, Medicinska naklada, Zagreb, 2013 Đogaš Z, Kardum G, Pecotić R, Valić M, Vilović K. Praktikum zavještbe iz Temeljaneuroznanosti, MF Split, 2002-2006 (Guide for Laboratory Exercises) Guyton & Hall, Medicinska fiziologija 9th, 10th and 11th edition, Medicinska naklada, Zagreb, (translation of 4 chapters) Đogaš Z, Kardum G. Osnove informatike za medicinare, MF Split, 2002-2006 (Medical Informatics Course MF Split and MF Mostar) Elektrofiziološke metode u medicinskim istraživanjima (Introductory Chapter), Medicinska naklada, Zagreb, 2001 (postgraduate studies, MF Zagreb)
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	• FISCHER J, DOGAŠ Z , BASSETTI CL, BERG S, GROTE L, JENNUM P, LEVY P, MIHAICUTA S, NOBILI L, RIEMANN D, PUERTAS CUESTA FJ, RASCHKE F, SKENE DJ, STANLEY N, PEVERNAGIE D; Executive Committee (EC) of the Assembly of the National Sleep Societies (ANSS); Board of the European Sleep Research Society (ESRS), Regensburg, Germany. Standard procedures for adults in accredited sleep

	<p>medicine centres in Europe. <i>J Sleep Res.</i> 2012;21(4):357-68. doi: 10.1111/j.1365-2869.2011.00987.x. Epub 2011 Dec 2.</p> <ul style="list-style-type: none"> • ALLEBRANDT KV, AMIN N, MÜLLER-MYHSOK B, ESKO T, TEDER-LAVING M, AZEVEDO RV, HAYWARD C, VAN MILL J, VOGELZANGS N, GREEN EW, MELVILLE SA, LICHTNER P, WICHMANN HE, OOSTRA BA, JANSSENS AC, CAMPBELL H, WILSON JF, HICKS AA, PRAMSTALLER PP, DOGAS Z, RUDAN I, MERROW M, PENNINX B, KYRIACOU CP, METSPALU A, VAN DUIJN CM, MEITINGER T, ROENNEBERG T. A K(ATP) channel gene effect on sleep duration: from genome-wide association studies to function in <i>Drosophila</i>. <i>Mol Psychiatry.</i> 2011. doi: 10.1038/mp.2011.142. [Epub ahead of print] • PAVLINAC DODIG I, PECOTIC R, VALIC M, DOGAS Z. Acute intermittent hypoxia induces phrenic long-term facilitation which is modulated by 5-HT_{1A} receptor in the caudal raphe region of the rat. <i>J Sleep Res.</i> 2012;21(2):195-203. • Ivancev B, Carev M, Pecotic R, Valic M, Pavlinac Dodig I, Karanovic N, Dogas Z. Remifentanyl reversibly abolished phrenic long term facilitation in rats subjected to acute intermittent hypoxia. <i>J Physiol Pharmacol.</i> 2013;64(4):485-92. • Marinov V, Valic M, Pecotic R, Karanovic N, Dodig IP, Carev M, Valic Z, Dogas Z. Sevoflurane and isoflurane monoanesthesia abolished the phrenic long-term facilitation in rats. <i>Respir Physiol Neurobiol.</i> 2013;189(3):607-13.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	<ul style="list-style-type: none"> • Penzel T, Pevernagie D, Dogas Z, Grote L, de Lacy S, Rodenbeck A, Bassetti C, Berg S, Cirignotta F, d'Ortho MP, Garcia-Borreguero D, Levy P, Nobili L, Paiva T, Peigneux P, Pollmächer T, Riemann D, Skene DJ, Zucconi M, Espie C; For The Sleep Medicine Committee and The European Sleep Research Society. Catalogue of knowledge and skills for sleep medicine. <i>J Sleep Res.</i> 2013 23(2):222-38. • PECOTIC R, DODIG IP, VALIC M, IVKOVIC N, DOGAS Z. The evaluation of the Croatian version of the Epworth sleepiness scale and STOP questionnaire as screening tools for obstructive sleep apnea syndrome. <i>Sleep Breath.</i> 2012;16(3):793-802. • Kukolja Taradi S, Taradi M, Dogas Z. Croatian medical students see academic dishonesty as an acceptable behaviour: a cross-sectional multicampus study. <i>J Med Ethics.</i> 2012;38(6):376-9. • Kukolja Taradi S, Taradi M, Knežević T, Dogaš Z. Students come to medical schools prepared to cheat: a multi-campus investigation. <i>J Med Ethics.</i> 2010;36(11):666-70. • Kolčić I, Cikeš M, Boban K, Bućan J, Likić R, Curić G, Dogaš Z, Polašek O. Emigration-related attitudes of the final year medical students in Croatia: a cross-sectional study at the dawn of the EU accession. <i>Croat Med J.</i> 2014;55(5):452-8.
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<ul style="list-style-type: none"> • Translational research on neuroplasticity of breathing and effect of intermittent hypoxia in anesthesia and sleep, HRZZ, #5935, Principal investigator, 2014. • Neural control of breathing in sleep and wakefulness, Scientific Research Grant supported by the Croatian Ministry of Science, #216-2163166-0513, PI, 2007-2013 • Neural control of cardiovascular system, Scientific Research Grant supported by the Croatian Ministry of Science, #216-2163166-3342, Investigator, 2007-2013

	<ul style="list-style-type: none"> • Neural control of cardiovascular system, Scientific Research Grant supported by the Croatian Science Foundation, #09/165, Investigator, 2013-
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	Self-education (1995-2015) TEMPUS project STEAMED (2006) CME courses: "Medical Education and Scientific Research Skills" - director (2006-2015)
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	Rector's Award, University of Zagreb (1988) Academy of Medical Sciences and Pliva Prize "Borislav Nakić" for the best scientific article in 1998 (2000) Best Mentor Award, Univ. of Split, School of Medicine (2011) National Science Award for 2012, Annual Award for Popularization and Promotion of Science (2013)
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Prof. Goran Račić, MD, PhD
The course he/she teaches in the proposed study programme	Sleep medicine
GENERAL INFORMATION ON COURSE TEACHER	
Address	Njegoševa 11
Telephone number	021 398 516
E-mail address	dr.goranracic@gmail.com
Personal web page	
Year of birth	1948.
Scientist ID	203255
Research or art rank, and date of last rank appointment	Scientific advisor
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Prof, 2009.
Area and field of election into research or art rank	Biomedicine and healthcare, Clinical medicine, Otorhinolaryngology
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	Retired
Date of employment	
Name of position (professor, researcher, associate teacher, etc.)	
Field of research	
Function	
INFORMATION ON EDUCATION – Highest degree earned	

Degree	ENT specialist
Institution	Clinical Hospital Salata
Place	Zagreb
Date	April, 1982.
INFORMATION ON ADDITIONAL TRAINING	
Year	1983.
Place	Muenchen, Germany
Institution	Klinikum Grosshadern
Field of training	ENT
Year	1986.
Place	Sarasota, U.S.A.
Institution	St. Luke Hospital
Field of training	Otosurgery
Year	1997.
Place	Muenchen, Germany
Institution	Klinikum Grosshadern
Field of training	Plastic surgery
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	German 2
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p>School of Medicine, Split</p> <p>Medicine: Otorhinolaryngology (2003)</p> <p>Stomatology: Otorhinolaryngology (2008)</p> <p>Medical Nurse School: Otorhinolaryngology (2006)</p> <p>Elective:</p> <p>Sleep medicine (2008)</p> <p>Participation at the courses:</p> <p>FESS (2011)</p> <p>All faces of Rhinitis (2011).</p> <p>Postgraduate course:</p> <p>Surgery for Sleep Disordered Breathing - evidence based (2010)</p> <p>Surgery for Sleep Disordered Breathing - evidence based (2010)</p>
Authorship of university/faculty textbooks in the field of the course	<p>Račić G, Roje Ž. Minimally Invasive Endoscopic Surgery in Nasal Obstruction U: Prgomet D, Werner JA, Remacle M, Ferris RL, ur. Minimally Invasive and Endoscopic Head and Neck Surgery. Zagreb, Naklada Ljevak; 2011: 245-8.</p> <p>Račić G, Roje Ž. Kirurško liječenje poremećaja disanja tijekom spavanja U: Pavlov N, Čulić S, Miše K, ur. Poremećaji tijekom spavanja - Sleep apnea. Jedinica za znanstveni rad, KBC Split, 2012: 95-104. (Udžbenik Medicinskog fakulteta Sveučilišta u Splitu)</p>

Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>Roje Ž, Račić G, Kardum G. Coblation channeling for inferior turbinate reduction in non-allergic patients. <i>Allergy</i> 2008; 1441 (88) Suppl: 522-522.</p> <p>Račić G, Roje Ž. Surgery as a treatment modality for sleep disordered breathing. <i>Lijec Vjesn.</i> 2008;130(3-4):91-7. Review.</p> <p>Roje Ž, Ševo V, Selimović M, Račić G. Adenotonsillectomy as a treatment modality for sleep disordered breathing in children: case report. <i>Lijec Vjesn.</i> 2008;130(3-4):97-100.</p> <p>Roje Ž, Račić G. Management of Rhinophyma with Coblation. <i>Dermatol Surg</i> 2010;36:2057-60.</p> <p>Roje Ž, Račić G, Kardum G. Efficacy and Safety of Inferior Turbinate Coblation Channeling in Treatment of Nasal Obstruction. <i>Coll Antropol</i> 2011;33(1): 293-8.</p> <p>Račić G, Roje Ž, Selimović M. Effects of septoplasty on sleep difficulties, nasal functions, and quality of life. <i>J of Sleep Res</i> 2012;21(Suppl): 239-9.</p> <p>Božanić I, Roje Ž, Račić G. Učinak adenotonzilektomije na saturaciju kisikom u djece s poremećajima disanja tijekom spavanja. <i>Pediatrica Croatica</i> 2011;55(3): 221-7</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Primary investigator on two national research grants since 2001., one national technological grant (2002-2005), one national ICT grant, and research programme since 2008 to 2011 ("Poremećaji disanja tijekom spavanja-uloga gornji dišnih putova", MZOS 216-0000000-3423)
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Prof. Mladen Boban, M.D., Ph.D.
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The course he/she teaches in the proposed study programme	Pharmacology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Dubrovacka 3, Split
Telephone number	021 531 621
E-mail address	mladen.boban@mefst.hr
Personal web page	
Year of birth	1964
Scientist ID	207836
Research or art rank, and date of last rank appointment	Scientific advisor, 2010.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Full Professor reelected-permanent title, 15.07.2010.
Area and field of election into research or art rank	Biomedicine & health, Basic medical sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split School of Medicine
Date of employment	1993
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Pharmacology, Functional foods
Function	Head of the Department
INFORMATION ON EDUCATION – Highest degree earned	
Degree	Ph.D.
Institution	University of Zagreb
Place	Zagreb
Date	21.04.1995
INFORMATION ON ADDITIONAL TRAINING	
Year	1989-1992
Place	Milwaukee, USA
Institution	Medical College of Wisconsin
Field of training	Cardiovascular pharmacology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p>Pharmacology, at different study programmes:</p> <p>Graduate: Medicine, Dental Medicine, Pharmacy</p> <p>Bachelor's degree: Nursing, Medical Laboratory Diagnostics, Radiology</p>

	<p>Postgraduate: Pharmacodynamics, Medical School Zagreb Electrophysiology of antiarrhythmics, Doping, Medical School in Split</p> <p>Visiting professor, Medical School in Mostar, Bosnia and Hercegovina,</p>
Authorship of university/faculty textbooks in the field of the course	<ol style="list-style-type: none"> 1. M Boban. Ishemijsko-reperfuzijska oštećenja miokarda. U: Hitna stanja u kardiologiji i angiologiji. Ur. Polić S, Lukin A. Znanstvena jedinica KB "Split" 1995;155-169. 2. M. Boban. Akutno trovanje i predoziranje lijekova. U: Principi interne medicine. Ur: KJ Isselbacher, E Braunwald, JD Wilson, JB Martin, AS Fauci, DL Kasper, 1. hrvatsko izdanje, Placebo, Split, 1997. (textbook, translation from English,) 3. M Boban. Ishemijsko-reperfuzijska oštećenja miokarda. U: Hitna stanja u kardiologiji i angiologiji (2. promijenjeno izdanje). Ur. Polić S, Lukin A. Jedinica za znanstveni rad, KB "Split" 1999;219-236. (postgraduate professional training handbook) 4. M. Boban. Opći anestetici; Antiaritmici. U: "Medicinska farmakologija". Ur: M Bulat, J Geber, Z Lacković. Medicinska naklada – Zagreb, 2001. (Textbook) 5. M Boban. Srce; Krvožilni sustav; Ateroskleroza i metabolizam lipoproteina; Hemostaza i tromboza; Hematopoezni sustav. U: "Farmakologija". Ur: Rang HP, Dale MM, Ritter JM, Moore PK. Prvo hrvatsko izdanje. Zagreb: Golden marketing- Tehnička knjiga; 2006. (textbook, translation from English,)) 6. M Boban i sur. Utjecaj adrenergičkih i kolinergičkih agonista i antagonista na parametre srčane funkcije na modelu izoliranog srca; Utjecaj lijekova na značajke akcijskog potencijala u izoliranom srcu; Mehanizmi vazodilatacijskog učinka lijekova: model izoliranih vaskularnih prstenova štakorske aorte. U: "Farmakološki priručnik". Ur: Bradamante V, Klarica M, Šalković-Petrišić. Medicinska naklada, Zagreb, 2008. (handbook) 7. M Boban i sur: Vazodilatatori i liječenje angine pektoris; Lijekovi za liječenje zatajenja srca; Lijekovi za liječenje srčanih aritmija; Vazoaktivni peptidi; tetraciklini, makrolidi, klindamicin, kloramfenikol, streptogramini i okszolidinoni. U: „Temeljna i klinička farmakologija“. Ur: Katzung BG, Masters SB, Trevor AJ. 11.izdanje, Medicinska naklada, Zagreb, 2011. (textbook, translation from English)
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1. Tuberoso CIG., Boban M., Bifulco E, Budimir D, Pirisi FM. Antioxidant capacity and vasodilatory properties of Mediterranean food: The case of Cannonau wine, myrtle berries liqueur and strawberry-tree honey. <i>Food Chemistry</i> 2013;140(4):686-691. 2. Gunjaca G, Jeroncic A, Budimir D, Mudnic I, Kolcic I, Polasek O, Rudan I, Boban M. A complex pattern of

	<p>agreement between oscillometric and tonometric measurement of arterial stiffness in a population-based sample. <i>J Hypertens</i> 2012;30(7):1444-1452.</p> <p>3. Mudnic I, Budimir D, Modun D, Gunjaca G, Generalic I, Skroza D, Katalinic V, Ljubenkovic I, Boban M. Antioxidant and vasodilatory effects of blackberry and grape wines. <i>J Med Food</i> 2012;15(3):315-321.</p> <p>4. Murabito JM, White CC, Kavousi M, Sun YV, Feitosa MF, Nambi V, Lamina C, ...Boban M, .. Kronenberg F. Association between chromosome 9p21 variants and the ankle-brachial index identified by a meta-analysis of 21 genome-wide association studies. <i>Circ Cardiovasc Genet</i> 2012;5(1):100-112.</p> <p>5. Krnic M, Modun D, Budimir D, Gunjaca G, Jajic I, Vukovic J, Salamunic I, Sutlovic D, Kozina B, Boban M. Comparison of acute effects of red wine, beer and vodka against hyperoxia-induced oxidative stress and increase in arterial stiffness in healthy humans. <i>Atherosclerosis</i> 2011;218(2):530-535.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>2007-2013 Ministry of science, education and sports of Republic of Croatia, Scientific programme 2160547, "Biological effects of wine and Mediterranean medicinal herbs" (Head of the program)</p> <p>2007-2013 Ministry of science, education and sports of Republic of Croatia, Scientific project 216-2160547-0537, "Cardiovascular effects of wine and its constituents"(Principal investigator)</p> <p>2012- 2014 EU Leonardo da Vinci partnership program „VET on Wine, Health and Responsible Drinking – Art de Vivre“ (Croatian partner)</p> <p>2014-2018 Croatian Science Foundation „Biological effects of wine: the influence of vinification technology, dealcoholization and aging of wine“ (Principal investigator)</p>
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	“Education of educators” Several courses and workshops (1997-2003)
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	<p>1. Faculty award for mentorship to the Ph.D. students (2012)</p> <p>2. Decoration: „Chevalier de l'Ordre du Merite Agricole“ (Order of Agricultural Merit), Ministère de l'Agriculture, de</p>

	l'Alimentation, de la Pêche, de la Ruralité et de l'Aménagement du territoire, The Republic of France, 2011. 3. National Science Awards of the Republic of Croatia in the field of biomedicine for the year of 2012.
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Assist. Prof. MLADEN CAREV, M.D., Ph.D
The course he/she teaches in the proposed study programme	Anesthesiology and Intensive Medicine, Clinical Skills, Neuroscience
GENERAL INFORMATION ON COURSE TEACHER	
Address	R. Boskovicica 22, 21000 Split, Croatia
Telephone number	+385 (0)98 756946
E-mail address	mladen.carev1@gmail.com
Personal web page	
Year of birth	1965
Scientist ID	224405
Research or art rank, and date of last rank appointment	Senior scientific associate, December 13th, 2013
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Assistant professor, July 15th, 2010
Area and field of election into research or art rank	Biomedicine and Health, Clinical Medical Sciences, Anesthesiology
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split School of Medicine
Date of employment	February 1st, 2013
Name of position (professor, researcher, associate teacher, etc.)	Associate professor, cumulative employment
Field of research	Biomedicine and Health, Clinical Medical Sciences, Anesthesiology
Function	
INFORMATION ON EDUCATION – Highest degree earned	
Degree	Senior scientific associate
Institution	University of Split School of Medicine
Place	Split, Croatia
Date	December 13th, 2013
INFORMATION ON ADDITIONAL TRAINING	
Year	
Place	
Institution	
Field of training	
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian

Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	German 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p><u>Undergraduate:</u> at the Department of Medicine in emergency conditions - Anaesthesiology, University of Split School of Medicine, 1999-2009,</p> <p>at the Department of Anesthesiology and Intensive Care, University of Split School of Medicine 2009-. a) medicine, b) dental Medicine, c) professional studies, d) English study at the Department of clinical skills 2012/13 - Head of Anesthesiology branch (Subject: Surgery) as part of clinical rotations</p> <p>First Aid, University of Split School of Medicine, 2003-2010</p> <p>Elective courses: Why and how do we breathe (2006-2011), The brain and addictions (2007-2010), The brain and the heart (2009-2011, University of Split School of Medicine</p> <p>E-elective course: Are we acid? from 2007- 2010</p> <p>The clinical instructor for the course of Clinical Skills at the University of Split School of Medicine</p> <p><u>Postgraduate</u> Basic and Clinical Medical Sciences - Anaesthesiology, Emergency and Intensive Medicine, University of Split School of Medicine, Split, 2005/2006. - today</p> <p>Lecturer at the University Department of Health Studies in Split: undergraduate studies (Urgent conditions in medicine), and at the graduate level (Clinical care in emergency situations)</p>
Authorship of university/faculty textbooks in the field of the course	<p>1. Carev M. Lijekovi i otopine. In: Šimunović V (ed.). Temeljne i opće kliničke vještine. Charleston, S.C., USA: CreateSpace Independent Publishing Platform, 2013., pp 85-101.</p> <p>2. Carev M. Medicaments and Solutions Handling. In: Simunovic, V (ed.). Basic&General Clinical Skills. Seattle: CreateSpace Independent Publishing Platform, 2013. p. 85-101.</p> <p>3. Carev M. Modul F-I. Lijekovi i otopine. In: Šimunović VJ. Temeljne i opće kliničke vještine - skripta. Sveučilište u Splitu. Medicinski fakultet. Available at: http://neuron.mefst.hr/docs/katedre/anesteziologija/Clinical%20Skills,%202nd%20draft%20April%2029,%202011.pdf (zadnji pristup 09.srpanj 2013.)</p>

	<p>4. Carev M. Chapter 7: Handling the drugs and solutions. In: Simunovic VJ (editor). Basic and general clinical skills. Split University. School of medicine. Available at: https://www.sugarsync.com/pf/D072146_6577853_881941 (zadnji pristup 13.ožujak 2012.)</p> <p>5. Carev M. Procjena prijeoperacijskoga rizika u bolesnika s OSA. In: KBC Split, MF Split, et al. Metabolički poremećaji i poremećaji spavanja (manual). Poslijediplomski tečaj trajne medicinske izobrazbe I kategorije. Split: University of Split School of Medicine. 2013; 181-92.</p> <p>6. Carev M. Maligna hipertermija (Malignant hyperthermy). In: Bačić A. (ed.). Anesteziologija, intenzivno liječenje i reanimatologija. 1. ed. Split: Chrono d.o.o. 2003; 332-41.</p>
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>1. Stipić SS, Carev M, Kardum G, Roje Z, Litre DM, Elezovic N. Are postoperative behavioural changes after adenotonsillectomy in children influenced by the type of anaesthesia?: A prospective, randomised clinical study. <i>Eur J Anaesthesiol</i>. 2014 Jun 5. [Epub ahead of print]. DOI: 10.1097/EJA.000000000000104</p> <p>2. Carev M, Karanovic N, Kocen D, Bulat C. Useful Supplement to the Best Practice of Using Levosimendan in a Heart Surgery Patient; 2.5 mg Intravenous Bolus for Cardiopulmonary Resuscitation during Perioperative Cardiac Arrest? <i>J Cardiothorac Vasc Anesth</i>. 2013; 27(6):e75-7. DOI: 10.1053/j.jvca.2013.07.018.</p> <p>3. Ivancev B, Carev M, Pecotic R, Valic M, Pavlinac Dodig I, Karanovic N, Dogas Z. Remifentanyl reversibly abolished phrenic long term facilitation in rats subjected to acute intermittent hypoxia. <i>J Physiol Pharmacol</i> 2013;64(4):485-92.</p> <p>4. Carev M, Valic M, Pecotic R, Karanovic N, Valic Z, Pavlinac I, Dogas Z. Propofol abolished the phrenic long term facilitation in rats. <i>Respir Physiol Neurobiol</i> 2010; 170 (1): 83-90.</p> <p>5. Carev M, Karanovic N, Bagatin J, Berovic Matulic N, Pecotic R, Valic M, Marinovic-Terzic I, Karanovic S, Dogas Z. Blood Pressure Dipping and Salivary Cortisol as Markers of Fatigue and Sleep Deprivation in Staff Anesthesiologists. <i>Coll Antropol</i> 2011; 35, Suppl 1: 133-138.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>1. Neural control of breathing during wakefulness and sleeping (director: prof. dr. sc. Zoran Đogaš, University of Split School of Medicine, 216-2163166-0513) - collaborator, 2007. - (http://zprojekti.mzos.hr/page.aspx?pid=96&lid=1)</p> <p>2. Translational research on neuroplasticity of breathing and effect of intermittent hypoxia in anesthesia and sleep (director: prof. dr. sc. Zoran Đogaš, University of Split School of Medicine) –</p>

	collaborator, from 2013. 3. Investigating Pathological Processes in Ischemic Human Myocardium; Basic Science Tools for Major Health Problem (director prof. dr. sc. Darija Baković Kramarić, University of Split School of Medicine) – collaborator from 2013.
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	<u>Postgraduate courses of continuous education</u> <ul style="list-style-type: none"> II/2007 «Train the Trainee Seminar» (microteaching, OSCE, PBL, clinical skill, sandwich). Split, Croatia. III/2007. Intensive Training Course on General Didactics TEMPUS - Project STEAMED. Vienna, Austria. Mentor prof. dr. sc. Gottfried Csanyi 2009. "Skill of medical education and scientific research", University of Split School of Medicine
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	I have available data from last 3 years of the Anesthesiology course (average grades from 4.7-4.9 in all investigated fields)

First and last name and title of teacher	Prof. Goran Dodig, MD, PhD
The course he/she teaches in the proposed study programme	Psychiatry
OPĆE INFORMACIJE O NOSITELJU	
Address	Hrvatskih žrtava 102, Seget Donji
Telephone number	098 370 800
E-mail address	dodig@kbsplit.hr
Personal web page	-
Year of birth	1947
Scientist ID	141901
Research or art rank, and date of last rank appointment	
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Full Professor reelected-permanent title, 23.01.2014
Area and field of election into research or art rank	Biomedicine and Health, Clinical Medical Sciences, Psychiatry
PODACI O SADAŠNJEM ZAPOSLENJU	
Institution where employed	KBC Split
Date of employment	1978.
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Psychiatry
Function	Head of Department
PODACI O ŠKOLOVANJU – Najviši postignuti stupanj	
Zvanje	PhD
Ustanova	University of Zagreb School of Medicine

Mjesto	Zagreb
Nadnevak	1996.
PODACI O USAVRŠAVANJU	
Godina	2004.
Mjesto	Zagreb
Ustanova	University of Zagreb
Područje usavršavanja	Forensic psychiatry
MATERINSKI I STRANI JEZICI	
Materinski jezik	Croatian
Strani jezik i poznavanje jezika na ljestvici od 2 (dovoljno) do 5 (izvrsno)	English 4
Strani jezik i poznavanje jezika na ljestvici od 2 (dovoljno) do 5 (izvrsno)	
Strani jezik i poznavanje jezika na ljestvici od 2 (dovoljno) do 5 (izvrsno)	
KOMPETENCIJE ZA PREDMET	
Ranije iskustvo u nositeljstvu sličnih predmeta (navesti naziv predmeta, studijskoga programa na kojem se izvodi/izvodio i razinu studijskoga programa)	
Autorstvo sveučilišnih/fakultetskih udžbenika iz područja predmeta	Britvić, D., Antičević, V., Dodig, G., Beg, A., Lapenda, B. Kekez, V. Psychotherapeutic treatment for combat related chronic posttraumatic disorder in Wiederhold B. (editor) Coping with Posttraumatic Stress Disorder in Returning Troops. NATO Science or Peace and Security Series E: Human and Societal Dynamics Vol.68, IOS Press BV. Amsterdam, 2010.
Stručni, znanstveni i umjetnički radovi objavljeni u posljednjih pet godina iz područja predmeta (najviše 5 referenca)	<ol style="list-style-type: none"> 1. Kalinić, Dubravka; Borovac Štefanović, Leda; Jerončić, Ana; Mimica, Ninoslav; Dodig, Goran; Delaš, Ivančica. Eicosapentaenoic acid in serum lipids could be inversely correlated with severity of clinical symptomatology in Croatian war veterans with posttraumatic stress disorder. // <i>Croatian medical journal</i>. 55 (2014) , 1; 27-37 (članak, znanstveni). 2. Britvić, Dolores; Glučina, Dubravka; Antičević, Vesna; Kekez, Vesna; Lapenda, Branka; Đogaš, Varja; Dodig, Goran; Urlić, Ivan; Nemčić-Moro, Iva; Frančišković, Tanja. Long-term improvement in coping skills following multimodal treatment in war veterans with chronic PTSD. // <i>International journal of group psychotherapy</i>. 62 (2012) , 3; 418-435 (članak, znanstveni). http://guilfordjournals.com/doi/abs/10.1521/ijgp.2012.62.3.418 3. Lasić, Davor; Cvitanović Žuljan, Marija; Uglešić, Boran; Dodig, Goran. Family survived the sinking of "Costa Concordia". // <i>Psychiatria Danubina</i>. 24 (2012) , 3; 333-335 (članak, ostalo) 4. Franić, Tomislav; Dodig, Goran; Kardum, Goran, Marčinko, Darko; Ujević, Ante; Bilušić, Marijo. Early adolescence and suicidal ideations in Croatia: sociodemographic, behavioral, and psychometric correlates. // <i>Crisis-the journal of crisis intervention and</i>

	<i>suicide prevention</i> . 32 (2011) , 6; 334-345 (članak, znanstveni).
Stručni i znanstveni radovi iz metodike i kvalitete nastave objavljeni u posljednjih pet godina (najviše 5 referenca)	
Stručni, znanstveni i umjetnički projekti iz područja predmeta koji su se provodili u posljednjih pet godina (najviše 5 referenca)	
U sklopu kojega programa i u kojem je opsegu nositelj stekao metodičko- psihološko-didaktičko - pedagoške kompetencije?	
PRIZNANJA I NAGRADE	
Priznanja i nagrade za nastavni i znanstveni rad/umjetnički rad	

First and last name and title of teacher	Prof. Zeljko Dujic, MD, PhD
The course he/she teaches in the proposed study programme	Physiology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Soltanska 2
Telephone number	+38521557906
E-mail address	zeljko.dujic@mefst.hr
Personal web page	http://genom.mefst.hr/physiology/cv/zdujic.html
Year of birth	1959
Scientist ID	160325
Research or art rank, and date of last rank appointment	Scientific advisor, 1999
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Professor (full tenure), 2005
Area and field of election into research or art rank	Cardiovascular physiology, respiratory physiology, cerebrovaskular physiology, exercise, environmental physiology
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split School of Medicine
Date of employment	1988
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Physiology
Function	Head, Department of integrative physiology
INFORMATION ON EDUCATION – Highest degree earned	
Degree	MD
Institution	University of Zagreb School of Medicine
Place	Zagreb
Date	1983
INFORMATION ON ADDITIONAL TRAINING	
Year	1983-1986, PhD
Place	Milwaukee, USA
Institution	Medical College of Wisconsin

Field of training	Physiology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Course coordinator for many different programmes at the University of Split School of Medicine
Authorship of university/faculty textbooks in the field of the course	Translator of 2 physiology textbooks.
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>50 papers in last 5 years</p> <p>Heusser K, Dzamonja G, Tank J, Palada I, Valic Z, Bakovic D, Obad A, Ivancev V, Diedrich A, Joyner MJ, Jordan J, Dujic Z. Sympathetic activation with voluntary apnea in elite divers. <i>Hypertension</i> 53:719-24, 2009.</p> <p>Dujic Z, Breskovic T. Impact of breath-holding on cardiovascular respiratory and cerebrovascular health. <i>Sports Med</i> 42(6): 1-14, 2012.</p> <p>Maslov PZ, Breskovic T, Brewer DN, Shoemaker JK, Dujic Z. Recruitment pattern of sympathetic muscle neurons during premature ventricular contractions in heart failure patients and controls. <i>Am J Physiol Regul Integr Comp Physiol</i> 303(11):R1157-64, 2012.</p> <p>Madden D, Lozo M, Dujic Z, Ljubkovic M. Exercise after SCUBA diving increases the incidence of arterial gas embolism. <i>J Appl Physiol</i> 115(5):716-22, 2013.</p> <p>Willie CK, Ainslie PN, Drvis I, MacLeod DB, Bain AR, Madden D, Zubin Malov P, Dujic Z. Brain blood flow in elite breath-hold divers during changes in arterial blood gases. <i>J Cerebral Blood Flow M</i> 35(1):66-73, 2014.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>2009 – 2011: Coordinator of the project “Physiology of SCUBA diving” funded by the Unity through Knowledge Fund (category 1B)</p> <p>2009 – 2011: Collaborator on the project “Standard for evaluation of diving computers” funded by the Norwegian labor directorate (Norway)</p> <p>2011 – 2014: Collaborator on FP7 Marie Curie Initial Training Network project “Phypode – Physiopathology of decompression: risk factors for the formation of intravascular bubbles during decompression”.</p>

The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	PhD programme in Physiology.
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	1996. Danica hrvatska 2003. Annual award by the Croatian Academy of Science and Fine Arts 2006. Annual Croatian Scientific Award
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	Average grade 4.5 on student's evaluation (from 1-5).

First and last name and title of teacher	Assist. Prof. Nenad Karanović, MD, PhD
The course he/she teaches in the proposed study programme	Anesthesiology and Intensive Medicine
GENERAL INFORMATION ON COURSE TEACHER	
Address	Poljička cesta 7, 21000 Split
Telephone number	091 51 77 880
E-mail address	nkaranov@yahoo.com
Personal web page	none
Year of birth	1955.
Scientist ID	275856
Research or art rank, and date of last rank appointment	Senior scientific associate, 2013
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Assistant-professor, 2010.
Area and field of election into research or art rank	Anesthesiology and Intensive Medicine
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University Hospital Centre Split, University of Split School of Medicine
Date of employment	1981. 2006.
Name of position (professor, researcher, associate teacher, etc.)	Staff anestehsiologist and intensivist
Field of research	Anesthesiology and intensive care, Neuroscience
Function	Head of the Department
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Split School of Medicine

Place	Split
Date	2010.
INFORMATION ON ADDITIONAL TRAINING	
Year	2003-2007
Place	Zagreb, Budapest, Zurich, Milwaukee
Institution	UH Dubrava, Semmelweis university, Triemli hospital, Froedtert hospital, Veteran affairs hospital
Field of training	Cardiac anesthesia and intensive medicine
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	French 2
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Anesthesiology and Intensive medicine, dental medicine, medicine First aid, medicine Clinical care in urgency, university study Electives
Authorship of university/faculty textbooks in the field of the course	Emergency medicine 2011., Hitna medicina 2013, Emergency medicine 2013, one chapter Intenzivna medicina 2008. one chapter
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> Carev M, Karanovic N, Kocen D, Bulat C. Useful supplement to the best practice of using levosimendan in cardiac surgery patients: 2,5 mg intravenous bolus for cardiopulmonary resuscitation during perioperative cardiac arrest. <i>J Cardiothorac Vasc Anesth</i> 2013; 27: e75-e77. DOI: 10.1053/j.jvca.2013.07.018. Marinov V, Valić M, Pecotić R, Karanović N, Pavlinac Dodig I, Carev M, Valić Z, Đogaš Z. Sevoflurane and isoflurane monoanesthesia abolished the phrenic long-term facilitation in rats. <i>Respir Physiol Neurobiol</i> 2013; 189: 607-613. Ivancev B, Carev M, Pecotic R, Valic M, Pavlinac Dodig I, Karanovic N, Z. Dogas. Remifentanyl reversibly abolished phrenic long term facilitation in rats subjected to acute intermittent hypoxia. <i>J Physiol Pharmacol</i> 2013; 64: 485-492. Karanovic N, Pecotic R, Valic M, Jeroncic A, Carev M, Karanovic S, Ujevic A, Dogas Z. The acute hypoxic ventilatory response under halothane, isoflurane, and sevoflurane anaesthesia in rats. <i>Anaesthesia</i> 2010; 65: 227-234. Carev M, Karanovic N, Bagatin J, Berovic Matulic N, Pecotic R, Valic M, Marinovic-Terzic I, Karanovic S, Zoran Dogas. Blood Pressure Dipping and SalivaryCortisol as Markers of Fatigue and Sleep Deprivation in Staff Anesthesiologists. <i>Coll Antropol</i> 2011; 35, Suppl 1: 133-138.
Professional and scholarly articles published in the last five years in	

subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<ul style="list-style-type: none"> - 2007.-now. Researcher in scientific grant of Croatian Ministry of Science, Education, and Sport "Neural control of breathing in sleep and alert state". Main researcher Zorn Đogaš, MD, PhD, professor. - 2014 – now: Researcher in scientific grant of Croatian Science Foundation: „Translational research on neuroplasticity of breathing and effect of intermittent hypoxia in anesthesia and sleep“. Main researcher Zoran Đogaš, MD, PhD, professor
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	<ul style="list-style-type: none"> - 2007. Intensive Training Course on General Didactics TEMPUS-Project STEAMED. Beč, Austrija. Mentor prof. dr. sc. Gottfried Csanyi - 2007. Tečaj INTEL-M „Train the Trainee Seminar“ (microteaching, OSCE, PBL, clinical skill, sandwich), Split. - 2006. Intensive Training Course in Pedagogy and Didactics in Medical Education TEMPUS-Project STEAMED. Beč, Austrija. Mentori prof dr. sc. Richard März i prof. dr. sc. Hubert Wiener -
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	4,7-4,8

First and last name and title of teacher	Prof. Ivo Lušić, MD, PhD
The course he/she teaches in the proposed study programme	Neurology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Osječka 24a, 21000 Split
Telephone number	098/422911
E-mail address	ivo.lusic@st.htnet.hr
Personal web page	//
Scientist ID	121625
Research or art rank, and date of last rank appointment	Scientific adviser February 25th, 2009.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Tenured professor June 12, 2014.
Area and field of election into research or art rank	Medicine/Clinical Sciences/Neurology
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split – School of Medicine
Date of employment	1998

Name of position (professor, researcher, associate teacher, etc.)	Tenured professor
Field of research	Neurology
Function	Head of department
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Zagreb
Place	Zagreb
Date	1998
INFORMATION ON ADDITIONAL TRAINING	
Year	1983
Place	Zagreb
Institution	University Hospital Center Zagreb
Field of training	Clinical Neurology
Year	1984
Place	Zagreb
Institution	University Hospital Center Zagreb
Field of training	Electroencephalography
Year	1991
Place	Berlin
Institution	Klinik und Poliklinik für Neurologie, Charité, Humboldt Universität
Field of training	Cerebrovascular diseases
Year	2002
Place	Innsbruck
Institution	Klinik für Neurologie, Universität Klinik Innsbruck
Field of training	Epilepsy pharmacotherapy
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English - 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Italian - 3
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	//
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Head of the Department continuously from 1998 until today. Organizes and conducts educational programs in Neurology for Study of medicine (1998-2015), Medical studies in English (2014-2015), Study of Dental medicine (2009-2015), professional studies of Physiotherapy and Nursing Practice (2002-2015), as well as elective courses for doctoral studies.
Authorship of university/faculty textbooks in the field of the course	<ol style="list-style-type: none"> 1. Lušić I. Epilepsije. Split: Own edition; 2007. 2. Lušić I. Demencije. In: Duraković Z. i suradnici: Gerijatrija – Medicina starije dobi. Zagreb: CT poslovne informacije d.o.o. Zagreb; 2007. 3. Brinar V, Lušić I, Hajnšek S, Bašić S. Paroksizmalni poremećaji svijesti. In: Brinar V. i suradnici: Neurologija. Zagreb: Medicinska naklada; 2008. 4. Brinar V, Lušić I. Kognitivni poremećaji: akutna konfuzna stanja, amnestički sindromi i demencije. In: Brinar V. i suradnici: Neurologija. Zagreb: Medicinska naklada; 2008.

	5. Lušić I, Lušić L. Kvaliteta života osoba nakon moždanog udara. In: Trkanjec Z, Sinanović O: Nemotorni simptomi nakon moždanog udara. Zagreb: Medicinska naklada; 2014..
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1. Lušić I. Current status of neurology in Croatia. <i>Neurology</i> 2013;81;759-760. 2. Lang W, Stadler CH, Poljaković Z, Fleet D, Willeit J, Brainin M, Gruber F, Demarin V, Antončić I, Lušić I, Bar M, Vaclavik D, Polivka J, Rektor I, Turcani P, Sveglić V. A prospective, randomized, placebo-controlled, double-blind trial about safety and efficacy of combined treatment with alteplase (rt-PA) and Cerebrolysin in acute ischaemic hemispheric stroke. <i>Int J Stroke</i>. 2013; 8:95–104. 3. Lušić I, Džamonja G, Titlić M, Bilić I, Lusić L, Šodić L. Psychometric validation of the Croatian version of the quality of life in epilepsy inventory (QOLIE-31): Comparison with a generic health-related QOL questionnaire – SF-36. <i>Collegium Antropol</i>. 2011; 35:1006-14. 4. Bilić I, Petrić NM, Krstulja M, Vučković M, Salamunić I, Kraljević KS, Čapkun V, Lušić I. Hyperbaric oxygen is effective in early stage of healing of experimental brain abscess in rats. <i>Neurol Res</i>. 2012; 34: 931-6. 5. Pavelin S, Bečić K, Forempoher G, Tomić S, Čapkun V, Drmić-Hofman I, Mrklić I, Lušić I. The significance of immunohistochemical expression of Merlin, Ki-67, and p53 in meningiomas. <i>Appl Immunohistochem Mol Morphol</i>. 2014; 22:46-9.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	//
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<ol style="list-style-type: none"> 1. Pобољшanje razine dostupnosti trombolitičkog liječenja moždanog udara u RH: Intervencija primjenom javne kampanje u Županiji Splitsko-Dalmatinskoj (2007-2012). Projekt Hrvatskog društva za neurovaskularne poremećaje i prevenciju moždanog udara. 2. Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as a Predictors of Disease Progression in Clinically Isolated Syndrome (2014), Hrvatska zaklade za znanost. 3. INTERSTROKE: A Study of the Importance of Conventional and Emerging Risk Factors of Stroke in Different Regions and Ethnic Groups of the World. Canadian Institutes of Health Research. 4. INTERHEART: A Global Case-Control Study of Risk Factors for Acute Myocardial Infarction. Population Health Research Institute, Hamilton Health Sciences and McMaster University, Canada. 5. The Fifth Organization to Assess Strategies in Acute Ischemic Syndromes. Sanofi-Aventis, Organon, GlaxoSmithKline.
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-	//

didactic-pedagogical group of competences?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	<ol style="list-style-type: none"> 1. Povelja Hrvatskog Liječničkog Zbora (2007.) 2. Diploma Glavnog odbora HLZ-a za osobit doprinos medicinskoj znanosti i zdravstvu u RH (2008) 3. Priznanje Hrvatskog neurološkog društva HLZ-a za osobiti doprinos u promicanju i razvitku neurologije u Hrvatskoj (2006). 4. Svečana povelja za izniman doprinos i pomoć u radu Neurološke sekcije HUMS-a (1999)
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	4.8

First and last name and title of teacher	Prof. Dragan Ljutić, MD, PhD
The course he/she teaches in the proposed study programme	Medicine: int. medicine, pathophysiology, propedeutics, medical ethics Dental Medicine: int. medicine, pathophysiology Medicine in English: int. medicine, propedeutics, pathophysiology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Clinical Hospital Split
Telephone number	021 557 600
E-mail address	Dragan.ljusic@yahoo.com
Personal web page	
Year of birth	1956
Scientist ID	132855
Research or art rank, and date of last rank appointment	Tenured professor, 05. 05. 2008.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Tenured professor, 05. 05. 2008.
Area and field of election into research or art rank	Clinical medical sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Medicine School of Split
Date of employment	1.11.1998.
Name of position (professor, researcher, associate teacher, etc.)	professor
Field of research	Internal medicine
Function	Teacher, dean
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PHD
Institution	University of Zagreb School of Medicine
Place	Zagreb
Date	1991

INFORMATION ON ADDITIONAL TRAINING	
Year	1992
Place	London, UK
Institution	Guys Hospital
Field of training	Nephrology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	-----
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	-----
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	
Authorship of university/faculty textbooks in the field of the course	<ol style="list-style-type: none"> 1. Jedinica za znanstveni rad KBC Split, 1992. <ul style="list-style-type: none"> - Liječenje poremetnji metabolizma kalcija. 2. Ljutić D, Rumboldt Z. Akutno zatajenje bubrega. Slobodna Dalmacija d.d. 1995. <ul style="list-style-type: none"> - Pigmentne nefropatije - Imunološki posredovane bolesti glomerula i akutno zatajenje bubrega - Tubulointersticijske bolesti i akutno zatajenje bubrega 3. Mirić D i sur. Preventivna Kardiologija. Jedinica za znanstveni rad KB Split. 1997. <ul style="list-style-type: none"> - Hiperuricemija i kardiovaskularne bolesti. 4. Janković S, Polić S, Petričević A, Bačić A. Odabrana poglavlja iz hitne medicine. Jedinica za znanstveni rad KB Split. 1998. <ul style="list-style-type: none"> - Poremećaji tjelesne vode, elektrolita i acidobazne ravnoteže: dijagnostika i liječenje. 5. Punda-Polić V, Bagatin J, Bradarić N. Antibiotici - racionalna primjena. Jedinica za znanstveni rad KB Split. 1998. <ul style="list-style-type: none"> - Osobitosti farmakokinetike i doziranja protubakterijskih lijekova u zatajenju bubrega. 6. Mirić D, Giunio L, Vuković I i sur. Koronarna bolest. Hrvatsko kardiološko društvo. Split 2006. <ul style="list-style-type: none"> - Arterijska hipertenzija i koronarna bolest srca.
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1. Sain M, Kovacic V, Radic J, Ljutić D, Jelčić I. What are the lowest doses of low molecular weight heparin for effective and safe hemodialysis in different subgroups of patients? Therapeutic apheresis and dialysis : official peer-reviewed journal of the International Society for Apheresis, the Japanese Society for Apheresis, the Japanese Society for Dialysis Therapy. 2014;18(2):208-9. Epub 2014/04/12.

	<p>2. Kaliterna DM, Radic M, Ljutic D. Does estrogen stimulate the pathogenic sort of anticardiolipin antibodies? The Israel Medical Association journal : IMAJ. 2014;16(3):197-8. Epub 2014/04/26.</p> <p>3. Vujcic B, Mikolasevic I, Racki S, Orlic L, Ljutic D, Bubic I. BCM - Body Composition Monitor: A New Tool for the Assessment of Volume-Dependent Hypertension in Patients on Maintenance Haemodialysis. Collegium Antropologicum. 2013;37(3):815-9</p> <p>4. Kovacic V, Ljutic D, Jelcic I, Sain M, Radic J, Radic M. Spleen Rupture Associated with Septic Emboli and Endocarditis in a Hemodialysis Patient. Blood Purification. 2013;35(1-3):177-80.</p> <p>5. Kovacevic LM, Puizina-Ivic N, Ljutic D, Brakus SM, Govorko DK, Jelcic I, et al. Differences in epidermal thickness and expression of apoptosis regulatory proteins in the skin of patients with chronic renal failure and pruritus. Acta Histochemica. 2013;115(2):144-50.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	Simunovic VJ, Hozo I, Rakic M, Jukic M, Tomic S, Kokic S, et al. New Paradigm in Training of Undergraduate Clinical Skills the NEPTUNE-CS project at the Split University School of Medicine. Croatian Medical Journal. 2010;51(5):373-80.
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Project: „Imunološke, hematološke, reološke i druge osobitosti uremijskog sindroma“ financed by Ministry of science, education and sports
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	<p>1991. – scholarship in field of clinical nephrology given by International Nephrology society</p> <p>1993. – scholarship of British Council</p> <p>1996. – Croatian Medical Bord, thanksgiving note for participation in Homeland War</p> <p>2004. - European specialis in arterial hypertension</p> <p>2005. - Premium professional member of American Heart Association (invited)</p> <p>2006. – Craotian Medical Bord, Diploma</p> <p>2009. – Croatian Medical Bord, Diploma</p> <p>2013. – award by Split-Dalmatia County</p>
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Assoc. Prof. Darko Modun, MD, PhD
The course he/she teaches in the proposed study programme	General Pharmacology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Hrvatske mornarice 1K, 21000 Split
Telephone number	098892373
E-mail address	darko.modun@mefst.hr
Personal web page	///
Year of birth	1975.
Scientist ID	243656
Research or art rank, and date of last rank appointment	Scientific advisor, 13.11.2013.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Associate Professor, 08.06.2011.
Area and field of election into research or art rank	Biomedicine & Health, Basic medical sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split School of Medicine
Date of employment	10/1999
Name of position (professor, researcher, associate teacher, etc.)	Associate Professor
Field of research	Pharmacology, Pharmacy
Function	Vice-Dean, Head of Department
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Split School of Medicine
Place	21000 Split
Date	20.10.2006.
INFORMATION ON ADDITIONAL TRAINING	
Year	2009.
Place	Hannover, Germany
Institution	Hannover Medical Faculty
Field of training	Detection of nitrite (metabolite of NO) in blood and plasma
Year	2007.
Place	Zagreb
Institution	Institute Rudjer Boskovi
Field of training	Methods of detection of oxidative stress
Year	2002.
Place	Ljubljana
Institution	University of Ljubljana School of Medicine
Field of training	Experimental models in cardiovascular pharmacology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Italian, 3

COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	General pharmacology, integrated undergraduate and graduate study of Pharmacy in Split
Authorship of university/faculty textbooks in the field of the course	<ol style="list-style-type: none"> 1. Handbook of virtual experiments in Pharmacology (Priručnik o virtualnim pokusima iz farmakologije) (co-editor and co-author). Split : University of Split School of Medicine (ed.), 2013. 2. Basic and Clinical Pharmacology (Temeljna i klinička farmakologija) (translator of a chapter) Zagreb : Medicinska naklada (ed.), 2011. 3. Handbook of Pharmacology (Farmakološki priručnik) (co-author). Zagreb : Medicinska naklada, (ed.), 2008.
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 6. Vucinovic Z, Duplancic D, Seselja-Perisin A, Kukoc-Modun L, Gunjaca G, Radman M, Vukovic J, Tsikas D, Poljak K, Modun D. Acute application of antioxidants protects against hyperoxia-induced reduction of plasma nitrite concentration. <i>Clin Physiol Funct Imaging</i>. 2015; 35:76-80' 7. Modun D, Krnic M, Vukovic J, Kokic V, Kukoc-Modun L, Tsikas D, Dujic Z. Plasma nitrite concentration decrease after hyperoxia-induced oxidative stress in healthy humans. <i>Clin Physiol Funct Imaging</i>. 2012; 32:404-8. 8. Tsikas D, Flentje M, Niemann J, Böhmer A, Modun D. Antioxidants and Endothelial Dysfunction in Young and Elderly People: Is FMD Useful to Assess Acute Effects? <i>Hypertension</i>. 2012; 60:e5. 9. Krnic M, Modun D, Budimir D, Gunjaca G, Jajic I, Vukovic J, Salamunic I, Sutlovic D, Kozina B, Boban M. Comparison of acute effects of red wine, beer and vodka against hyperoxia-induced oxidative stress and increase in arterial stiffness in healthy humans. <i>Atherosclerosis</i>. 2011; 218:530-5. 10. Boban M, Modun D. Uric acid and antioxidant effects of wine. <i>Croat Med J</i>. 2010; 51:16-22.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	///
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<ol style="list-style-type: none"> 1. Scientific project Cardiovascular effects of wine and its compounds, collaborator 2. Erasmus teacher mobility, professional visit to Ljubljana, Slovenia 3. Erasmus teacher mobility, professional visit to Kuopio, Finland
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	///
PRIZES AND AWARDS, STUDENT EVALUATION	

Prizes and awards for teaching and scholarly/artistic work	Award of the University of Split School of Medicine for the first author of the best scientific article published in acad. year 2005/06.
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Prof. Janoš Terzić, MD, PhD
The course he/she teaches in the proposed study programme	Immunology and Medical Genetics
GENERAL INFORMATION ON COURSE TEACHER	
Address	Šoltanska ulica 2, 21000 Split
Telephone number	021557944
E-mail address	janos.terzic@mefst.hr
Personal web page	-
Year of birth	1965.
Scientist ID	209906
Research or art rank, and date of last rank appointment	Scientific advisor, 23.05.2011.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Professor, May 2011.
Area and field of election into research or art rank	Area: Biomedicine and health Field: Basic medical sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	Medical Faculty University of Split
Date of employment	October 1993.
Name of position (professor, researcher, associate teacher, etc.)	Professor and researcher
Field of research	Cancer research
Function	Vice Dean for Science, Professor
INFORMATION ON EDUCATION – Highest degree earned	
Degree	MD
Institution	Medical Faculty University of Zagreb
Place	Split
Date	May 1991.
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	Medical Faculty University of Zagreb
Place	Zagreb
Date	December 1998.
INFORMATION ON ADDITIONAL TRAINING	
Field: Biomedical researchs	1991-1993 <i>Postdoctoral fellowship</i> , Health Center-University of Connecticut, USA
Year, Place, Institution:	

	<p>1994-1997 <i>Master of Science</i> – University of Zagreb, School of Natural Sciences</p> <p>1995 – <i>Short term fellowship</i>, Max Planck Institute Göttingen, Germany</p> <p>1997-1998 <i>Ph.. D.</i> – University of Zagreb, Medical School</p> <p>1997 – <i>One month fellowship</i>, Imperial College of Science, Medicine and Technology, London, UK</p> <p>1999 – <i>Six month fellowship</i>, Max Planck Institute Tübingen, Germany</p> <p>2002 – <i>Two months fellowship</i>, Ludwig Institute, Uppsala, Sweden</p> <p>2005/2006 – <i>One year Fullbright fellowship</i>, University of California San Diego, USA</p> <p>2008 – <i>EMBO fellowship</i>, University of California San Diego, USA</p>
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English - 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Physiology– University of Split School of Medicine. Molecular Biology – University of Split School of Medicine.
Authorship of university/faculty textbooks in the field of the course	Emeryjeve osnove medicinske genetike“, Turnpenny i Ellard, 14. edition, Medicinska naklada Zagreb, 2011. (One of the translators of exam literature textbook for the course in Medical genetics)
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1. Marinovic-Terzic I*, Lessel D*, Vaz B*, Halder S*, Lockhart PJ*, Lopez-Mosqueda J, (J. Terzić) et al. Mutations in SPRTN cause early-onset hepatocellular carcinoma, genomic instability and progeroid features. Nature Genetics 2014 Nov;46(11):1239-44. doi: 10.1038/ng.3103. IF (<i>impact factor</i>)=29,6 *-equal contribution; J. Terzić-corresponding author. 2. Marinović-Terzić I*, Utrobičić I*, Novak I*, Matić K, Lessel D, Salamunić I, Babić MS, Kunac N, Mešin AK, Kubisch C, Maček B, Terzić J. Carpal tunnel syndrome is associated with high fibrinogen and fibrinogen deposits. Neurosurgery. 2014 Sep;75(3):276-85. IF=3.0 *-equal contribution. J. Terzić - corresponding author. 3. Terzić J, Grivennikov S, Karin E, Karin M. Inflammation and colon cancer. Gastroenterology. 2010 Jun;138(6):2101-2114.e5. doi: 10.1053/j. IF=13, over 300 citations. 4. Terzić J*, Palada V*, Mazzulli J, Bwala G, Hagenah J, Peterlin B, Hung AY, Klein C, Krainc D. Histamine N-methyltransferase Thr105Ile polymorphism is associated with Parkinson's disease. Neurobiology of Aging. 2012 Apr;33(4):836.e1-3. doi: 10.1016/j.*-equal contribution. IF=6 5. Terzic J*, Grivennikov S*, Karin E*, Mucida D, Yu GY, Vallabhapurapu S, Scheller J, Rose-John S, Cheroutre H, Eckmann L, Karin M. IL-6 and Stat3 are required for survival

	of intestinal epithelial cells and development of colitis-associated cancer. Cancer Cell . 2009 Feb 3;15(2):103-13. doi: 10.1016/j.ccr.*-equal contribution.IF=24, <u>over 600 citations</u> .
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	-
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	- "Role of inflammation in cancer development": 2007-2014. Ministry of Science Education and Sport. The most productive national project according to Croatian Scientific Landscape - "Cancer pathogenesis" Goethe University, Collaborative project with Ivan Dikic.
The name of the programme in which the teacher acquired the methodological-psychological-didactic-pedagogical group of competences	„Medical education competences“ course at Medical Faculty University of Split
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	2001 Annual award "Anton Šercer", Croatian medical academia 2000 Annual award, Almae Matris Alumni Croatice – UK 2012. Annual award for science Slobodna Dalmacija 2013. "The best professor", Medical students at the finishing year of their studies; generation 2012/2013. 2014. Annual award for science, Republic of Croatia 2014. Award "Pride of Croatia"
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	Very good to Excellent

First and last name and title of teacher	Assoc. Prof. Tina Tičinović Kurir, MD, PhD
The course he/she teaches in the proposed study programme	Pathophysiology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Šoltanska 2
Telephone number	021/557-871
E-mail address	tticinov@mefst.hr
Personal web page	/
Year of birth	1972.
Scientist ID	282292
Research or art rank, and date of last rank appointment	Senior Research Associate, 2013.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Associate professor, 2014.

Area and field of election into research or art rank	Biomedicine and health; Clinical medical sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	School of Medicine Split; University Hospital Split
Date of employment	2003.; 1999.
Name of position (professor, researcher, associate teacher, etc.)	Professor; subspecialist in endocrinology and diabetology
Field of research	Pathophysiology; Clinical endocrinology and diabetology
Function	Head of Department; Head of Department
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	School of Medicine
Place	Split
Date	2007.
INFORMATION ON ADDITIONAL TRAINING	
Year	2013.
Place	Manchester, United Kingdom
Institution	Christie Hospital
Field of training	Endocrinological oncology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	French, 2
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	/
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Pathophysiology (medicine, dental medicine, medical studies in English, pharmacy, health studies). Pathophysiology of endocrinopathies (medicine, dental medicine).
Authorship of university/faculty textbooks in the field of the course	Tičinović Kurir T i sur. Patofiziologija endokrinopatija-odabrana poglavlja. Split, Naklada Redak, 2013. (university textbook)
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	1) Režić-Mužinić N, Cikeš-Čulić V, Božić J, Tičinović-Kurir T, Salamunić I, Markotić A. Hypercalcemia induces a proinflammatory phenotype in rat leukocytes and endothelial cells. J Physiol Biochem. 2012; 69: 199-205. 2) Ferhatovic L, Banozic A, Kostic S, Kurir TT, Novak A, Vrdoljak L, Heffer M, Sapunar D, Puljak L. Expression of Calcium/Calmodulin-Dependent Protein Kinase II and Pain-Related Behavior in Rat Models of Type 1 and Type 2 Diabetes. Anesth Analg 2013; 116(3): 712-21. 3) Novak A, Muzinic NR, Culic VC, Bozic J, Kurir TT, Ferhatovic L, Puljak L, Markotić A. Renal distribution of ganglioside GM3 in rat models of types 1 and 2 diabetes. J Physiol Biochem 2013; 69:727-35 4) Kurir TT, Bozic J, Markotic A, Novak A. New insights in steroid diabetes. Acta Med Croatica 2012; 66: 303-10.

	5) Kurir TT, Božić J, Dragicević D, Ljutić D. Successful treatment of renal artery embolism even forty-eight hours after event. <i>Acta Clin Croat.</i> 2014;53(2):233-6.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	1) Valic M, Giaconi J, Bozic J, Breskovic T, Peros K, Ticinovic Kurir Tina, Valic Z. Teaching physiology: blood pressure and heart rate changes in simulated diving. <i>Period. biol.</i> 2014;116: 185-190.
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Pathobiochemistry of glycosphingolipid antigens
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	Course: Medical Education Skills (University of Split School of Medicine)
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	/
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	Student evaluation: average grade above 4.

First and last name and title of teacher	Prof. Marina Titlic, MD, PhD
The course he/she teaches in the proposed study programme	Neurology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Spinciceva 1, Split 21000, Croatia
Telephone number	00385 21 556 599
E-mail address	marina.titlic@gmail.com
Personal web page	
Year of birth	1965
Scientist ID	234072
Research or art rank, and date of last rank appointment	Scientific adviser, 23.05.2011.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Prof., 16.05.2013.
Area and field of election into research or art rank	Medicine and health
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University hospital Split
Date of employment	1998.
Name of position (professor, researcher, associate teacher, etc.)	Proffesor

Field of research	Neurology
Function	Head of Department of neurology
INFORMATION ON EDUCATION – Highest degree earned	
Degree	Neurologist
Institution	School of Medicine, University of Split
Place	Split
Date	
INFORMATION ON ADDITIONAL TRAINING	
Year	1998-2001.
Place	Split-Zagreb
Institution	University Hospital Zagreb
Field of training	Neurology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	neurology
Authorship of university/faculty textbooks in the field of the course	2
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1. Kosicek M, Kirsch S, Bene R, Trkanjec Z, Titlic M, Bindila L, Peter-Katalinic J, Hecimovic S. Non-HPLC-MS analysis of phospholipids in cerebrospinal fluid of Alzheimer's disease patients-a pilot study. Anal Bioanal Chem 2010;398(7-8):2929-37. 2. Dikanovic M, Demarin V, Kadojic D, Kadojic M, Trkanjec Z, Titlic M, Bitunjac M, Soldo-Butkovic S. Effect of elevated catecholamine levels on cerebral hemodynamics in patients with chronic post-traumatic stress disorder. Coll Antropol 2011; 35 (2):471-5. 3. Rogosic V, Bojic L, Rogosic LV, Titlic M, Lesin M, Kovacic Z, Poljak K, Duplancic D. Importance of circulating platelet aggregates and haemodynamic changes in ophthalmic artery and progression of visual field loss at pseudoexfoliation glaucoma. Coll Antropol 2011;35 (2):477-82. 4. Lusic I, Dzamonja G, Titlic M, Bilic I, Sodici L, Lusic L, Filipovic-Grcic P. Psychometric validation of the Croatian version of the Quality of life in epilepsy inventory (QOLIE-31). Coll Antropol 2011;35(4):1177-84. 5. Malnar M, Kosicek M, Bene R, Petek Tarnik I, Pavelin S, Babic I, Brajenovic-Milic B, Hecimovic H, Titlic M, Trkanjec Z, Demarin V, Hecimovic S. Use of cerebrospinal fluid biomarker analysis for improving Alzheimer's disease

	<p>diagnosis in a non-specified setting. Acta Neurobiol Exp 2012;72:1-8.</p> <p>6. Pavelin S, Becic K, Forempoher G, Mrklić I, Pogorelić Z, Titlic M, Andelinovic S. Expression of Ki-67 and p53 in meningiomas. Neoplasma 2013;60(5):480-5.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	<p>SCO/BIA-2093-207 – Efficacy and safety of eslicarbazepine acetate (BIA 2-093) as therapy for patients with post-herpetic neuralgia: a double-blind, double-dummy, randomised, placebo-controlled, parallel-group, multicentre clinical trial. – principle investigator</p> <p>SCO/BIA-2093-210 – Efficacy and safety of eslicarbazepine acetate as therapy in patients with fibromyalgia: a double-blind, randomised, placebo-controlled, parallel-group, multicentre clinical trial.- principle investigator (out of Republic Croatia)</p> <p>SCO/BIA-2093-401 – Safety and efficacy of eslicarbazepine acetate (ESL) as adjunctive therapy for partial seizures in elderly patients. – principle investigator</p> <p>SCO/BIA-91067-301 – Efficacy and safety of BIA 9.1067 in idiopathic Parkinson's disease patients with "wearing-off" phenomenon treated with levodopa plus a dopa decarboxylase inhibitor (DDCI): a double-blind, randomized, placebo- and active- controlled, parallel-group, multicenter clinical study.- principle investigator</p> <p>Pfizer – A randomized, double-blind, placebo-controlled, parallel group, multi-center trial of prebagaline controlled release formulation as adjunctive therapy in adults with partial onset seizures.- principle investigator</p> <p>Lupin Limited. LRP/LND101001/2013/001 – A Randomized, Double-blind, Placebo –controlled, Parallel Group, Comparative, Multicenter, Phase 2 Clinical Study to Evaluate Efficacy and Safety of Two Doses of LND101001 Monotherapy in Patients with Mild to Moderate Alzheimer's Disease. – principle investigator.</p> <p>Roche Polska Sp.oz.o. – Phase III, multicenter, randomized, double-blind, placebo-controlled, parallel-group, efficacy and safety study of crenezumab in patients with mild Alzheimer's disease, protocol No. BN29552/BN29553. – principle investigator.</p>
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	Neurology
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Danilo Daniel Hodoba, MD, PhD
The course he/she teaches in the proposed study programme	
GENERAL INFORMATION ON COURSE TEACHER	
Address	Klinika za psihijatriju Vrapče Bolnička 32
Telephone number	+385 1 37 80 796
E-mail address	danilo.hodoba@bolnica-vrapce.hr
Personal web page	
Year of birth	1951
Scientist ID	
Research or art rank, and date of last rank appointment	
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	
Area and field of election into research or art rank	
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University Psychiatric Hospital Vrapce , Zagreb ,Croatia
Date of employment	1992
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Psychiatry
Function	Head of Psychophysiology department and Department of Organic Mental Diseases with Sleep-Wake Disorders Center (University Psychiatric Hospital Vrapce, Zagreb,Croatia), last four years mandate since January,2012
INFORMATION ON EDUCATION – Highest degree earned	
Degree	Specialization in psychiatry
Institution	School of Medicine, University Zagreb
Place	Zagreb
Date	1978-1981
INFORMATION ON ADDITIONAL TRAINING	
Year	1996, 2002
Place	Boston
Institution	Harvard Medical School, Boston-Cambridge
Field of training	Temporary attendance CME Harvard Medical School, Boston-Cambridge MA: Sleep disorders
Year	1998, 2003
Place	
Institution	
Field of training	Psychopharmacology
Year	1999

Place	
Institution	
Field of training	Psychiatry: A Comprehensive Update and Board Preparation
Year	2001
Place	
Institution	
Field of training	Neurology of Behavior
Year	2001, 2007
Place	
Institution	
Field of training	Neuroimaging and Clinical MRI
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	/
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	/
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p>1993-2014 Lecturer at the Department of Psychology, University of Zagreb (Collegium "Psycho-physiology of sleep")</p> <p>2004-2009.</p> <p>Doctoral study, Lecturer at the Medical School, Univ. Zgb. (Collegium "Psychophysiology of sleep")</p> <p>Number of sponsored topic lectures for Pharmacological Industry in a field of Psychiatry, Epilepsy, Sleep-Wake disorders</p> <p>Launch lectures at first appearance of new hypnotics in Croatia (zolpidem, zaleplon) or antidepressants dealing with sleep-wake cycle (agomelatin)</p>
Authorship of university/faculty textbooks in the field of the course	Hodoba D. Disorders of sleep and wakefulness. In T. Frančisković and Lj.Moro, Textbook of Psychiatry pp333-353, Medicinska naklada Zagreb, 2009.
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1. Hodoba D. Paradoxical sleep facilitation by interictal epileptic activity of right temporal origin. Biol Psychiatry 1986;21:1267-78. 2. Duerrigl V, Folnegovic-Smalc V, Hodoba D, Mestrovic B, Takac Z. Effects of lithium carbonate on the clinical picture and the sleep of depressive patients. Eur Neurology 1986;25 (suppl 2):71-74. 3. Hodoba D. Evidence from epileptic patients on the role of right hemisphere in REM sleep. Neurol Croatica 1992;41:99-116. 4. Hodoba D. Chewing can relieve sleepiness in night of sleep deprivation. Sleep Research Online 1999;2:101-105. 5. Hodoba D, Hrabric K, Krmpotic P, Brecic P, Kujundzic-Tiljak M, Majdancic Z. Dream recall after night awakenings from tonic/phasic REM sleep. Coll Antropol 2008; 32 (suppl 1):69-73. 6. Hodoba D. (Development of sleep medicine in Croatia. Liječnicki vjesnik 2008;130(3-4):106.

	<ol style="list-style-type: none"> 7. Halasz P, Cramer JA, Hodoba D, Czionkowska A, Guekht A, Maia J, Almeida L, Soares-da-Silva P. Long term efficacy and safety of eslicarbamazepine acetate: Results of a 1-year open-label extension study in partial onset seizures in adults with epilepsy. 2010; 51(10):1963-9. 8. Hodoba D, Schmidt D. Biperidin for treatment of somnambulism in adolescent and adults with or without epilepsy: Clinical observations. Epilepsy and Behavior 2012;25:517-528. 9. Hodoba D, Santic AM, Schmidt D. Adjunctive Madopar for ultrarefractory epilepsy? Preliminary observations. Epilepsy and Behavior 2013;28:201-202. 10. Cramer J, Elger C, Halasz P, Hodoba D, Czlonowska A, Maia J, Almeida L, Soares-da-Silva P. Improvement in quality-of- life and depressivesymptoms durring long-term treatment with eslicarbazepine acetate:bia-2013-301 study. J Neurol Neurosurg Psychiatry 2013 Nov 84(11):e2.doi:10.1136/junp-2013-306573.93
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Clinical trials: 2004-6. Efficacy and safety of BIA 2-093 as adjunctive therapy for refractory partial seizures in double-blind randomized placebo-controlled parallel groups, multicentric clinical trial (site pricipal investigator) 1986. Moclobemid -clinical trial: international sleep studies (investigator) 1985. Lithium carbonate in depressive patients- sleep study (investigator)
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Assoc. Prof. Dirk Pevernagie, MD, PhD
The course he/she teaches in the proposed study programme	Sleep medicine / Sleep apnea
GENERAL INFORMATION ON COURSE TEACHER	
Address	Sterkselseweg 65, 5591 VE Heeze, Netherlands
Telephone number	+31 6 515 79 677
E-mail address	Dirk.Pevernagie@UGent.be
Personal web page	-
Year of birth	1958
Scientist ID	-
Research or art rank, and date of last rank appointment	Associate Professor
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	-
Area and field of election into research or art rank	-
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	(1) Kempenhaeghe (2) Ghent University
Date of employment	(1) November 1, 2007 (2) October 1, 2000
Name of position (professor, researcher, associate teacher, etc.)	Associate Professor (Dpt Internal Medicine, UGent, Belgium)
Field of research	Sleep
Function	-
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD (Doctor in biomedical sciences)
Institution	Ghent University
Place	Gent, Belgium
Date	1994
INFORMATION ON ADDITIONAL TRAINING	
Year	-
Place	-
Institution	-
Field of training	-
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Dutch
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	French 3
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	German 2
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Organiser of and speaker in different Sleep Medicine Courses and Symposia
Authorship of university/faculty textbooks in the field of the course	See: https://biblio.ugent.be/publication?q=pevernagie

Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	idem
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	Idem
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Education in Sleep Medicine Head of a Sleep Medicine Centre
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	-
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	-
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	-

First and last name and title of teacher	Assoc. Prof. Leja Dolenc Groselj MD, PhD
The course he/she teaches in the proposed study programme	Sleep medicine
GENERAL INFORMATION ON COURSE TEACHER	
Address	Zaloska 7, 1000 Ljubljana, Slovenia
Telephone number	00 386 01 522 15 22
E-mail address	leja.dolenc@kclj.si
Personal web page	http://www2.kclj.si/ikn/
Year of birth	1968
Scientist ID	ARRS: 15400
Research or art rank, and date of last rank appointment	
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	
Area and field of election into research or art rank	
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	Institute of Clinical Neurophysiology, University medical centre, Ljubljana, Slovenia
Date of employment	from 1995 on
Name of position (professor, researcher, associate teacher, etc.)	associate professor
Field of research	neurology, clinical neurophysiology, sleep medicine

Function	Head of Neurophysiological diagnostic, Head of the Sleep Centre
INFORMATION ON EDUCATION – Highest degree earned	
Degree	assoc. prof., MD, PhD, EU expert of sleep medicine (ESRS)
Institution	Institute of Clinical Neurophysiology, University medical centre, Ljubljana, Slovenia
Place	
Date	
INFORMATION ON ADDITIONAL TRAINING	
Year	
Place	
Institution	
Field of training	
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	slovene
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	english (5)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	french (4-5)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Alpine sleep summer school (Lugano, Ljubljana) Postgraduate course of EEG (Ljubljana, Zagreb) Postgraduate course of EMG (Ljubljana) Middle European Interdisciplinary Master Programme in Cognitive Science (Ljubljana) PhD course of sleep disorders (Zagreb, Ljubljana) Neurology lectures, Medicine student, Erasmus student
Authorship of university/faculty textbooks in the field of the course	Faculty textbook: Basics of polysomnography, 2013 Mala sola nevrologije-motnje spanja, 2015
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	Genetic analysis of amyotrophic lateral sclerosis in the Slovenian population. Vrabec K, Koritnik B, Leonardis L, Dolenc-Grošelj L, Zidar J, Smith B, Vance C, Shaw C, Rogelj B, Glavač D, Ravnik-Glavač M. Neurobiol Aging. 2015 Mar;36(3):1601.e17-20. doi: 10.1016/j.neurobiolaging.2014.11.011. Epub 2014 Dec 18. eAMI: A Qualitative Quantification of Periodic Breathing Based on Amplitude of Oscillations. Tellez HF, Pattyn N, Mairesse O, Dolenc-Grošelj L, Eiken O, Mekjavic IB, Migeotte PF, Macdonald-Nethercott E, Meeusen R, Neyt X. Sleep. 2015 Mar 1;38(3):381-9. doi: 10.5665/sleep.4494. Sleep magnetic resonance imaging with electroencephalogram in obstructive sleep apnea syndrome. Kavcic P, Koren A, Koritnik B, Fajdiga I, Dolenc Groselj L. Laryngoscope. 2014 Dec 15. doi: 10.1002/lary.25085. [Epub ahead of print] Sleep and breathing disorders in myotonic dystrophy type 2. Leonardis L, Blagus R, Dolenc Groselj L. Acta Neurol Scand. 2014 Dec 11. doi: 10.1111/ane.12355. [Epub ahead of print]

	<p>The separate and combined effects of hypoxia and sustained recumbency/inactivity on sleep architecture. Rojc B, Morrison SA, Eiken O, Mekjavic IB, Dolenc-Grošelj L. Eur J Appl Physiol. 2014 Sep;114(9):1973-81. doi: 10.1007/s00421-014-2909-7. Epub 2014 Jun 12.</p> <p>Non-invasive positive-pressure ventilation in patients with amyotrophic lateral sclerosis: spinal versus bulbar form. Leonardis L, Dolenc Grošelj L. Eur J Neurol. 2013 May;20(5):e66. doi: 10.1111/ene.12105. No abstract available.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	<p>Factors related to respiration influencing survival and respiratory function in patients with amyotrophic lateral sclerosis: a retrospective study. Leonardis L, Dolenc Grošelj L, Vidmar G. Eur J Neurol. 2012 Dec;19(12):1518-24. doi: 10.1111/j.1468-1331.2012.03754.x. Epub 2012 May 18.</p> <p>The impact of sleep deprivation and nighttime light exposure on clock gene expression in humans. Kavcic P, Rojc B, Dolenc-Grošelj L, Claustrat B, Fujs K, Poljak M. Croat Med J. 2011 Oct 15;52(5):594-603.</p> <p>Sleep apnea and snoring. Kavcic P, Koren A, Koritnik B, Groselj LD. Neurology. 2013 Aug 13;81(7):691. doi: 10.1212/WNL.0b013e3182a08d6a.</p> <p>CT comparison of primary snoring and obstructive sleep apnea syndrome: role of pharyngeal narrowing ratio and soft palate-tongue contact in awake patient. Koren A, Groselj LD, Fajdiga I. Eur Arch Otorhinolaryngol. 2009 May;266(5):727-34. doi: 10.1007/s00405-008-0800-z.</p>
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>ARRS Projekt J3-5502 Napake v regulaciji izražanja TDP-43 pri amiotrofični lateralni sklerozi in frontotemporalni lobarni degeneraciji 1.8.2013—31.7.2016</p> <p>ARRS Projekt J3—4330 Živčni nadzor in nevrološke motnje dihanja 1.7.2011—30.6.2014</p> <p>Evropski projekt: FP7-Space PLANETARY HABITAT SIMULATION: PlanHab, Project funded by the European Commission as part of the Seventh Framework</p>
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	<p>European sleep expert (ESRS) Assoc. Prof. of Neurology, University of Ljubljana, Medical School</p>
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Prof. Søren Berg, MD, PhD
The course he/she teaches in the proposed study programme	Sleep Medicine, Surgery
GENERAL INFORMATION ON COURSE TEACHER	
Address	Möllevångstorget 7, 21424 Malmö, Sweden
Telephone number	+45 28688887
E-mail address	sb@bergshallan.dk
Personal web page	
Year of birth	1956
Scientist ID	
Research or art rank, and date of last rank appointment	Associate professor, 2006
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	
Area and field of election into research or art rank	
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Lund, Sweden
Date of employment	1996
Name of position (professor, researcher, associate teacher, etc.)	Senior medical consultant, professor
Field of research	Sleep Medicine
Function	
INFORMATION ON EDUCATION – Highest degree earned	
Degree	DMSc
Institution	University of Lund
Place	
Date	1996
INFORMATION ON ADDITIONAL TRAINING	
Year	
Place	
Institution	
Field of training	
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Danish
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Swedish(5) Norwegian(5) English(5) German(4) French (3)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme)	Hundreds of lectures on educational courses, conferences etc. all over the world...

where it is/was offered, and level of study programme)	
Authorship of university/faculty textbooks in the field of the course	ENT-books in Sweden and Norway
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	Please see Pub-Med. Look for Berg, Soren
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?-pedagoške kompetencije?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	Several over the many years...
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Prof. Florin Dumitru Mihaltan MD, PhD
The course he/she teaches in the proposed study programme	Competency in somnology module I and II started in 2013 Course of lung failure and smoking cessation 2000 started
GENERAL INFORMATION ON COURSE TEACHER	
Address	București, Șos. Viilor nr. 90, sector 5, Romania
Telephone number	(+4) 0744834095
E-mail address	mihaltan@starnets.ro
Personal web page	-
Year of birth	1954
Scientist ID	
Research or art rank, and date of last rank appointment	Professor, 2008
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Different courses of training in somnology , ventilation,smoking cessation
Area and field of election into research or art rank	Pneumology-COPD and asthma,tobacco cessation, somnology

INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	Universitatea de Medicină și Farmacie „Carol Davila”, București
Date of employment	2008
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Pneumology
Function	Professor
INFORMATION ON EDUCATION – Highest degree earned	
Degree	Doctor of Medicine
Institution	Universitatea de Medicină și Farmacie „Carol Davila”, București
Place	București, Romania
Date	1992
INFORMATION ON ADDITIONAL TRAINING	
Year	1993
Place	Chisinau
Institution	L'UNION MEDICALE BALKANIQUE (U.M.B.)
Field of training	Le XXI-e Cours Internationaux de Perfectionnement
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Romanian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	French 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	German 4
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p>1996 first lab of somnology in the country</p> <p>First books on diseases of sleep in romanina language -2002</p> <p>2002 - Organisation of the first symposium of "sleep apnea" in the country-Timișoara</p> <p>2011 - Postgraduate Course Organizator- Sleep-disorders diagnosis and therapy in multidisciplinary context - news presentation in the field</p> <p>2011 – National Coordinator of the certification programme in sleep - Health Minister Order 120/2011</p> <p>2012 – 2015 National Coordinator for Sleep Competence - General, clinical and therapeutic management of respiratory disorders during sleep</p>
Authorship of university/faculty textbooks in the field of the course	<p>Fl.Mihălțan-Apnee de somn,o cauză mai puțin obișnuită de hipertensiune pulmonară Fl.Mihălțan, O.Deleanu, R.Ulmeanu, A.Macri-Determinări traheo-bronșice în bolile pulmonare rare-268-286,26 cm în:Actualități în endoscopia toracică diagnostică și terapeutică-Ed. Universitară C. Davila București 2009, ISBN 978-973-708-405-7,p.458,</p> <p>Fl.Mihălțan, Oana –Tulburări respiratorii în timpul somnului,p.303-307,A4,în:Tratat de Reabilitare Pulmonară (Voicu Tudorache, Sînziana Lovin, Marlyce Friesen)-</p>

	<p>Ed.Mirton Timișoara ISBN 978-973-52-0574-4, 2009, p.486, A4</p> <p>Stefan Mihăicuță, Marc Krueger, Daniel Lighezan, Yoltan Szakacs, Oana Deleanu, Fl.Mihălțan, Doina Todea, Daniela Boisteanu, Dan Gaiță, Diana Krohn, Daniela Reisz, Stefan Frent, Marc Monica, Mihaela Oros, Adina Avram, Voicu Tudorache, Stefan Dumitrache Rujinski- Curs practic de SOMNOGRAFIE, Editura Victor Babeș, Timișoara 2010, ISBN 978-606-8054-16-2, p.152, 21 cm</p> <p>Stefan Mihaicuta, Zoran Dogas, Jurgen Fischer, Claudio Bassetti, Fl.Mihălțan, Marc Kruger sicolab.-Sleep medicine in central –eastern Europe 2011, ISBN 978-606-8054-68-1</p>
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>Fl.Mihălțan. Somnologia românească incotro? Romanian Journal of Pediatric Sleep Medicine 2014, 1, 16.</p> <p>Fl.Mihălțan, Elena Jeler – Bird eye view of Romanian Sleep Apnoea obstructive syndrome in the obese Romanian population. Sleep Medicine 2015, 92.</p> <p>Oana Deleanu, Andra Malaut, Anca Donoica, Oana Arghir, Fl.Mihălțan-The Effect of Long Term CPAP Treatment on Blood Pressure in Patients With Obstructive Sleep Apnea Syndrome and Hypertension - Sphygmomanometer Measurement Versus Ambulatory Blood Pressure Monitoring. Chest 2013; 144:,4994A.</p> <p>Fl.Mihălțan-Somnologia romaneasca intre progrese si limite-Foaie de informare medicala aprilie 2013, nr 44, ISSN 2066-6659, p 2-6</p> <p>O.Deleanu, Ș. Mihăicuță, Fl.Mihălțan, P. Peigneaux, R. Amici, I. Grotte, M.Goncalves- Wake up Bus study – Romanian results: Why we need an European study concerning sleepiness at the wheel and road traffic accidents- European Respiratory Society . 2014, 1, p.162</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	<p>F.Mihaltan-The Romanian experience in organising the COPD Day-Medicina Thoracalis 2012, LXV, 3, 185</p> <p>F.Mihaltan COPD in Romania between dilemmas and solutions-The 3 rd Romanian Hungarian Conference of Pneumology –Acta medica Marisiensis ISSN –L 2068-3324, p.6</p> <p>I Munteanu, F D Mihaltan -Are smoking cardiologists interested in smoking cessation? Tobacco and Non Communicable Diseases 16th Tobacco or Health Abu Dhabi 17-21 martie 2015 PD-777-19 –p.108</p> <p>Mihaltan FD, Antoniu SA, Ulmeanu R. Asthma and pregnancy: therapeutic challenges. <i>Arch Gynecol Obstet.</i> 2014;. DOI 10.1007/s00404-014-3342-1 PubMedID: 25033716, ISSN 0932-0067</p> <p>Sabina Antoniu, Florin Mihaltan-Outcome measures for palliative oxygen therapy:relevance and practical utility-Expert Reviews 2014, early online 1-7, ISSN 1473-7167</p> <p>Ioana Munteanu, Florin Mihaltan-Second Hand Smoking and CV Risk-Curr.Treat Options Cardio Med.2014, 16, 348, DOI 10.1007/s1936-014-0348-8</p>

Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Project of e learning with EU funds 2011-2013 on 8 topics including somnology-coordinator
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	University Professor - Department of Pneumology, University of Medicine Chief of a new pneumology departement of the University C. Davila of Bucharest -2015-2016
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	Diploma of honor for his activity in education and health service in Romania offered by National College "Carol Davila", 2004 Award for innovation and communication in healthcare-place I-Health Gala 2012 Order of Sanitary merit in rank of Chevalier (Decree No. 419 of 6 April 2010) Audience Award for "Best communicator doctor" GALA Medica Sixth Edition, Elizabeth Theatre June 25, 2014
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	All the students and masters in somnology prepared obtain a maximum of apreciation and note on grading scale and course evaluations

First and last name and title of teacher	Assist. Prof. Stefan Mihaicuta, MD, PhD
The course he/she teaches in the proposed study programme	3. Clinical picture and diagnosis Obstructive sleep-disordered breathing Central sleep apnea (including eucapnic and hypercapnic CSA, Cheyne–Stokes respiration and 'complex sleep apnea') Hypoventilation during sleep Differential diagnosis Sleep-disordered breathing in children Diagnostic value of polygraphy and polysomnography Special conditions (stroke, hypothyroidism, acromegaly, etc.) 4. Comorbidities Hypertension Cardiac failure Stroke and other brain disorders Respiratory comorbidities [asthma, chronic obstructive pulmonary disease (COPD), other lung diseases, chest wall and neuromuscular diseases] Metabolic syndrome Proinflammatory conditions
GENERAL INFORMATION ON COURSE TEACHER	
Address	TIMISOARA, STR. G. ADAM 13, 300120, TIMIS, ROMANIA

Telephone number	+40744867743
E-mail address	stefan.mihaicuta@umft.ro
Personal web page	
Year of birth	02 DEC 1964
Scientist ID	
Research or art rank, and date of last rank appointment	
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	
Area and field of election into research or art rank	
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	UNIVERSITY OF MEDICINE AND PHARMACY DR. V. BABES TIMISOARA, ROMANIA
Date of employment	1 JUN 1996
Name of position (professor, researcher, associate teacher, etc.)	LECTURER PROFESSOR
Field of research	RESPIRATORY MEDICINE, SLEEP MEDICINE
Function	LECTURER PROFESSOR
INFORMATION ON EDUCATION – Highest degree earned	
Degree	MD,
Institution	TIMISOARA INSTITUTE OF MEDICINE
Place	TIMISOARA
Date	JUN 1990
INFORMATION ON ADDITIONAL TRAINING	
Year	PhD
Place	TIMISOARA
Institution	UNIVERSITY OF MEDICINE AND PHARMACY
Field of training	SOMNOLOGY
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	ROMANIAN
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	ENGLISH 4 FRENCH 3
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	RESPIRATORY MEDICINE, GRADUATE MEDICAL STUDENTS, YEARLY, SLEEP APNEA GRADUAL MEDICAL STUDENTS AND POSTGRAGADUATE MD RESIDENTS IN TRAINING IN PULMONOLOGY
Authorship of university/faculty textbooks in the field of the course	RESPIRATORY DISEASES
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	„What is new in the interpretation of polisomnography after the revised manual for sleep staging?” Oana –C. Deleanu, F. D. Mihaltan, Daniela Reisz, V. Tudorache, Stefan Mihaicuta, in Pneumologia vol 60 nr 1/2011, pag 14-20, ISSN 2067-2993, 2. Standard procedures for adults in accredited sleep

	<p>medicine centres in Europe, FISCHER J , DOGAS Z , BASSETTI CL , BERG S , GROTE L , JENNUM P , LEVY P , MIHAICUTA S, NOBILI L , RIEMANN D , PUERTAS CUESTA FJ , RASCHKE F , SKENE DJ, STANLEY N, PEVERNAGIE D, in Journal of Sleep Research, Idoi: 10.1111/j.1365-2869.2011.00987.x</p> <p>3. Sleep apnea syndrome- factor for resistance in systemic hypertension, Stefan Frent, Voicu Tudorache, Carmen Ardelean, Diana Dimitriu, Daniel Lighezan, Dan Gaita, Stefan Mihaicuta, Pneumologia vol. 60, nr. 4, 2011, p 202-207 ISSN 2067-2993,</p> <p>4. Overlap Syndrom is a combination of obstructive sleep apnea syndrom and chronic pulmonary disease, Jurgen Fisher, Stefan Mihaicuta, in Exigenta si excelenta in BPOC, Editura Estfalia 2011, Bucuresti, ISBN 978-606-8284-01-9,</p> <p>5. STATISTICAL CONFIRMATION OF INTUITIVE ASSUMPTIONS IN SLEEP APNEA SYNDROME, Izabella-Anita TOTH, Sorin-Bogdan PARALESCU Stefan MIHAICUTA, in Proceedings of the XIIIth Conference on Mathematics and its Applications, University "Politehnica" of Timisoara, November, 1-3, 2012</p> <p>6. EXCESSIVE DAYTIME SOMNOLENCE AS A PREDICTOR FOR SLEEP APNEA SYNDROME –A MULTIVARIATE ANALYSIS, Stefan MIHAICUTA, Carmen ARDELEAN, Sorin URSONIU, Stefan FRENT, in Journal of Cognitive and Behavioral Psychotherapies, J COGN BEHAV PSYCHOT Vol. 13, No. 1a, July 2013, 183-195, ISSN 1584-7101,</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	<p>1.Sleep Medicine in Central-Eastern Europe 2011. Editors: Stefan Mihaicuta, Zoran Dogas, Jurgen Fischer, Editura Victor Babes Timisoara 2012, ISBN 978-606-8054-68-1.</p> <p>2. Prediction of Systemic Hypertension in Patients with Sleep Apnea Syndrome, Stefan Frent, Stefan Mihaicuta , Voicu Tudorache. Exp Clin Cardiol Vol 20 Issue 8, pages 2841-2848, 2014, Experimental & Clinical Cardiology</p>
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>1.Clinical picture and diagnosis- St Mihaicuta, L. Grote in Sleep Medicine Textbook, Editors – in Chief: Claudio Bassetti, Zoran Dogas, Philippe Peigneux, pag 233-250, European Sleep Research Society 2014, ISBN 9781119038931.</p> <p>2. AER Score: A Social-Network-Inspired Predictor for Sleep Apnea Syndrome, Mihai Udrescu, PhD; Alexandru Topirceanu, BS; Razvan Avram, BS; Stefan Mihaicuta, MD, Chest. 2014;145(3_MeetingAbstracts):609A. doi:10.1378/chest.1824353 , CHEST Journal, Print ISSN: 0012-3692, Online ISSN: 1931-3543, Impact Factor: 5.854</p> <p>3.Neck Circumference Sensitivity and Specificity to Predict Obstructive Sleep Apnea Syndrome , Stefan Mihaicuta, MD; Izabella Anita Toth, BS; Sorin Paralescu, MD Chest. 2014;145(3_MeetingAbstracts):588A. doi:10.1378/chest.1824321 CHEST Journal, Print ISSN: 0012-3692, Online ISSN: 1931-3543, Impact Factor: 5.854</p> <p>4.Independent Predictors for Sleep Apnea Syndrome in a Clinical Prediction Model , Izabella Anita Toth, BS; Sorin Paralescu, MD; Stefan Mihaicuta, MD, Chest. 2014;145(3_MeetingAbstracts):587A.</p>

	doi:10.1378/chest.1824341 , CHEST Journal, Print ISSN: 0012-3692, Online ISSN: 1931-3543, Impact Factor: 5.854 5.Epworth Sleepiness Score Contribution At A Network-Based Approach To Sleep Apnea Syndrome, [Publication Page: A3596], S.D. Mihaicuta, R. Avram, A. Topirceanu, F. Mihaltan, M. Udrescu in American Journal of Respiratory and Critical Care Medicine, 10.1164/ajrccm,
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	1. Atestat of complementary studies in somnology – level I, Seria C Nr 032564, cnf. MS nr CS. A/1588/2011, registration nr. 34484, from 6 nov 2013, Health Minister, . 2. Atestat of complementary studies in somnology – level I+II, Seria C Nr 032570, cnf. MS nr CS. A/1588/2011, registration nr. 34484, from 6 nov 2013, Romanian Health Minister 3. ESRs Examination in Sleep Medicine, conferred the title SOMNOLOGIST- Expert In Sleep Medicine, Certificate nr 089 4. Hands-on Polisomnography: Introduction to PSG, part 1, 10-13h, 8 oct 2014 5. Sleep disorders and respiratory diseases, Media Med Publicis, 2013, ISBN 978-606-8463-05-6
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	Very good

First and last name and title of teacher	Assoc. Prof. Zoltan Szakács, MD PhD
The course he/she teaches in the proposed study programme	
GENERAL INFORMATION ON COURSE TEACHER	
Address	2040 Budaörs Mozdony u.42. Hungary
Telephone number	+36209364140
E-mail address	szakacs.zoltan1@upcmail.hu
Personal web page	
Year of birth	30/OCT/1961
Scientist ID	44937
Research or art rank, and date of last rank appointment	
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	habilitation 2013
Area and field of election into research or art rank	
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	Military Hospital – State Health Centre
Date of employment	1988

Name of position (professor, researcher, associate teacher, etc.)	Head of neurological department
Field of research	sleep disorders
Function	teacher with habilitation
INFORMATION ON EDUCATION – Highest degree earned	
Degree	honorary associate professor
Institution	National University of Public Service
Place	Budapest, 9-11, Hungária krt., 1101 Hungary
Date	2007
INFORMATION ON ADDITIONAL TRAINING	
Year	
Place	
Institution	
Field of training	
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Hungarian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 4
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	German 3
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Russian 2
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Central European Advanced Sleep Training Course in Budapest from 2009 every year The aim of this course is to train participants on how to perform a full Polysomnography with sleep staging and initiate positive airway pressure / non-invasive ventilation treatment for patients with different types of sleep disordered breathing including complex SA and Cheyne-Stokes.
Authorship of university/faculty textbooks in the field of the course	Köves Péter editor: Restless Leg Syndrome and Periodic leg Movement (Springer) 4. Chapter: Szakács Zoltán: Diagnostic methods of Restless Leg Syndrome and Periodic leg Movement 58-82, 2009. Császár Albert Szakács Z.: Obezity(TEVA Magyarország Kft.) 11. Chapter Szakács Zoltán: sleep apnea 211-230, 2011.
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	I. Bernáth, P. McNamara, N. Szternák, Z. Szakács, P. Köves, A. Terray-Horváth, Zs. Vida: Hyperviscosity as a possible cause of positive acoustic evoked potential findings in patients with sleep apnea: A dual electrophysiological and hemorheological study Sleep Medicine 10 (2009) 361-367 Zoltán Szakács, Péter Köves: Screening for the obstructive sleep apnea syndrome among guards in alternating work shifts AARMS vol.4, No.1. (2005) 201-209.

	<p>Bernath., Z. Szakács.: Nonobese military patients at high risk for obstructive sleep apnea syndrome, an unexpected sleep laboratory finding Journal of Sleep Research Volume 19, Supplement 1, September 2010. P680</p> <p>Bernáth I., Szakács Z.: Phasic K wave activity: the marker of sleep instability Sleep Volume 36, Abstract supplement, 2013, 0321</p> <p>Z. Szakacs and M. Gyorfi.: The influence of abdominal fat distribution measured by DEXA on the severity of sleep apnea in postmenopausal women Journal of Sleep Research Volume 23, Supplement 1, September 2014. P881</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	Last year in October 22. was the somnologist examinations procedure in Semmelweis University in Budapest. Chairman of this gremium
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Deleanu Oana Claudia, MD, PhD
The course he/she teaches in the proposed study programme	Masters Degree in Sleep Medicine
GENERAL INFORMATION ON COURSE TEACHER	
Address	Frunte Lata nr. 1, bl P6, ap 28, Bucharest, sector 5, Romania
Telephone number	0040 722 288 767
E-mail address	oanadeleanu@gmail.com
Personal web page	N/A
Year of birth	1974
Scientist ID	
Research or art rank, and date of last rank appointment	PhD, 19.05.2015

Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	university assistant, February 2008
Area and field of election into research or art rank	Pneumology
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Medicine and Pharmacy "Carol Davila", Bucharest (Romania), Institute of Pneumology "Doctor Marius Nasta", Bucharest (Romania)
Date of employment	February 2008 (University of Medicine and Pharmacy "Carol Davila", Bucharest), December 2009 (Institute of Pneumology "Doctor Marius Nasta", Bucharest)
Name of position (professor, researcher, associate teacher, etc.)	university assistant
Field of research	sleep, pneumology
Function	President of the Romanian Sleep Society
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Medicine and Pharmacy "Carol Davila", Bucharest (Romania)
Place	Bucharest
Date	19.05.2015
INFORMATION ON ADDITIONAL TRAINING	
Year	2014 / 2013
Place	Tallin (Estonia) / Bucharest (Romania)
Institution	European Sleep Research Society / Romanian Ministry of Health
Field of training	Certificate of Somnologist - Expert in Sleep Medicine / Romanian Competency in Somnology, level I and level II
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Romanian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Romanian Competency in Somnology, level I and level II, 2013/2014 as a postuniversity course organised by University of Medicine and Pharmacy "Carol Davila", Bucharest (Romania), 2014/2015 as a training organised by Romanian Ministry of Health and also as a postuniversity course organised by University of Medicine and Pharmacy "Carol Davila", Bucharest
Authorship of university/faculty textbooks in the field of the course	No publication in the field related to University Other chapter in textbooks - "Polisomnografia - indicatii, avantaje, limite" [Polysomnography -

	<p>Indications, Advantages, Limits] Fl. Mihaltan, Oana Deleanu, "Somnologie-Note de Curs" [Somnology - Study Notes] sub redactia St. Mihaicuta, editura Mirton Timisoara 2010, pg 54-71, ISBN 978-973-52-0868-4</p> <p>- "Aplicatii practice. Interpretari, cazuri clinice, aparatura" [Practical Applications. Interpretations, Clinical Cases, Equipment] Oana Deleanu, Fl. Mihaltan, Voicu Tudorache, St. D. Mihaicuta, "Somnologie-Note de Curs" [Somnology - Study Notes] sub redactia St. Mihaicuta, editura Mirton Timisoara 2010, pg 93-114, ISBN 978-973-52-0868-4</p> <p>- "Salvarea si scorarea evenimentelor respiratorii inregistrate in timpul poligrafiei" [Saving And Scoring Respiratory Events During The Polygraphy] Oana Deleanu, Ana Nebunoiu, Marius Sirbu, Florin Mihaltan, "Curs Practic de Somnografie" [Practical Somnography Course] colectia Manifestari Stiintifice, editura Victor Babes, Timisoara 2010, pg 47-57, ISBN 978-606-8054-16-2</p> <p>- "Initierea poligrafiei pentru terapie" [Initiation Of Polygraphy For Therapy] Oana Deleanu, Ramona Nedelcu, Claudina Danila, Florin Mihaltan, "Curs Practic de Somnografie" [Practical Somnography Course] colectia Manifestari Stiintifice, editura Victor Babes, Timisoara 2010, pg 93-107, ISBN 978-606-8054-16-2</p> <p>- "Bariatric surgery and obstructive sleep apnea", Oana Deleanu, Ana Nebunoiu, Ruxandra Ulmeanu, Florin Mihaltan, in <i>Sleep Medicine in Central-Eastern Europe 2011</i>, sub redactia Stefan Mihaicuta, Zoran Dogas, Jurgen Fischer, 2011, Editura Victor Babes, ISBN 978-606-8054-68-1</p>
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>- <u>Long-term gender-specific evolution of blood pressure under CPAP therapy in hypertensive patients with obstructive sleep apnea syndrome.</u> Deleanu OC, Mălăuț AE, Donoaița A, Nebunoiu AM, Mihăltan F. <i>Pneumologia</i>. 2014 Oct-Dec;63(4):212-7. , ISSN 2067-2993, revista indexata in "PubMed", CNCSIS B+, cod 483.</p> <p>- <u>"Sindromul de apnee în somn de tip obstructiv și hipertensiunea arterială - o relație complicată? Rolul controlului valorilor tensionale la pacienții cu SASO"</u> [Obstructive sleep apnea syndrome and arterial hypertension--a complicated relationship? The role of controlling blood pressure values in patients with OSAS] - Oana-Claudia Deleanu, Andra Elena Mălăuț, Ana Maria Nebunoiu, Miruna Mihaela Micheu, Florin Dumitru Mihăltan, <i>Pneumologia</i>, vol 63 - nr 1/2014, pg 36-43, ISSN 2067-2993, revista indexata in "PubMed", CNCSIS B+, cod 483.</p> <p>- Ce aduce nou interpretarea polisomnografiei după manualul revizuit de stadializare a somnului la adult? [What's New In Interpreting Polysomnography After Revised Sleep Study Staging In Adults Manual] Oana -C. Deleanu, F. D. Mihaltan, Daniela Reisz, V. Tudorache, Stefan Mihaicuta, in <i>Pneumologia</i> vol 60 nr 1/2011, pag 14-20, ISSN 2067-2993, revista indexata in PubMed, CNCSIS B +, COD 483</p> <p>- "Chirurgia bariatrica si sindromul de apnee in somn" [Bariatric Surgery And Sleep Apnea Syndrome] Fl. Mihaltan, Oana Deleanu, Ruxandra Ulmeanu, <i>Pneumologia</i> vol 59- nr 4/2010, pg 197-200, ISSN 2067-2993, revista indexata in "PubMed", CNCSIS B+, cod 483, PMD 21365801</p> <p>- "Aderența la CPAP - o problemă „eternă”" [CPAP Adherence - an Eternal Problem], Fl. Mihăltan, Oana Deleanu, Ioana Munteanu, Ruxandra Ulmeanu, Roxana Nemeș, Mihaela Oros; <i>Pneumologia</i> vol. 61, nr. 2, 2012, pg 108-112, ISSN 2067-2993, revista indexata in PubMed, CNCSIS B +, COD 483</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	NO

Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>- Project co-financed from the European Social Fund "Quality in pneumology medical services through life long professional training and organizational flexibility" – Sectoral Operational Program, Human Resources Development 2007-2013, no. POSDRU/81/3.2/S/58451 - Expert for Course" New Tehniques in NonInvazive Ventilation"</p> <p>- Partnerships in Priority Areas Program (project no.61-033/14.09.2007): "Complex studies of therapeutic alternatives (including prosthetics prototypes) for patients with respiratory disorders during sleep, in order to improve quality of life and socio – professional rehabilitation (SASPROT)"– Contract for financing the implementation of projects no. 61-033/31.09.2007</p>
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	N/A
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	N/A

First and last name and title of teacher	Assist. Prof. Rozi Andrečić Waldowski, PhD
The course he/she teaches in the proposed study programme	Sleep Medicine
GENERAL INFORMATION ON COURSE TEACHER	
Address	Department of Biotechnology, University of Rijeka, R. Matejčić 2, 51000 RIjeka
Telephone number	051 584 553
E-mail address	randretic@uniri.hr
Personal web page	Under construction
Year of birth	04.02.1963.
Scientist ID	293665
Research or art rank, and date of last rank appointment	Dr. sc., znanstveni suradnik
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Assistant Professor
Area and field of election into research or art rank	psychology
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Rijeka, Department of Blotechnology
Date of employment	Oct. 2010.

Name of position (professor, researcher, associate teacher, etc.)	Assistant Professor
Field of research	Behavioral genetics
Function	Laboratory head
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	Department of Biology, University of Virginia
Place	Charlottesville, VA, USA
Date	Aug. 2000
INFORMATION ON ADDITIONAL TRAINING	
Year	1985, undergraduate degree
Place	Rijeka, Croatia
Institution	University of Rijeka, Department of psychology
Field of training	Psychology
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English (5)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Italian (3)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	„Drosophila as a model organism in neuroscience“, organizer and lecturer, elective course, for undergraduate and master degree, Department of Biotechnology, UnRi „Behavioral genetics“, organizer and lecturer, elective course, for undergraduate and master degree, Department of Biotechnology and Department of Psychology, UnRi „Measuring Sleep and Arousal in Drosophila“, guest lecturer, Doctoral Course in Biology, National Center for Biological Sciences, Bangalore, India, 2014. „Sleep genetics“, Lecturer, Training in Sleep Research and Sleep Medicine, EU Marie Curie - PENS Training Programme, Bertinoro, Italy, 2009.
Authorship of university/faculty textbooks in the field of the course	None
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	I had 3 years (2009-2012) leave of absence 1. „Dopamine in Drosophila: setting arousal in a miniature brain“, van Swinderen B. Andretic R., Proc Biol Sci. 2011 Mar 22;278(1707):906-13. 2. „Caffeine modulates dDA1 dopamine receptor to promote arousal in Drosophila“, Andretic R., Kim Y-C, Jones F.S., Han K-A and Greenspan R.J., PNAS, 2008, 105(51);20392-7. 3. „Genetics of Sleep“, R.Andretic, P.Franken and M. Tafti, Annual Reviews in Genetics, 2008, 42; 261-388.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	None

Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	Defining the role of circadian genes in the behavioral sensitization to psychostimulants in <i>Drosophila</i> , principal investigator, HRZZ, 2014-2017. Projekt razvoja karijera mladih istraživača - izobrazba novih doktora znanosti, voditelj, HRZZ, 2014-2017. Defining the role of circadian genes in the behavioral sensitization to psychostimulants in <i>Drosophila</i> , principal investigator, Sveučilišna potpora UnRI, 2014. i 2015.
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	Undergraduate degree in psychology. Completed courses: Opća pedagogija, Didaktika, Sociologija odgoja i obrazovanja, Pedagoška psihologija, Psihologija u školsko i izvanškolsko vrijeme
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	None
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	Evaluacija kvalitete nastavnog procesa i rada nastavnika, MZOS, Course „ <i>Drosophila</i> as a model organism in neuroscience“, school year 2012/13., average grade 3.7 on 1 to 5 grading scale

First and last name and title of teacher	Assoc. Prof. Ludger Grote, MD, PhD
The course he/she teaches in the proposed study programme	
GENERAL INFORMATION ON COURSE TEACHER	
Address	Sahlgrenska University Hospital, Sleep disorder center SE-413 45 Gothenburg, Sweden
Telephone number	
E-mail address	ludger.grote@lungall.gu.se
Personal web page	
Year of birth	1964
Scientist ID	
Research or art rank, and date of last rank appointment	PhD thesis at the Medical Faculty, University of Gothenburg, Sweden, 2001
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Associate Professor at the Sahlgrenska Academy, Gothenburg, 2003
Area and field of election into research or art rank	Experimental Pulmonary Medicine
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	Sleep Medicine Center, Sahlgrenska University Hospital
Date of employment	2014
Name of position (professor, researcher, associate teacher, etc.)	Medical director
Field of research	Sleep Medicine
Function	Medical director
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD

Institution	Medical Faculty, University of Gothenburg, Sweden
Place	Gothenburg, Sweden
Date	2001
INFORMATION ON ADDITIONAL TRAINING	
Year	1998-1999
Place	Gothenburg
Institution	Sahlgrenska University Hospital, Dept. of Pulmonary Medicine
Field of training	Pulmonary Medicine
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	German
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Swedish
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p>Sahlgrenska Academy, Gothenburg University (part of the curriculum):</p> <ul style="list-style-type: none"> - Physiology for Biomedical Scientists: Respiration and inflammation (from 2011) - Physicians: Sleep and lifestyle (since 2011) - Physicians: Sleep disordered breathing (since 2006) - Nurses: Sleep disordered breathing in cardiovascular disease Sleep disordered breathing in pulmonary disease (since 2008)
Authorship of university/faculty textbooks in the field of the course	
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>1: Gonçalves M, Amici R, Lucas R, Åkerstedt T, Cirignotta F, Horne J, Léger D, McNicholas WT, Partinen M, Téran-Santos J, Peigneux P, Grote L. Sleepiness at the wheel across Europe: a survey of 19 countries. J Sleep Res. 2015 Jan 12. doi: 10.1111/jsr.12267.</p> <p>2: Karimi M, Hedner J, Häbel H, Nerman O, Grote L. Sleep apnea-related risk of motor vehicle accidents is reduced by continuous positive airway pressure: Swedish Traffic Accident Registry data. Sleep. 2015 Mar 1;38(3):341-9. doi: 10.5665/sleep.4486.</p> <p>3: Karimi M, Hedner J, Zou D, Eskandari D, Lundquist AC, Grote L. Attention deficits detected in cognitive tests differentiate between sleep apnea patients with or without a motor vehicle accident. Sleep Med. 2015 Apr;16(4):528-33. doi: 10.1016/j.sleep.2014.11.015.</p> <p>4: Tkacova R, McNicholas WT, Javorsky M, Fietze I, Sliwinski P, Parati G, Grote L, Hedner J; European Sleep Apnoea Database study collaborators. Nocturnal intermittent hypoxia predicts prevalent hypertension in the European Sleep</p>

	Apnoea Database cohort study. Eur Respir J. 2014 Oct;44(4):931-41. doi: 10.1183/09031936.00225113. 5: Karimi M, Hedner J, Lombardi C, McNicholas WT, Penzel T, Riha RL, Rodenstein D, Grote L; Esada Study Group. Driving habits and risk factors for traffic accidents among sleep apnea patients--a European multi-centre cohort study. J Sleep Res. 2014;23:689-99.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Prof. Zoran Valić, MD, PhD
The course he/she teaches in the proposed study programme	Physiology, Study programs: Medicine, Medical studies in English, Dental Medicine and Pharmacy
GENERAL INFORMATION ON COURSE TEACHER	
Address	Šoltanska 2; 21000 Split
Telephone number	021 557-945
E-mail address	zoran.valic@mefst.hr
Personal web page	http://genom.mefst.hr/physiology/cv/zvalic.html
Year of birth	1972
Scientist ID	253185
Research or art rank, and date of last rank appointment	research advisor, 30. 10. 2006.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	full professor – first election, 25. 07.2011.
Area and field of election into research or art rank	biomedicine and health, basic medical sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split School of Medicine
Date of employment	02.05.2001.

Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Physiology
Function	vice dean for Medical studies in English program, head of Educational department of physiology
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Split School of Medicine
Place	Split
Date	13. 12. 2002.
INFORMATION ON ADDITIONAL TRAINING	
Year	1998-2001, 2005
Place	Milwaukee, WI, USA
Institution	Medical College of Wisconsin
Field of training	physiology, blood flow regulation
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	
Authorship of university/faculty textbooks in the field of the course	1. Berović, Nina; Božić, Joško; Bratanić, Andre; Dogas, Zoran; Kokić, Slaven; Korljan Jelaska, Betty; Krnić, Mladen; Kovačić, Vedran; Ljutić, Dragan; Markotić, Antita; Novak, Anela; Pecotic, Renata; Radić, Josipa; Radić, Mislav; Radman, Maja; Škrabić, Veselin; Tičinović Kurir, Tina; Valic, Zoran; Živković, Piero Marin. Patofiziologija endokrinopatija : odabrana poglavlja / Tičinović Kurir, Tina (ur.). Split : Redak, 2013. 2. Soldo, Alen; Valic, Zoran; Glavičić, Igor; Jurman, Bojan; Drviš, Ivan. Ronjenje / Soldo, Alen ; Glavičić, Igor ; Kolman, Milan (ur.). Samobor : Sveučilište u Splitu ; Hrvatska olimpijska akademija, 2013.
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	1) Clifford, P. S., J. A. Madden, J. J. Hamann, J. B. Buckwalter, and Z. Valic. Absence of flow-mediated vasodilation in the rabbit femoral artery. <i>Physiol. Res.</i> 59: 331-338, 2010. 2) Breskovic, T., Z. Valic, A. Lipp, K. Heusser, V. Ivancev, J. Tank, G. Dzamonja, J. Jordan, J. K. Shoemaker, D. Eterovic, and Z. Dujic. Peripheral chemoreflex regulation of sympathetic vasomotor tone in apnea divers. <i>Clin. Auton. Res.</i> 20: 57-63, 2010. 3) Gordan, Dz., J. Tank, K. Heusser, I. Palada, Z. Valic, D. Bakovic, A. Obad, V. Ivancev, T. Breskovic, A. Diedrich, F. C. Luft, Z. Dujic and J. Jordan. Glossopharyngeal insufflation

	<p>induces cardioinhibitory syncope in apnea divers. Clin. Auton. Res. 20: 381-384, 2010.</p> <p>4) Mollerlokken, A., T. Breskovic, I. Palada, Z. Valic, Z. Dujic, A. O. Brubakk. Observation of increased venous gas emboli after wet dives compared to dry dives. Diving Hyperb. Med. 41: 124-128, 2011.</p> <p>5) Marinov, V., M. Valic, R. Pecotic, N. Karanović, I. Pavlinac Dodig, M. Carev, Z. Valic, and Z. Dogas. Sevoflurane and isoflurane monoanesthesia abolished the phrenic long-term facilitation in rats. Respir. Physiol. Neurobiol. 189: 607-613, 2013.</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	1. Valic, M., J. A. Giaconi, J. Bozic, T. Breskovic, K. Peros, T. Ticinovic Kurir, and Z. Valic. Teaching physiology: blood pressure and heart rate changes in simulated diving. Periodicum Biologorum. 116: 185-190, 2014.
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	1. Apnea diving and cardiovascular system, scientific project (216-2160133-0330)
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	<p>2003. Award from The Academy of Medical Sciences of Croatia «Borislav Nakić» for the most valuable medical publication from the author under 35 years of age</p> <p>2004. National Science Award – Annual Award for Junior Researchers</p> <p>2006. Award from The Academy of Medical Sciences of Croatia «Ante Šercer» for the most valuable medical publication</p>
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

First and last name and title of teacher	Professor Debra J. Skene, PhD
The course he/she teaches in the proposed study programme	
GENERAL INFORMATION ON COURSE TEACHER	
Address	Chronobiology Section Faculty of Health and Medical Sciences, University of Surrey, Guildford, GU2 7XH, UK
Telephone number	+44 1483 689706
E-mail address	d.skene@surrey.ac.uk
Personal web page	http://www.surrey.ac.uk/biochemistry/People/debra_j_skene/
Year of birth	1956

Scientist ID	
Research or art rank, and date of last rank appointment	Professor of Neuroendocrinology April, 2002, permanent position
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Professor of Neuroendocrinology April, 2002, permanent position
Area and field of election into research or art rank	Biological Sciences, Biomedical Sciences
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Surrey
Date of employment	1992
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Chronobiology, Neuroendocrinology
Function	Professor, Section Lead
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	Medical University of Southern Africa (MEDUNSA)
Place	Pretoria, South Africa
Date	1985
INFORMATION ON ADDITIONAL TRAINING	
Year	
Place	
Institution	
Field of training	
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	English
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	French (2)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	Biological Rhythms, Neuroendocrinology (BSc Biomedical Sciences, University of Surrey) Physiology, Pathophysiology (BSc Nursing, University of Surrey)
Authorship of university/faculty textbooks in the field of the course	Section Editor, Circadian Rhythm Sleep Disorders; ESRS European Sleep Medicine Textbook, Eds. Bassetti C, Dogaš Z, Peigneux P. Wiley & European Sleep Research Society, Regensburg, 2014
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ul style="list-style-type: none"> Fischer, J., Dogaš, Z., Bassetti, C.L., Berg, S., Grote, L., Jennum, P., Levy, P., Mihaicuta, S., Nobili, L., Riemann, D., Puertas Cuesta, F.J., Raschke, F., Skene, D.J., Stanley, N. and Pevernagie, D. Standard procedures for adults in accredited sleep medicine centres in Europe. J. Sleep Res. (2012) 21, 357-68.

	<ul style="list-style-type: none"> • Wehrens, S.M.T., Hampton, S.M., Kerkhofs, M. and Skene, D.J. Mood, alertness, and performance in response to sleep deprivation and recovery sleep in experienced shiftworkers versus non-shiftworkers. <i>Chronobiol. Int.</i> (2012) 29, 537-548. • Ackermann, K., Revell, V.L., Lao, O., Rombouts, E.J., Skene, D.J. and Kayser, M. Diurnal rhythms in blood cell populations and the effect of acute sleep deprivation. <i>Sleep</i> (2012) 35, 933-940. • Bonmati-Carrion, M.A., Middleton, B., Revell, V., Skene, D.J., Rol, M.A., and Madrid, J.A. Circadian phase assessment by ambulatory monitoring in humans: correlation with dim light melatonin onset. <i>Chronobiol. Int.</i> (2014) 31, 37-51. • Davies, S.K., Ang, J.E., Revell, V.L., Holmes, B., Mann, A., Robertson, F.P., Cui, N., Middleton, B., Ackermann, K., Kayser, M., Thumser, A.E., Raynaud, F.I. and Skene, D.J. Effect of sleep deprivation on the human metabolome. <i>Proc. Natl. Acad. Sci. USA</i> (2014) 111, 10761-10766.
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	<ul style="list-style-type: none"> • Penzel T, Pevernagie D, Dogas Z, Grote L, de Lacy S, Rodenbeck A, Bassetti C, Berg S, Cirignotta F, d'Ortho MP, Garcia-Borreguero D, Levy P, Nobili L, Paiva T, Peigneux P, Pollmächer T, Riemann D, Skene DJ, Zucconi M, Espie C; For The Sleep Medicine Committee and The European Sleep Research Society. Catalogue of knowledge and skills for sleep medicine. <i>J Sleep Res.</i> 2013 23(2):222-38.
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<ul style="list-style-type: none"> • 2011 – 2014, BBSRC UK, <i>Food entrainment of the human circadian timing system.</i> (J.D. Johnston (PI), D.J. Skene, Archer, S.N. and Gibbs, M.) • 2011 – 2016, EU FP7-HEALTH-2011, <i>EuRhythDia, Impact of lifestyle interventions on diabetogenic and atherogenic effects of changes in diurnal rhythm</i>, Grant number 278397, (D.J. Skene, PI Surrey) • 2011 – 2016, Royal Society Wolfson Research Merit Award, <i>Linking light, circadian rhythms, sleep and metabolism in health and disease.</i> (D.J. Skene, PI), £67,120. • 2012 – 2015, UK BBSRC, <i>Effect of the circadian clock time of day and sleep on the human metabolome: identification of metabolite rhythms</i> (D.J. Skene (PI), F. Raynaud (ICR), V.L. Revell, A.E. Thumser) • 2015 – 2016, RCUK-CONFAP Research Partnerships <i>Sleep deprivation in Parkinson's disease: Brazil and United Kingdom research network.</i> (D.J. Skene (PI), B. Middleton, J.R. Swann (Imperial) and M.M.S. Lima and F.M. Louzada (Federal University of Paraná, Curitiba, Brazil)).
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	Self-education (1992-2015) University Staff Training and Development courses (1992-2015)
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	<ul style="list-style-type: none"> • 2006 – 2010, Best Teacher, EU FP6 IP EUCLOCK Summer Schools (2006-2010) on Chronobiology • 2011 – 2016, Royal Society Wolfson Research Merit Award
Results of student evaluation taken in the last five years for the course that is comparable to the	Student evaluation of BMS3066 Biological Rhythms Module (final year BSc Biomedical students), rated 4.6 (2011), 4.4 (2012), 4.2 (2014), and 4.6 (2015) out of 5.

course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	
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First and last name and title of teacher	Assoc. Prof. Malcolm von Schantz, PhD
The course he/she teaches in the proposed study programme	

GENERAL INFORMATION ON COURSE TEACHER

Address	Chronobiology Section Faculty of Health and Medical Science University of Surrey Guildford, Surrey GU2 7XH UK
Telephone number	+44 7881 934933
E-mail address	m.von.schantz@surrey.ac.uk
Personal web page	http://www.surrey.ac.uk/fhms/research/centres/ssrc/People/von_schantz/ https://www.researchgate.net/profile/Malcolm_Von_Schantz
Year of birth	1966
Scientist ID	ORCID C-5962-2014
Research or art rank, and date of last rank appointment	Reader in Molecular Neuroscience, permanent, since 2009
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Reader in Molecular Neuroscience, permanent, since 2009
Area and field of election into research or art rank	Biomedicine and Health Basic Medical Sciences

INFORMATION ON CURRENT EMPLOYMENT

Institution where employed	University of Surrey
Date of employment	1/9/1997
Name of position (professor, researcher, associate teacher, etc.)	Reader in Molecular Neuroscience
Field of research	Human circadian rhythms and sleep and their molecular determinants
Function	Research, teaching, and administration

INFORMATION ON EDUCATION – Highest degree earned

Degree	PhD
Institution	University of Göteborg
Place	Göteborg, Sweden
Date	10/12/1994

INFORMATION ON ADDITIONAL TRAINING

Year	
Place	
Institution	
Field of training	

MOTHER TONGUE AND FOREIGN LANGUAGES

Mother tongue	Swedish
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Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English (5)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	German (5)
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Portuguese (2)
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered, and level of study programme)	<p>Final year course, Biological rhythms, University of Surrey (since 1998)</p> <p>Second-year course, Neuroscience, University of Surrey (since 2002)</p> <p>International School of Human Chronobiology and Working Life, School of Public Health, 26—30 May 2014</p> <p>Swedish Sleep Research Society training course, Circadian rhythms and circadian rhythm sleep disorders, 2009 and 2012</p> <p>Final-year and Masters course, Circadian rhythms, University College London (2008 and 2010)</p>
Authorship of university/faculty textbooks in the field of the course	<p>From Genes to Genomes (Wiley)</p> <p>First edition (JW Dale, M von Schantz) 2002</p> <p>Second edition (JW Dale, M von Schantz) 2007</p> <p>Third edition (JW Dale, M von Schantz, NJ Plant) 2011</p> <p>Italian edition: Dai Geni ai Genomi (JW Dale, M von Schantz), Genetica 2008</p>
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>von Schantz M, Skene DJ: Telling biological time from a blood sample — current capabilities and future potential. <i>Ann Clin Biochem</i> (in press)</p> <p>von Schantz M, Taporoski T, Horimoto ARVR, Duarte NE, Vallada M, Krieger JE, Pedrazzoli M, Negrão AB, Pereira AC: Distribution and heritability of diurnal preference (chronotype) in a rural Brazilian family-based cohort, the Baependi study. <i>Sci Rep</i> 2015;5:9214</p> <p>Archer SN, Laing EE, Möller-Lever CS, van der Veen DR, Bucca G, Lazar AS, Santhi N, Slak A, Kabiljo R, von Schantz M, Smith SP, Dijk DJ: Mistimed sleep disrupts circadian regulation of the human transcriptome. <i>Proc Natl Acad Sci (USA)</i> 2014;111:E682-E691.</p> <p>Möller-Levet CS, Archer SN, Bucca G, Laing EE, Slak A, Kabiljo R, Lo JC, Santhi N, von Schantz M, Smith CP, Dijk DJ.: Effects of insufficient sleep on circadian rhythmicity and expression amplitude of the human blood transcriptome. <i>Proc Natl Acad Sci (USA)</i> 2013;110:E1132-1141.</p> <p>Archer SN, Carpen JD, Gibson M, Lim GH, Johnston JD, Skene DJ, von Schantz M. Polymorphism in the PER3 promoter associates with diurnal preference and delayed sleep phase disorder. <i>Sleep</i> 2010;33:695—701.</p>
Professional and scholarly articles published in the last five years in subjects of	

teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>BBSRC (£299,663): Physiological and molecular characterisation of circadian rhythms in red blood cells. FH Labeed, M von Schantz, R Jabr, J O'Neill, AB Reddy (2015 — 2017)</p> <p>British Council and Department of Business, Innovation and Skills (Global Innovation Initiative) (£149,780). Sleep, circadian rhythms, and cardiovascular health across ethnicities — A small Brazilian town as a model for global health issues. M von Schantz (investigator), Collaborators: KL Knutson, AC Pereira (2015 — 2017)</p> <p>CNPq (R\$526,959): Collection and analysis of neurobehavioural data from the Baependi cohort study. HP Vallada (investigator), M von Schantz (visiting researcher) (2014 — 2017)</p> <p>BBSRC (£1,454,570): Circadian and homeostatic contributions to physiology, cognition and genome-wide expression in human and mouse variants of the PER3 VNTR polymorphism (DJ Dijk, JA Groeger, SN Archer, M von Schantz, CP Smith, J Johnston) (2008-2012)</p> <p>United States Air Force Office of Scientific Research (\$2,389,314): Cognitive vulnerability following extended wakefulness in defined genotypes: Effects of sleep duration on sustained attention, executive function, and novel biomarkers (with DJ Dijk, JA Groeger, SN Archer, CP Smith, A Kierzek) 2008-2011</p>
The name of the programme and the volume in which the main teacher passed exams in/acquired the methodological-psychological-didactic-pedagogical group of competences?	University of Surrey training programme for new academic staff (1997—1999).
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	Average lecturer score last semester (University of Surrey Module Evaluation Questionnaires): 4.4/5.0

First and last name and title of teacher	Prof. Tarja Stenberg (Porkka-Heiskanen), MD, PhD
The course he/she teaches in the proposed study programme	Sleep Physiology
GENERAL INFORMATION ON COURSE TEACHER	
Address	Medicum, PO 63, 00014 University of Helsinki, Finland

Telephone number	+358 50 5525122
E-mail address	tarja.stenberg@helsinki.fi
Personal web page	
Year of birth	1951
Scientist ID	
Research or art rank, and date of last rank appointment	Research Head, Permanent position
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Adjunct Professor, Permanent position
Area and field of election into research or art rank	Neurophysiology, sleep research
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Helsinki
Date of employment	1995
Name of position (professor, researcher, associate teacher, etc.)	Adjunct professor
Field of research	Sleep physiology
Function	Head of sleep research
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Helsinki
Place	Helsinki
Date	1990
INFORMATION ON ADDITIONAL TRAINING	
Year	1983
Place	Helsinki
Institution	University of Helsinki
Field of training	MD
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Finnish
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Swedish 5
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	Germany 2
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name title of course, study programme where it is/was offered,	Coordinator of the Marie Curie program “Sleep restriction”, teaching sleep physiology (lectures and practicals) – 20 students during 4 years Member of the board of the European Sleep Research, Marie Curie funded course “Training program in sleep”, teaching sleep physiology – 160 students in the course of 4 years

and level of study programme)	
Authorship of university/faculty textbooks in the field of the course	Sleep Medicine Textbook, Eds. Bassetti C, Dogaš Z, Peigneux P. Wiley & European Sleep Research Society, Regensburg, 2014
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<p>Aho V, Ollila HM, Rantanen V, Kronholm E, Surakka E, van Leeuwen WMA, Lehto M, Matikainen S, Ripatti S, Härmä M, Sallinen M, Salomaa V, Jauhiainen M, Alenius H, Paunio T, Porkka-Heiskanen, T. Partial sleep restriction activates immune response-related gene expression pathways: experimental and epidemiological studies in humans. PLoSOne 2013 Oct 23;8(10):e77184. doi: 10.1371/journal.pone.0077184.</p> <p>Zant JC, Rozov S, Wigren H-K, Pertti Panula P, and Porkka-Heiskanen T, Histamine release in the basal forebrain mediates cortical activation through cholinergic neurons. J Neurosci 19;32(38):13244-54, 2012</p> <p>Wigren, H-K, Rytkönen, K-M, Porkka-Heiskanen, T, Aging attenuates basal forebrain lactate release and promotion of cortical arousal during prolonged wakefulness J Neurosci, 16;29(37):11698-707, 2009</p> <p>Urrila, A.S., Hakkarainen, Heikkinen, S., Vuori, K., Stenberg, D., A., Häkkinen, A-M., Lundbom, N., Porkka-Heiskanen, T., Metabolic imaging of human cognition: an fMRI/ ¹H MRS study of brain lactate response to silent word generation. J Cereb Blood Flow and Metab 23(8): 942-948, 2003</p> <p>Porkka-Heiskanen, T., Strecker, R.E., Bjorkum, A.A., Thakkar, M., Greene, R.W., McCarley, R.W., Adenosine: A mediator of the sleep-inducing effects of prolonged wakefulness. Science 276: 1265-1268, 1997</p>
Professional and scholarly articles published in the last five years in subjects of teaching methodology and teaching quality (5 works at most)	
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<p>Academy of Finland. Sleep and health: coping with irregular working hours. (coordinator)</p> <p>Academy of Finland. Consortium funding for the project "Child Sleep" (SKIDI/KIDS program, PI prof. Tiina Paunio, University of Helsinki).</p> <p>EU consortium EuRhytDia (PI Prof. R Böger, University of Hamburg)</p> <p>Academy of Finland project: Effects of sleep restriction on lipid metabolism)</p> <p>450 000 euro</p>
The name of the programme and the volume in which the main teacher passed exams in/acquired the	Two courses in university pedagogic at the University of Helsinki – the basic course for one year and the continuation course for one year.

methodological- psychological-didactic- pedagogical group of competences?	
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	

3.4. Optimal number of students

Optimal number for the first generation of students is 10-15, which is the total number of existing candidates in RH, who may fulfill the enrollment criteria (present activities in the sleep medicine domain).

For the future generations this number may alter but it is anticipated it will not be over 20-25 students due to the quality assurance measures.

3.5. Estimate of costs per student

5000€

3.6. Plan of procedures of study programme quality assurance

In keeping with the European standards and guidelines for internal quality assurance in higher education institutions (according to “Standards and Guidelines of Quality Assurance in the European Higher Education Area”) on the basis of which the University of Split defines procedures for quality assurance, the proposer of the study programme is obliged to draw up a plan of procedures of study programme quality assurance.
Documentation on which the quality assurance system of the constituent part of the University is based:
<ul style="list-style-type: none"> • Regulations on the quality assurance system • Handbook on the quality assurance system
Description of procedures for evaluation of the quality of study programme implementation:
<ul style="list-style-type: none"> • For each procedure the method needs to be described (most often questionnaires for students or teachers, and self-evaluation questionnaire), name the body conducting evaluation

(constituent part, university office), method of processing results and making information available, and timeframe for carrying out evaluation <ul style="list-style-type: none"> If procedure is described in an attached document, name the document and the article. 	
Evaluation of the work of teachers and part-time teachers	The process of student evaluation of teaching is conducted by the Committee for quality improvement. The procedure consists of: informing students and teachers, student questionnaire surveys, questionnaire analysis, presentation of results and measures for improving quality. Survey is conducted on the last day of each course. Analysis of survey results is the responsibility of Committee for quality improvement. The data is processed and the results are submitted to the study programme Director.
Monitoring of grading and harmonization of grading with anticipated learning outcomes	The assessment of students at our School is carried out during classes (continuous evaluation) and during the exams. The assessment of the acquired knowledge through written and practical exams has become the standard that is applied to all School programs. Committee for teaching, Committee for supervision of the teaching and Committee for quality improvement are all involved in the monitoring of the implementation of these procedures.
Evaluation of availability of resources (spatial, human, IT) in the process of learning and instruction	Evaluation of the availability of resources is partly carried out through a questionnaire for student evaluation of expert and administrative services and partly through the evaluation of the overall study program. Evaluation is conducted by the Committee for quality improvement. The survey is conducted at the end of each academic year. The data is processed and the results are submitted to the study programme Director.
Availability and evaluation of student support (mentorship, tutorship, advising)	After enrolling in the study programme, each student is assigned an advisor/mentor. The goal of this feature is providing assistance and guidance to students in order to master curriculum as easy as possible. Support for the students through the study is provided via an e-learning interface (Moodle platform InterMeCo), which is in accordance with modern up-to-date teaching methodologies. We do not have formal way to evaluate support to students.
Monitoring of student pass/fail rate by course and study programme as a whole	The process of monitoring student rate of pass/fail is conducted by the Committee for quality improvement and Committee for teaching using a questionnaire filled out by the School. This activity is carried out once a year at the beginning of the academic year for the previous academic year. Also, our School carries out internal analysis of students for each subject. The results are discussed at the meetings of the Committee for teaching.

Student satisfaction with the programme as a whole	The process of student evaluation of the entire study programme is conducted by the Committee for quality improvement and Student administration. This procedure is carried out after the defense of the final thesis, and the data processing is conducted by the Committee for quality improvement. The results are submitted to the Dean, study programme Director and Chair of the Committee for quality improvement.
Procedures for obtaining feedback from external parties (alums, employers, labour market and other relevant organizations)	Establishment of the Alumni association is in progress.
Evaluation of student practical education (where this applies)	Practical training of students in the sleep centers will be evaluated by mentors appointed for each student, students themselves and by the programme Director. The evaluation of students' acquired knowledge and skills will take place via joint practical session, and the results will be evaluated by the programme Director and the Committee for quality improvement.
Other evaluation procedures carried out by the proposer	/
Description of procedures for informing external parties on the study programme (students, employers, alums)	On the School of Medicine website (www.mefst.hr) all necessary information on study programs, admission requirements and enrollment quotas will be provided. A significant contribution to presentation of our School is brought by the journal published by the staff and the students of the School biannually since 2007. Additionally, informations about study programme will be provided on websites of European Sleep Research Society (ESRS) and the Croatian Somnological Society-Society for Sleep Medicine of the Croatian Medical Association.