OF	RGANIZATION OF THE	E NER	VOUS SYSTEM AND EVOLUTION							
1	Course Title:	ORGAN	IZATION OF THE NERVOUS SYSTEM AND EVOLUTION							
2	Course Code:	BIO6516								
3	Type of Course:	Optional								
4	Level of Course:	Third Cycle								
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. SiBEL TAŞ								
15	Course Lecturers:	Prof. Dr. SIBEL TAŞ								
16	Contact information of the Course Coordinator:	Prof. Dr. Sibel TAŞ Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü e-posta: smeral@uludag.edu.tr Telefon: 0 (224) 294 1795 and Science, Department of Biology e-mail: smeral@uludag.edu.tr Phone: 0 (224) 294 1795								
17	Website:									
18	Objective of the Course:	Receiving stimuli from Invertebrata and mechanisms which respond them, comparative investigation of the organization and functions of the nervous system of Vertebrata, explanation of the functions of neurotransmitters.								
19	Contribution of the Course to Professional Development:	By learning the importance of the nervous system in living things, he / she can make a holistic evaluation and plan a research project.								
20	Learning Outcomes:									
	·	1	To describe nervous system Invertebrata							
		2	To describe the structural and functional organization of the nervous system							
		3	To know the structure and functions of the spinal cord and the brain							
		4	To describe characteristics, components and functions of the central nervous system							
		5	To describe characteristics components and functions of the peripheral nervous system							
		6	To describe characteristics, components and functions of the autonomic nervous system							
		7	To describe chemical messenger molecules of the nervou system, including classical and non-classical neurotransmitters							
	8 To describe types of synapses and their functions 9									
		10								
21	Course Content:									
Course Content:										

Week	The	neoretical								Practice										
1	Warr	arning mechanism invertebrata																		
2		Basic functions of synapses, transmitter																		
3	Sens	ensory receptors																		
4	Som	omatic senses –situation and touch senses																		
5	Som sens		sense	s -paiı	n and	tempe	rature													
6	Neur	rophy	ysiolo	gy of v	vision															
7	Hear	ring a	and ch	nemica	al sen	ses														
8	The	moto	or fund	tions	of the	spinal	cord													
9	The	moto	or fund	tions-	cortex	and b	rainst	em												
10	Cere	ebellu	um, ba	asal ga	anglia															
11	Cere	ebral	cortex	k, lear	ning a	ind me	mory													
12	The	limbi	c syst	em ar	nd hyp	othala	mus													
13	Slee	p an	d drea	am																
14	Auto	nom	ic ner	vous s	systen	า														
22 Activit	22 Textbooks, References and/or Other Materials: Activites									10 Me uman a irley, C	dicalPh anatom harles	iysiolog y and F R Noba	y; Willia Physiolo ack, 20 ⊆Williar	am F G ogy; Ro 02 n T Ke	Banong, obert Ca <u>Peton</u> I hour)	ohn E Hall, J, 2010 Parola, John P <u>James L Gould</u> Total Work Load (hour)				
Theore	retical R									14				3.00			42.00			
Practica	acticals/Labs									0				0.00			0.00			
Self-stu	udy ar	nd pr	epera	tion			0		0.0	0.99				3.00			42.00			
Homew	neworks									2				15.00			30.00			
Fingle	s am						1		10	100.00				0.00			0.00			
Field St	tudies	S							(0				0.00			0.00			
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Others									(0				0.00			0.00			
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Total W	Vork L	oad								180.00										
Maasw	MaswerkedangoEvaluation Techniques Used in the									The system of relative evaluation is applied 6.00										
ECTS (CTS Credit of the Course									6.00										
25	<u> </u>											OME			GRAM					
25													5101							
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	3	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0			
ÖK2	3	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0			
ÖK3	3	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0			
ÖK4	3	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0			

ÖK5	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK6	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK7	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK8	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution				2 Iow		3	Medi	um	4 High			5 Very High			