

INTRODUCTION TO NEUROSURGERY

1	Course Title:	INTRODUCTION TO NEUROSURGERY
2	Course Code:	TIP2124
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
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. SELÇUK YILMAZLAR
15	Course Lecturers:	PROF.DR.SELÇUK YILMAZLAR PROF.DR.AHMET BEKAR PROF.DR.ŞEREF DOĞAN PROF.DR.HASAN KOCAELİ DOÇDR.M.ÖZGÜR TAŞKAPILIOĞLU
16	Contact information of the Course Coordinator:	selsus@uludag.edu.tr, 295 27 12, Uludağ Üniversitesi Tıp Fakültesi Beyin ve Sinir Cerrahisi Anabilim Dalı, 16059 Görükle Nilüfer Bursa
17	Website:	http://tip.uludag.edu.tr/ders/tip
18	Objective of the Course:	<p>The aim of neurosurgery student education is to examine the unconscious patient they encounter in an emergency, to have the examinations requested and how to refer which patients. In addition, vascular, pediatric neurosurgery, neurosurgery, pain and stereotaxic surgery, head injuries and Theoretical information will be given, especially central nervous system infections.</p> <p>During their education, he participated in neuroradiology, neuropathology, postmortem meetings and neurology-neurosurgery-neuroradiology oncology meetings and They will learn by discussing the detailed information. Patient indication of faculty members and students</p> <p>By participating in the discussions, it is aimed to see as many patients as possible and practice with interactive training. To teach bleeding due to head trauma, its complications, to recognize patients with SAH and intracerebral hemorrhage, and to teach emergency interventions, surgical indications, treatment approaches in a patient with low back pain, pathologies related to neurosurgery in children and treatment options.</p>
19	Contribution of the Course to Professional Development:	To understand the basic concepts in neurosurgery.
20	Learning Outcomes:	
	1	To understand the basic concepts in neurosurgery.
	2	To acquire basic information that can help in evaluating and interpreting clinical events.
	3	Learning the approach to the head trauma patient.
	4	Kibas therapy.
	5	Approach to the patient with disc herniation
	6	Recognition of intracranial vascular pathologies and emergency approaches

	7	To learn the surgical congenital pathologies of the central nervous system
	8	To learn the diagnosis and treatment options in cranial and spinal tumors.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Congenital central nervous system anomalies	
2	Syndrome of increased intracranial pressure	
3	Spinal cord injury	
4	What does a neurosurgeon do	
5	Head injury basic principles	
6	How to do a brain surgery	
7	Nöroşirürjinin temel prensipleri	
8	Causes of lower back and leg pain	
9	Neurological history and examination	
10	Head injury basic principles	
11	Congenital central nervous system anomalies	
12	Basic principles of neurosurgery	
13	Spinal cord injury	
14	What does a neurosurgeon do	
22	Textbooks, References and/or Other Materials:	<p>1-Handbook of Neurosurgery, Mark S. Greenberg, 7th Edition, Thieme, New York 2010, ISBN-978-1-60406-326-4</p> <p>2-Basic Neurosurgery, E.Korfaı, M.Zileli, Turkish Neurosurgery Association publications, Ankara 2010, ISBN-978-605-4149-04-9</p> <p>3-Youmans Neurological Surgery, H.R.Winn, Saunders, 5th Edition, ISBN-0-7216-8291-X</p>
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam		1
Quiz		0
Home work-project		0
Final Exam		1
Total		2
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00

Measurement and Evaluation Techniques Used in the Course	There is a midterm and a final exam in the form of a multiple choice test.
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24	ECTS / WORK LOAD TABLE
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	4	5	4	3	4	4	4	4	4	4	4	4	4	4
ÖK2	5	5	4	5	4	3	4	4	4	4	4	4	4	4	4	4
ÖK3	4	5	5	5	4	5	4	4	4	5	5	5	4	5	5	5
ÖK4	5	5	4	5	4	5	4	4	4	5	5	5	4	5	5	5
ÖK5	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4
ÖK6	3	3	3	4	3	4	4	4	3	3	3	5	5	5	5	5
ÖK7	3	4	3	4	3	4	3	3	3	3	3	4	5	5	5	4
ÖK8	3	3	3	4	4	3	3	3	3	4	4	4	5	5	4	4
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							