		COURSE INFO	RMATON		
Course Title	Code	Semester	COURSE INFORMATION Lecture+Practice+Laboratory Hour	Credits	ECTS
NEUROLOGY (Clinical Clerkship)	MED 505	5/9-10	20+62	4	4*

^{*} ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should have at least the Phase 4
Prefequisites	knowledge level in medical faculty.

Language of Instruction	English
Course Level	Second-cycle higher education (i.e. QF-EHEA-2, EQF-LLL-7, TYYÇ-7) with Master's Degree/ "Regulated Professions" legislation by EU 2005/36/EC Directive
Course Type	Compulsory
Course Coordinator	Yüksel Dede
Instructors	Berrin Aktekin, M. Emin Özcan, H. Rengin Bilgen Akdeniz, Yüksel Dede
Assistants	R. Çağla Akduman, F. Bengül Gölge, Tolga Çetindamar
Goals	To convey necessary knowledge on pathology, symptomatology, clinics and pharmacology of neurological diseases, to equip with skills and attitudes required for an appropriate approach to management of neurological patients
	For further details please see Academic Program Book of Phase V at http://med.yeditepe.edu.tr/sites/default/files/phase 5 0.pdf

	Week 1	Monday	Tuesday	Wednesday	Thursday	Friday
	09.00- 09.50	Introductory Session (Introduction to Neurology)	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)
Content	10.00- 11.20	Lecture Semiology Pelin Doğan Ak	Lecture Headaches Emin Özcan	Clinical Experience (Neurology Policlinic)	Clinical Experience (Neurology Policlinic)	Clinical Experience (Outpatient)
	11.30- 12.00	Clinical experience	Student Group Study	Student Group Study	Student Group Study	Student Group Study
	12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
	13.00- 13.50	Clinical Experience (Neurology polyclinc)	Lecture Medula Spinalis disorders Berrin Aktekin	Lecture Coma H. Rengin Bilgen Akdeniz	Lecture Dementia Yüksel Dede	Lecture Cerebrovascular Disorders Işil Kalyoncu Aslan

14.00-	Clinical	Clinical	Clinical	Clinical	Lecture Motor neuron disorders Burcu Bulut Okay
14.50	Experience	Experience	Experience	Experience	
15.00- 15.50	(Neurology polyclinc)	(Neurology polyclinc)	(Neurology Polyclinic)	(Neurology Policlinic)	Lecture Peripheral Nerve Disorders Eren Gözke

Week 2	Monday	Tuesday	Wednesday	Thursday	Friday
09.00 - 09.50 10.00 - 10.50 11.00 - 11.20	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)
11.30 - 12.00	Student Group Study	Student Group Study	Student Group Study	Student Group Study	Student Group Study
12.00 - 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00 - 13.50	Lecture Demyelinatin g Disorders Emin Özcan	Lecture Extrapyramida I Disorders Yüksel Dede	Clinical Experience (Outpatient)	Lecture Epilepsy Berrin Aktekin	Lecture Neuromuscula r Junction Disorders Leyla Ramazanoğlu
14.00 - 14.50	Lecture Sleep Disorders H. Rengin Bilgen Akdeniz	Lecture CNS infections Yüksel Dede	Clinical Experience (Outpatient)	Lecture EEG Berrin Aktekin	Clinical Experience (Outpatient)
15.00 - 15.50	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Courpanenty	Clinical Experience (Outpatient)	(Outpatient)
16.00 - 16.50 17.00 - 17.50	Independent Learning	Independent Learning	Independen t Learning	Independen t Learning	Independent Learning

Week 3	Monday	Tuesday	Wednesday	Thursday	Friday
09.00-					Independent
09.S0					Learning

10.00- 10.S0 11.00- 11.20	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Clinical Experience	Clinical Experience (Outpatient)	Assessment Session Oral
11.30- 12.00	Student Group Study	Student Group Study	(Outpatient) Neurologic	Student Group Study	Exam
12.00- 12.50	Clinical Experience (Outpatient)	Clinical Experience (Outpatient)	Exam And Semiology	Clinical Experience (Outpatient)	Lunch
13.00- 13.50	Lunch	Lunch	Lunch	Lunch	Assessment
14.00- 14.S0	Clinical Experience (Outpatient	Clinical Experience	Clinical Experience (Outpatient)	Clinical Experience	Session Writen Exam
15.00- 15.50	Clinical Experience (Outpatient)	(Outpatient)	Clinical Experience (Outpatient)	(Outpatient)	Program Evaluation
16.00- 16.50					Session Review of
17.00- 17.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	the Exam Questions, Evaluation of the Program (Neurologist in charge)

Learning Outcomes	Programme Learning Outcomes	Teaching Methods	Assessmen t Methods
describe anatomy of the cranial nerves and symptomes of cranial nerve paresis	1,1,3	1,2,3	A, C
classify neurolgical motor and sensory system examination	1,1,3	1,2,3	A, C
3. describe physiologies and pathologies of the consciousness (coma state), explain mechanisms of coma occurrence, neurologic examination of coma patient, diagnostic methods of coma, and treatment options of unconscious patient	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3,12	A, C
4. state signs and symptoms of spinal cord diseases including partial or complete spinal cord involvement, neurological symptomes and diagnostic options	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3	A, C
5. explain pathophysiology, diagnostic and treatment methods and pharmacology of basal ganglia and extrapyramidal disorders	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3,12	A, C
6. <i>classify</i> headaches and with respect to affected anatomical sites, signs and symptoms and describe different treatment options	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3,12	A, C

7. describe mechanisms of sleep disorders, signs and symptoms, methods of examination, and treatment options of sleep disorders	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3	A, C
8. explain pathophysiology, signs and symptoms, and different treatment methods of CNS infections	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3	A, C
9. describe signs, symptoms and examination methods of Dementia, interpret relationship with neurological diseases and anatomical locations of lesions.	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3	A, C
10. <i>explain</i> signs, symptoms and examination methods of Demyelinating diseases and classify the treatment options	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12	1,2,3	A, C
11. describe signs, symptoms, examination methods recognize differentia diagnosis and classify the treatment options of epilepsy	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,7 - 1,1,8 - 1,1,9 - 1, 1,10 - 1,1,12	1,2,3,12	A, C
12. describe signs, symptoms, examination methods of cerebrovascular disease and emergency, recognize differential diagnosis and classify treatment options depending on the urgency	1,1,1 - 1,1,2 - 1,1,3 - 1,1,4 - 1,1,6 - 1,1,12 - 2,5,1 - 2,5,4	1,2,3,12	A, C
13. <i>interpret</i> cerebellar diseases	1,1,1 - 1,1,3 - 1,4,1	1,2,3	A, C
14. outline methods of examination in neuro- muscular disorder	1,1,7 - 1,1,8	1,2,3	A, C

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 9: Simulation, 12: Case Study
Assessment Methods:	A: Testing B: Presentation C: Homework

	COURSE CON	ITENT
WEEK 1	SUBJECT	Study Materials
1	Lecture Semiology	Materials for the course provided by instructor
2	Lecture Headaches	Materials for the course provided by instructor
1	Lecture Medula Spinalis Disorders	Materials for the course provided by instructor

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Sleep Polysomnography provided by instructor	3	•	
		Sleep Polysomnography	provided by instructor

Assessment Session	Materials for the course provided by instructor
Program Evaluation Session	Materials for the course
Review of the Exam Questions,	provided by the instructor
	Program Evaluation Session

	RECOMMENDED SOURCES
	 Bradley and Daroff's Neurology in Clinical Practice, 2-Volume Set, 8th Edition
Textbook	DeJong's The Neurologic Examination 8th Edition Devot Trained Biographic in Neurology Application Dev
	 Duus' Topical Diagnosis in Neurology: Anatomy – Physiology İstanbul Üniversitesi Tıp Fakültesi Nöroloji, 4. Baskı
Additional Resources	Lecture notes

MATERIAL SHARING			
Documents	Via google classroom		
Assignments	Student ppt presentations		
Exams	Not shared		

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ASSESSMENT					
Questions Types (Pencil-PaperTests)	Proportion				
	(in Pencil-Paper Tests)				
Multiple Choice Questions	50%				
Extended Matching Questions	20%				
Key Feature Questions	15%				
Essay Questions	15%				
Total	100 %				
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)				
Oral Exam (OE)	30%				
Direct Observation of Procedural Skills (DOPS)	2,5%				
Evaluation of Case Presentation	2,5%				
Evaluation of Preparation Skills of Patient's File Global Evaluation of Student's Performance 2,5%	2,5%				
Global Evaluation of Student's Performance	2,5%				

Total	40 %
Pass/Fail Decision	Proportion
	(in Pass/Fail Decision)
Pencil-Paper Tests	60%
Other Assessments Methods and Tools	40%

COURSE CATEGORY

Expertise/Field Courses

	COURSE'S CONTRIBUTION TO PROGRAMME							
No	lo Program Learning Outcomes		Contribution					
		1	2	3	4	5		
1.	Basic Professional Competencies							
1.1.	Clinical Competencies					X		
1.2.	Competencies Related to Communication				X			
1.3.	Competencies Related to Leadership and Management			X				
1.4.	Competencies Related to Health Advocacy				X			
1.5.	Competencies Related to Research			X				
1.6.	Competencies Related to Health Education and Counseling				X			
2.	Professional Values and Perspectives							
2.1.	Competencies Related to Law and Legal Regulations			X				
2.2.	Competencies Related to Ethical Aspects of Medicine					X		
2.3.	Competencies Related to Social and Behavioral Sciences					X		
2.4.	Competencies Related to Social Awareness and Participation					X		
2.5.	Competencies Related to Professional Attitudes and Behaviors					X		
3.	Personal Development and Values							
3.1	Competencies Related to Lifelong Learning					X		
3.2.	Competencies Related to Career Management				X			
3.3.	Competencies Related to Protection and Development of Own Physical and Mental Health					X		

Activities	Quantity or day	Duration (Hour)	Total Workload (Hour)
Course Duration (3 weeks)	15	5.5	82.5
Hours for off-the-classroom study (Pre-study, practice, review/week)	15	2	30
Homework	1	2	2
Exam	2	1	2
Total Work Lo	116.5		
Total Work Load / 30	3.88		
ECTS Credit of the Cou	4		