

## Information sheet for the course Nursing in Neurology

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>	
<b>Faculty:</b> <i>Faculty of Health Care</i>	
<b>Course unit code:</b> <i>OseNeur/d</i>	<b>Course unit title:</b> <i>Nursing in Neurology</i>
<b>Type of course unit:</b> <i>compulsory</i>	
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 1 hour weekly/13 hours per semester of study; full-time</i> <i>Seminar: 2 hours weekly/26 hours per semester of study; full-time</i> <i>Supervised practical output: 2 hours weekly/26 hours weekly per semester of study; full-time</i>	
<b>Number of credits:</b> <i>2</i>	
<b>Recommended semester:</b> <i>5<sup>th</sup> semester in the 3<sup>rd</sup> year (full-time)</i>	
<b>Degree of study:</b> <i>I (bachelor)</i>	
<b>Course prerequisites:</b> <i>none</i>	
<b>Assessment methods:</b> <i>100 points</i>	
Terms of completing the course	
<b>Activities</b>	<b>Number of points</b>
Participation in teaching	30
Written test examination	70
<b>total</b>	100
<i>Score</i>	
100 - 93 %	A
92 - 85 %	B
84 - 77 %	C
76 - 69 %	D
68 - 61 %	E
60 - 0 %	FX
Evaluation seminar paper	
<b>Number of points</b>	
<b>total</b>	30
<i>Score</i>	
30 – 28 points	A
27 – 25 points	B
24 – 22 points	C
21 – 19 points	D
18 – 16 points	E
15 – 0 points	FX
<b>Learning outcomes of the course unit:</b> <i>Student is able to (demonstrate knowledge, skills, attitudes):</i>	
<ol style="list-style-type: none"> <li>1. <i>DESCRIBE the basic principles of nursing in neurology.</i></li> <li>2. <i>DESCRIBE the etiology, symptoms, diagnosis and treatment of neurological diseases.</i></li> <li>3. <i>USE the method of nursing process.</i></li> <li>4. <i>IDENTIFY of nursing diagnoses.</i></li> </ol>	

5. *CHOOSE adequate nursing interventions.*

**Course contents:**

**Lecture:**

1. *Introduction to the subject.*
2. *The anatomy and physiology of the nervous system - neuron, structure, function, synapses, and muscle function, nerve-muscle connection, motor unit, functional units of the muscular system, central nervous system.*
3. *Examination methods in neurology - a clinical examination of the patient and support neurological examinations.*
4. *Neurological syndromology.*
5. *Cerebrovascular disorders and vascular disorders of the spinal cord - stroke, spinal cord vascular events - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
6. *Extrapyramidal system disorders - Parkinson's disease, Wilson's disease, dyskinesic syndromes - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
7. *Degenerative diseases of the central nervous system - Dementia - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
8. *Epilepsy - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
9. *Headache - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
10. *Multiple sclerosis - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
11. *Disc disorders - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*
12. *Neurologic infections, Neuropathies, Trigeminal neuralgia, Bell's Palsy - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment*
13. *Disorders of muscle and neuromuscular transmission - myopathy and myasthenia gravis - characteristics, classification, etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.*

**Seminar:**

1. *Introduction to subjects, its objectives, tasks, nursing management for neurological workplaces.*
2. *Neurological physiotherapy.*
3. *Assessment of neurologic function, Diagnostic evaluation.*
4. *Nursing care plan, measuring and evaluation scales in neurology.*
5. *Nursing care plan for patients diagnosed with cerebrovascular disorders.*
6. *Nursing care plan for patients diagnosed with Extrapyramidal System Disorders - Parkinson's disease, Wilson's disease, dyskinesic syndromes.*
7. *Nursing care plan for patients with Dementia.*
8. *Nursing care plan for patients diagnosed with Epilepsy.*
9. *Nursing care plan for patients diagnosed with Headache.*
10. *Nursing care plan for patients diagnosed with Multiple sclerosis.*
11. *Nursing care plan for patients diagnosed with Disc disorders.*
12. *Nursing care plan for patients diagnosed with Neurologic Infections, Neuropathies, Trigeminal neuralgia, Bell Palsy.*
13. *Nursing care plan for patients diagnosed with Disorders of muscle and Disorders of neuromuscular transmission - myopathy and myasthenia gravis.*

**Recommended of required reading:**

1. BROZMAN, M. a kol. 2011. *Neurológia*. Martin: Osveta, 2011. 188 s. ISBN 9788080633394.
2. SLEZÁKOVÁ, Z. a kol. 2006. *Neurologické ošetrovatel'stvo*. Martin: Osveta, 2006. 165s. ISBN 8080632189.
3. MAREČKOVÁ, J. 2006. *Ošetrovatelské diagnózy v NANDA doménách*. Praha: Grada, 2006. 264 s. ISBN 80-247-1399-3.
4. GURKOVÁ, E. - ŽIAKOVÁ, K.- ČÁP, J. 2009. *Vybrané ošetrovatel'ské diagnózy v klinickej praxi*. Martin: Osveta, 2009. 244 s. ISBN978-80-8063-308-0.
5. TOMAGOVÁ, M.- BORIKOVÁ, I. 2008. *Potreby v ošetrovatel'stve*. Martin: Osveta, 2008. 198 s. ISBN 8080632707.

**Language:** Slovak

**Remarks:**

**Evaluation history:** Number of evaluated students 339

A	B	C	D	E	FX
14 %	17 %	22 %	27 %	27 %	0 %

**Lectures:**

*MUDr. Andrea Cimprichová*

*PhDr. Nikoleta Poliaková, PhD.*

**Last modification:** 22.4.2014

**Supervisor:** doc. PhDr. Dagmar Mastiliaková, PhD.