INSTITUTO POLITÉCNICO DE BRAGANÇA

Course Unit	Nursing in Rehabilitation			Field of study	Nursing		
Bachelor in	Nursing			School	School of Health		
Academic Year	2021/2022	Year of study	2	Level	1-2	ECTS credits	4.0
Type	Semestral	Semester	1	Code	9500-698-2102-00-21		

Workload (hours)	108	Contact hours	T	TP	PL	TC	S	E	OT	O
			-	37,5	15	-	-	-	-	-

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s): Maria José Almendra Rodrigues Gomes, Andre Filipe Morais Pinto Novo, Maria Eugénia Rodrigues Mendes

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:
1. Know the physiopathological changes and the complementary diagnosis exams of the nervous system and musculoskeletal.
2. Understand attitudes of nursing care, to person with present problems related pathophysiological changes of consciousness, sensation and movement .
3. Know the medical or surgery treatments to the pathologies in question.
4. Sustain the critical-reflexive thought and decisions make in nursing on the holistic model.
5. Plan, execute and evaluate the nursing cares in different neurological and orthopedic pathologies .
6. Understand the psycossocial effects of the pathological situation on the daily living of the pacient

Prerequisites

Before the course unit the learner is expected to be able to:
Non applicable.

Course contents

The need for movement. Complementary diagnosis exams. Bone and soft tissue traumatic injury and inflammatory situations; Intracranial hypertension; altered level of consciousness ; Patient in comatose condition; Epilepsy; Parkinson's; Cerebrovascular disease; Meningitis; cranial encephalic and spinal cord injury; demyelinating diseases .

Course contents (extended version)

1. The need for movement;
   - Physical exam of the patient
   - Athrocentesis; Arthroscopy;
   - Neurological exam; Myelography; CAT; Magnetic resonance;
   - EEG; Angiography; Lumbar puncture; Electromyography.
2. Traumatic injuries of bone and soft tissue;
   - Fractures superior and inferior extremities, pelvis and spine
   - Ligaments, muscles and tendons traumatic injuries
   - Rheumatoid Arthritis; Disseminated erythematous lupus.
   - Hip and knee total prothesis.
3. Physiopathological conditions of the CNS
   - Intracranial hypertension condition; Migraines; Sensitive and perceptive function alteration.
   - Altered level of consciousness ; Pathological motor responses;
   - Confused or disoriented patient; Patient in comatose condition.
   - Epilepsy and convulsive conditions;
   - Parkinson's desease;
   - Cerebrovascular disease;
   - Meningitis; Brain Abscesses;
   - Cranial-encephalic and spinal cord injuries;
   - Demyelinating diseases; Guillain-Barré syndrome;

Recommended reading

1. Jones, H. & Royden, Jr. (2007). Neurologia de Netter. Porto Alegre: Artemede.
2. Adrião, P. Figueiredo, A. & Carlos. J. . (2008). Ortopedia traumatologia noções essenciais. Imprensa da Universidade de Coimbra.
3. Cunha, E. L. (2005). Execução de aparelhos gessados e ligaduras de imobilização: manual para enfermeiros. Loures: Lusociência.
4. Cunha, E. L. (2008). Enfermagem em Ortopedia. Lisboa: Lidel.
5. Monahan, F. D. , Sands, J. K. , Neighbors, M. , Marek, J. F. , & Green, C. J. (2010). Phipps Enfermagem Médico-cirúrgica: perspetivas de saúde e doença (8. ª Ed.). Loures: Lusodidacta

Teaching and learning methods

Theoretical and practical classes. Practical works. Monitored study.

Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final)
   - Final Written Exam - 70% (Individual written evaluation.)
   - Intermediate Written Test - 30% (Continues evaluation.)
2. Alternative 2 - (Regular, Student Worker) (Supplementary, Special)
   - Final Written Exam - 100%

Language of instruction

Portuguese, with additional English support for foreign students.

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Electronic validation

Maria José Almendra Rodrigues Gomes	Maria Filomena Grelo de Sousa	Ana Fernanda Ribeiro Azevedo	Adília Maria Pires da Silva Fernandes
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