

B SEMESTER

BASIC PRINCIPLES OF NURSING SCIENCE

1. GENERAL

SCHOOL	HEALTH REHABILITATION SCIENCES		
ACADEMIC UNIT	NURSING		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	NUR_201	SEMESTER	2 nd
COURSE TITLE	BASIC PRINCIPLES OF NURSING SCIENCE		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
Lectures	3	8	
Clinical Skills Laboratory	2		
Tutorial	2		
COURSE TYPE	Compulsory		
PREREQUISITE COURSES:	-		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes (essay in English)		
COURSE WEBSITE (URL)	https://eclass.upatras.gr (Ctrl+κλικ)		

2. LEARNING OUTCOMES

Learning outcomes
<p>Upon completing the course, students will be able to:</p> <ul style="list-style-type: none"> • identify and evaluate the patients' basic needs and health problems • comprehend the principles that are necessary to provide quality nursing care (through evidence based practice) as well as the necessity of designing individualized nursing care • develop clinical skills in implementing nursing interventions and evaluating their outcomes • assess the importance of communicating with patients and their families and develop relevant skills • comprehend the nurses' role in the interdisciplinary health team
General Competences
<ul style="list-style-type: none"> • Search, analyze and synthesize data and information, using the necessary technologies • Adapt to new situations • Decision making • Autonomous work • Teamwork • Working in an interdisciplinary environment • Production of new research ideas • Respect for diversity and multiculturalism • Exercise criticism and self-criticism • Promoting free, creative and inductive thinking

3. SYLLABUS

1. Nursing care systems: advantages, disadvantages, selection.
 2. Principles of admission and discharge from the hospital, supervision, accountability, transfer, education and patient safety.
 3. Breathing principles, assessment and pathological types of breathing.
 4. Indications of oxygen therapy.
 5. Indications of bronchial suction - technique.
 6. Principles of medication administration: process analysis, routes of administration, pharmacokinetics, toxicity, preventing errors.
 7. Staging and prevention of sores.
 8. Principles of nursing care for patients with urinary disorders.
 9. Principles of nursing care for patients with defecation disorders.
 10. Quality of sleep and rest - sleep disorders.
 11. Dietary treatment, support of patients needing parenteral.
 12. Pain: mechanisms, evaluation, consequences, strategies in dealing with pain.
 13. Principles of kinesiology, mobility assessment, patient transfer and repositioning.
 14. Pulse oximeter, measuring blood glucose.
 15. Preoperative & Postoperative nursing care.
- The course also includes a Clinical Skills Laboratory that focuses on demonstrating and comprehending Basic Principles of Nursing Science and basic nursing skills.
- b. COURSE CONTENT (CLINICAL SKILLS LABORATORY)
- Basic principles of medication administration
 - Medication administration: rectal route
 - Oxygen therapy
 - Patient bed bath
 - Preoperative Nursing care
 - Post-operative Nursing care
 - Sterilization - Sterile sets
 - Wound care – pressure sore
 - Nasogastric intubation

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY.	Face-to-Face																	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Yes																	
TEACHING METHODS	<table border="1"> <thead> <tr> <th style="text-align: center;"><i>Activity</i></th> <th style="text-align: center;"><i>Semester workload</i></th> </tr> </thead> <tbody> <tr> <td>Face to face (lectures, questions, discussion, etc.)</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Case Study / Study and analysis of bibliography</td> <td style="text-align: center;">16</td> </tr> <tr> <td>Laboratory - skills development</td> <td style="text-align: center;">40</td> </tr> <tr> <td>Limited individual coursework</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Independent study</td> <td style="text-align: center;">60</td> </tr> <tr> <td>Final Examination</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Total course</td> <td style="text-align: center;">200</td> </tr> </tbody> </table>		<i>Activity</i>	<i>Semester workload</i>	Face to face (lectures, questions, discussion, etc.)	50	Case Study / Study and analysis of bibliography	16	Laboratory - skills development	40	Limited individual coursework	30	Independent study	60	Final Examination	4	Total course	200
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STUDENT PERFORMANCE EVALUATION	A. THEORY	
	Final written examination	70%
	Oral presentation	30%
	B. CLINICAL SKILLS LABORATORY	
	Final oral examination	100%
<p>The final exam will be written in the Greek language. Course Evaluation: Upon completing 2/3 of the semester, the students will complete a questionnaire, including closed and open-ended questions. The results of the questionnaires will be analyzed and feedback will be applied in order to improve the course.</p>		

5. ATTACHED BIBLIOGRAPHY

- Basic Nursing and clinical skills. POTTER, PERRY. Paschalidis Publications 2011, Athens.
- Nursing in clinical practice. BERMAN, JACKSON, SNYDER. Lagos Publications 2011, Athens.
- Basic and specialized nursing activities.. MOSBY. Beta Publications 2011, Athens.