

Information sheet for the course Nursing Procedures and Techniques

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>OsePT/d</i>	Course unit title: <i>Nursing Procedures and Techniques</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; full-time</i> <i>Seminar: 10 hours weekly/130 hours per semester of study; full-time</i>	
Number of credits: <i>6</i>	
Recommended semester: <i>1st semester in the 1st year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>Students will acquire 100 points per semester</i> <ul style="list-style-type: none"> - <i>Mandatory participation in classes with continuous testing (20 points)</i> - <i>Obligatory 3 sub-classification tests (max. 30 points, min. 18 points) – assessment for each sub-test: A – 10 points, B – 9 points, C – 8 points, D – 7 points, E – 6 points.</i> - <i>Theoretical and practical exam (max. 50 points) – assessment: A – 50 to 46 points, B – 45 to 41 points, C – 40 to 37 points, D – 39 to 36 points, E – 35 to 32 points).</i> <p><i>Meeting the conditions a) and b) is a prerequisite for being allowed to take part in the theoretical-practical exam.</i></p> <p><i>Assessment:</i></p> <p><i>100 – 94 points: A</i></p> <p><i>93 – 88 points: B</i></p> <p><i>87 – 82 points: C</i></p> <p><i>81 – 76 points: D</i></p> <p><i>75 – 70 points: E</i></p> <p><i>69 – 0 points: FX</i></p>	
Learning outcomes of the course unit: <i>Students completing the course Nursing Procedures and Techniques acquire theoretical knowledge and practical skills necessary to manage a patient care under natural conditions of health facilities in different areas of the course syllabus.</i>	
Course contents: Lectures: <ol style="list-style-type: none"> <i>1. Bandages and dressings. Principles of bandaging.</i> <i>2. Care for medical instruments. Classification of instruments. Principles of decontamination, disinfection, sterilization.</i> <i>3. Care for beds. Types of hospital beds. Accessories of hospital beds.</i> <i>4. Documentation. Hospitalization, transfer, and discharge of a patient.</i> <i>5. Hygienic care. Objectives of hygienic care. Caring for emptying. Management of preventing bedsores.</i> <i>6. Physical activity. Positioning, types of positions. Complications of immobility. Demands on physical activity of nurses in caring for the sick.</i> <i>7. Monitoring of physiological functions (body temperature, heartbeats, breathing, and blood pressure). Monitoring of weight and height.</i> <i>8. Dosing of medication. Forms of drugs, the effects of drugs, types of application, principles of</i> 	

application of each type of medication. Principles of dosing of selected classes of drugs (analgesics, opioids). Medication dosing management.

9. *Application of injections. Types of injections. Syringes and needles. Complications in applying each type of injection. Application of insulin, heparin, and antibiotics.*
10. *Infusion, transfusion, parenteral nutrition. Types of infusion solutions, blood components. Preparation of parenteral nutrition. Principles of application. Complications after transfusion.*
11. *Collecting biological material for examination. Types of biological material. Types of tests. The role of nurses in the collection of biological material, the principles of sampling. Documentation.*
12. *Examination of sight, hearing, grand round. Endoscopic examination methods.*
13. *ECG. Care for the dying patient. Palliative care.*

Seminars:

1. *Techniques of bandaging – triangular bandage, sling bandage, patch bandages, gauze bandages, immobilization bandages, and tube bandages. Recording in nursing documentation.*
2. *Disinfection. Selection of appropriate means of disinfection according to the application scope. Types of disinfection solutions, preparation of the solution for use. Sterilization, selection of a proper sterilization method, preparation of material for sterilization, handling of the sterile material.*
3. *Care for beds. Adjustment of hospital beds for adults, for children. Adjusting the patient bed lengthwise, widthwise. Use of bed accessories.*
4. *Serving meals. The dietary system. Ordering, transportation, preparation and distribution of meals within the nursing unit. Serving meals to patients, feeding. Enteral feeding application (introduction of nasogastric or orogastric tube). Nutrition of infants and toddlers.*
5. *Hygienic care. Morning and evening hygienic care, whole body washing. Bathing of the infant. Care of the patient's clothing. Hair care, washing, delousing. Oral cavity care.*
6. *Care for urination – catheterization. Catheterization of a woman, introduction of the indwelling catheter. Assistance with catheterization of a man. Emptying the urinary bladder. Enema – application of purifying, diagnostic, therapeutic enema, micro-enema.*
7. *The measurement and recording of physiological functions (body temperature, heartbeats, breathing, blood pressure), measuring and recording the weight and height.*
8. *Oral medication. Administration of drugs to the skin, eye, ear, nose. Application of drugs to body cavities. Drug application via the respiratory tract.*
9. *Application of injections. Aspirating of drugs from an ampoule, vial. The methodology and technique of intradermal, subcutaneous, intramuscular, intravenous injection. Methodology of application of insulin, heparin, low molecular weight heparin.*
10. *Infusion – preparation of infusion solution, methodology of application. Assistance at applying a transfusion. Pre-transfusion examinations. Patient monitoring during the infusion, transfusion, parenteral nutrition. Documentation.*
11. *Methodology and technique of sampling various types of biological material. Collection of blood, urine, stool, sputum, gastric juice, duodenal juice, collection of material from the surface of the body, pathological deposits, cavities, and mucosa.*
12. *Preparation and assistance at selected surgical procedures. Treatment of aseptic wounds, septic wounds, stomata. Preparing a sterile table. Puncture – types of punctures, assistance with puncture.*
13. *Gynecological-obstetric care. Care for the woman in gynecology, at a gynecological examination. Care for the pregnant woman. Care for the new-born child.*

Recommended of required reading:

1. *KRIŠKOVÁ, A. a kol.: Ošetrovatel'ské techniky. Metodika sesternských činností. Martin:*

- Osveta*, 2006, 779 p. ISBN 80-8063-202-2
2. KONTROVÁ, L. - ZÁČEKOVÁ, M. - HULKOVÁ, V. a kol.: *Štandardy v ošetrovatel'stve*. Martin: Osveta, 2005. 215 p. ISBN 80-8063-198-0
 3. KOZIEROVÁ, B. - ERBOVÁ, G. - OLIVIEROVÁ, R.: *Ošetrovatel'stvo 1, 2*. Martin: Osveta 1995, 1. vyd. 1474 p. ISBN 80-217-0528-0.
 4. Kolektív autorov: *Ošetrovatel'ské techniky*. Trnava: TUT, 2011. 387 p. ISBN 978-80-8082-456-3.
 5. MIKŠOVÁ, Z. et al.: *Kapitoly z ošetrovateľskej péče I*. Praha: Grada, 2006. 248 p. ISBN 80-247-1442-6.
 6. Odborné usmernenie MZ SR pre tvorbu, implementáciu a hodnotenie štandardov v ošetrovatel'stve a pôrodnej asistencii č.16138-2/2004-00 z 2.8.2004.
 7. REPKOVÁ, A. et al.: *Gynekologické ošetrovatel'stvo*. Martin: Osveta, 2006. 138 p. ISBN 80-8063-236-7.
 8. ŠAMÁNKOVÁ, M. et al.: *Základy ošetrovatel'ství*. Praha: UK, 2006. 353 p. ISBN 80-246-1091-4.
 9. ŠTEFKOVIČOVÁ, M. et al.: *Dezinfekcia a sterilizácia, teória a prax II*. Žilina: vyd. Vrana, 2007. 164 p. ISBN 978-80-968248-3-0.
 10. VESTNÍK MZ SR ročník 57, čiastka 42-48 zo dňa 15. októbra 2009. Odborné usmernenie MZ SR o vedení zdravotnej dokumentácie
 11. VYTEJČKOVÁ, R. - SEDLÁŘOVÁ, P. - WIRTHOVÁ, V. - HOLUBOVÁ, J.: *Ošetrovatel'ské postupy v péči o nemocné I*. Praha : Grada, 2011. 256 p. ISBN 978-80-247-3419-4.
 12. VYTEJČKOVÁ, R. - SEDLÁŘOVÁ, P. - OTRADOVCOVÁ, I. - PAVLÍKOVÁ, P.: *Ošetrovatel'ské postupy v péči o nemocné II*. Praha: Grada, 2013. 288 p. ISBN 978-80-247-3420-0.
 13. ZÁČEKOVÁ, M. - SIMOČKOVÁ, V. - KONTROVÁ, L.: *Štandardy v pôrodnej asistencii*. Martin : Osveta, 2006. 120 p. ISBN 80-8063-221-9.
 14. Zákon NR SR č.576/2004 Z.z. o zdravotnej starostlivosti, službách súvisiacich s poskytovaním zdravotnej starostlivosti a o zmene a doplnení niektorých zákonov z 21. októbra 2004.

Language: Slovak

Remarks:

Evaluation history: Number of evaluated students 367

A	B	C	D	E	FX
28	28	21	14	9	0

Lecturers:

Lecture: PhDr. Iveta Matišáková, PhD.

Seminar: PhDr. Katarína Gerlichová, PhD., PhDr. Kamila Jurdíková, PhDr. Anna Litvinová, PhD., PhDr. Iveta Matišáková, PhD., PhDr. Mariana Mišinová, PhDr. Nikoleta Poliaková, PhD., PhDr. Darina Šimovcová, PhD.

Last modification: 22.4.2014

Supervisor: doc. PhDr. Dagmar Mastiliaková, PhD.