

## SYLLABUS FOR THE STUDY OF SELECTED TECHNIQUES OF MEDICAL PROCEDURES IN PRIMARY HEALTH CARE

### A. General description of the subject

CATEGORY	DESCRIPTION
Name of the subject	<b>Selected Techniques of Medical Procedures in Primary Health Care</b>
Department offering the subject	<b>Department of Medical Simulation Faculty of Medicine Collegium Medicum in Bydgoszcz Nicolaus Copernicus University in Torun</b>
Unit for which the subject is offered	<b>Faculty of Medicine, Collegium Medicum NCU Field of study: Medicine Paid Full-Time Studies in English</b>
Subject code	1600-LekM12PPOPOZ-J
ISCED code	<b>0912</b>
Number of ECTS points	<b>1</b>
Method of assessment	<b>Graded credit as a part of module</b>
Language of instruction	<b>English</b>
Designation whether a subject may be credited more than once	<b>No</b>
Group of subjects	<b>Module: Preparation for Work Placement in Healthcare Centres</b>
Structure and total class time	<p>1. Workload associated with direct participation of academic teachers:</p> <ul style="list-style-type: none"> <li>- tutorials: <b>15h</b></li> <li>- consultations: <b>0.5h</b></li> <li>- final test: <b>1h + 0.5h = 1.5h</b></li> </ul> <p>Total workload involving the direct participation of academic teachers: <b>17h</b>, which equals <b>0.68 of an ECTS point</b>.</p> <p>2. Total student workload:</p> <ul style="list-style-type: none"> <li>- tutorials: <b>15h</b> (<i>15h in the Centre for Medical Simulation</i>)</li> <li>- consultations: <b>0.5h</b></li> <li>- preparation for tutorials (including required reading of scientific literature): <b>3.5h</b></li> <li>- preparation for final test: <b>4.5h</b></li> <li>- final test: <b>1.5h</b></li> </ul> <p>Total student workload: <b>25h</b>, which equals <b>1 ECTS point</b>.</p> <p>3. Workload associated with research:</p> <ul style="list-style-type: none"> <li>- required reading of scientific literature: <b>2.5h</b></li> <li>- participation in tutorials (involving the study of selected techniques of medical procedures and relevant research): <b>8h</b></li> <li>- final test preparation related to research in the field of selected techniques of medical procedures: <b>2.5h</b></li> </ul> <p>Total student workload associated with research: <b>13h</b>, which equals <b>0.52 of an ECTS point</b>.</p>

	<p>4. Time requirements for preparation and participation in the student assessment process:</p> <ul style="list-style-type: none"> <li>- preparation for final test: <b>4.5h</b></li> <li>- final test: <b>1.5h</b></li> </ul> <p>Total student workload associated with preparation and participation in the assessment process: <b>6h</b>, which equals <b>0.24 of an ECTS point</b>.</p> <p>5. Student workload connected to practical skills classes:</p> <ul style="list-style-type: none"> <li>- participation in tutorials (including practical examination): <b>15h</b></li> </ul> <p>Total student workload associated with practical skills: <b>15h</b>, which equals <b>0.6 of an ECTS point</b>.</p> <p>6. Time required to complete the obligatory internship: N/A</p>
<b>Learning outcomes: knowledge</b>	<p>W1: Characterizes the principles of asepsis and antisepsis (B K_W30).</p> <p>W2: Describes the rules regarding the collection of biological materials used in diagnostic testing (E K_W37).</p> <p>W3: Characterizes the basic diagnostic techniques used in patient primary care (B K_W30).</p> <p>W4: Discusses selected treatment techniques related to basic nursing procedures (B K_W30).</p>
<b>Learning outcomes: practical skills</b>	<p>U1: Predicts the possible consequences related to the spread of infections (E K_U16).</p> <p>U2: Properly uses protective equipment in order to appropriately provide the needed nursing care (E K_U29).</p> <p>U3: Monitors a patient's basic vital signs by the use of non-invasive methods (E K_U16, E K_U29).</p> <p>U4: Performs peripheral intravenous access (F K_U05).</p> <p>U5: Utilizes selected blood sampling techniques for diagnostic testing (E K_U28, E K_U29).</p> <p>U6: Properly carries out the preparation and administration of medicines (E K_U29).</p> <p>U7: Performs diagnostic procedures related to basic medical care (E K_U16, E K_U29).</p> <p>U8: Performs basic therapeutic procedures such as: ventilation, defibrillation utilizing an AED, and urinary bladder catheterization (E K_U29).</p>
<b>Learning outcomes: social skills</b>	<p>K1: Demonstrates the ability to properly solve problems encountered in a variety of situations (K_K04).</p> <p>K2: Takes ownership and responsibility for the quality of the medical care provided (K_K04).</p>
<b>Teaching methods</b>	<p><b>Tutorials:</b></p> <ul style="list-style-type: none"> <li>• demonstrations with added instructions</li> <li>• development and improvement of practical skills</li> <li>• didactic workshops with the use of medical equipment</li> <li>• utilization of medical simulation methods (case study of simulated patient)</li> </ul>
<b>Prerequisites</b>	<p>Students beginning their education in the subject of selected techniques of medical procedures in primary healthcare should possess a basic understanding of the physiology and anatomy of the cardiovascular system, the respiratory system, and the central nervous system.</p>

<b>Brief description of the subject</b>	The subject of selected techniques of medical procedures in primary healthcare aims to develop skills in basic nursing, diagnostic and therapeutic procedures which are necessary in every-day work of various departments of a multi-specialized hospital.
<b>Complete/Full description of the subject</b>	The tutorials will provide students with the necessary practical skills related to the care of hospitalized patients. These skills will include: the general principles related to the care of hospitalized patients; asepsis and antisepsis; familiarity with the required equipment used in basic nursing, diagnostic and therapeutic procedures; the assessment of basic vital signs; the different routes of administration of various medicines; the implementation of proper therapeutic techniques in basic healthcare.
<b>Literature</b>	<b>Basic literature:</b> Dehn Richard, Asprey David, <i>Essential Clinical Procedures</i> , Elsevier 2013. <b>Supplementary literature:</b> Dougherty Lisa, Lister Sara, West-Oram Alexandra, <i>The Royal Marsden Manual of Clinical Nursing Procedures</i> , Wiley-Blackwell 2015.
<b>Assessment methods and criteria</b>	Oral test (> 75%): W1 – W4, U1, U3, U6, U7 Practical test - module (> 75%): W1, W2, U1 – U8 Final written test - module (>56%):W1 – W4, U1, U3, U6, U7, U8. Extended observation (> 50%): K1 – K2
<b>Obligatory internship</b>	<i>Not applicable</i>

### B) Description of the subject of the cycle

<b>CATEGORY</b>	<b>DESCRIPTION</b>
<b>Didactic cycle</b>	<b>2018/2019 Summer</b>
<b>Method of assessment</b>	<b>Graded credit as a part of module</b>
<b>Type of classes, length of classes and method of assessment</b>	Tutorials: <b>15h – practical skills test, pass/fail</b>
<b>Subject coordinators</b>	<b>Julita Soczywko, PhD</b>
<b>Subject teachers</b>	<b>Tutorials:</b> Dorota Rutkowska, MD
<b>Group of subjects</b>	<b>Obligatory</b>
<b>Student groups and maximum number of students in each group</b>	<b>Tutorials: groups of 6-12 students</b>
<b>Dates and location of classes</b>	<b>Information provided by CM Department of Didactics</b> <b>Location: Centre for Medical Simulation</b>
<b>Number of hours using distance learning methods and techniques</b>	<b>Not applicable</b>
<b>Subject website</b>	<b>Not applicable</b>

<b>Learning outcomes of various types of classes</b>	<p style="text-align: center;"><b>Tutorials:</b></p> <p>W1: Characterizes the principles of asepsis and antisepsis (B K_W30).</p> <p>W2: Describes the rules regarding the collection of biological materials used in diagnostic testing (E K_W37).</p> <p>W3: Characterizes the basic diagnostic techniques used in patient primary care (B K_W30).</p> <p>W4: Discusses selected treatment techniques related to basic nursing procedures (B K_W30).</p> <p>U1: Predicts the possible consequences related to the spread of infections (E K_U16).</p> <p>U2: Properly uses protective equipment in order to appropriately provide the needed nursing care (E K_U29).</p> <p>U3: Monitors a patient's basic vital signs by the use of non-invasive methods (E K_U16, E K_U29).</p> <p>U4: Performs peripheral intravenous access (F K_U05).</p> <p>U5: Utilizes selected blood sampling techniques for diagnostic testing (E K_U28, E K_U29).</p> <p>U6: Properly carries out the preparation and administration of medicines (E K_U29).</p> <p>U7: Performs diagnostic procedures related to basic medical care (E K_U16, E K_U29).</p> <p>U8: Performs basic therapeutic procedures such as: ventilation, defibrillation utilizing an AED, and urinary bladder catheterization (E K_U29).</p> <p>K1: Demonstrates the ability to properly solve problems encountered in a variety of situations (K_K04).</p> <p>K2: Takes ownership and responsibility for the quality of the medical care provided (K_K04).</p>
<b>Methods and criteria of assessment in each type of class</b>	<p>Oral test (&gt; 75%): W1 – W4, U1, U3, U6, U7</p> <p>Practical test - module (&gt; 75%): W1, W2, U1 – U8</p> <p>Final written test - module (&gt;56%):W1 – W4, U1, U3, U6, U7, U8.</p> <p>Extended observation (&gt; 50%): K1 – K2</p>
<b>Range of topics</b>	<p><b>Topics of tutorials:</b></p> <ol style="list-style-type: none"> <li>1. Prevention of infection.</li> <li>2. Treatment with medications administered via different routes.</li> <li>3. Required procedures of peripheral intravenous access.</li> <li>4. The collection of biological materials.</li> <li>5. Diagnostic techniques used in the field of nursing.</li> <li>6. Selected therapeutic methods utilized in patient primary care.</li> </ol>
<b>Teaching methods</b>	<p><b>Tutorials:</b></p> <ul style="list-style-type: none"> <li>• demonstrations with added instructions</li> <li>• development and improvement of practical skills</li> <li>• didactic workshops with the use of medical equipment</li> <li>• utilization of medical simulation methods (case study of simulated patient)</li> </ul>
<b>Literature</b>	The same as in part A.