

SYLLABUS

STATE UNIVERSITY OF APPLIED SCIENCES IN WLOCLAWEK

Nazwa przedmiotu: Anesthesiology and nursing in life-threatening nursing in life-threatening

Faculty:		first-cycle nursing studies (undergraduate)						Course Code	
Speciality/specialization:		not applicable							
Unit hosting the Faculty:		Faculty of Health Sciences							
Course Profile:		PRACTICAL PROFILE							
Course Language:		Polish/English							
Course Category:		Core Course							
Academic year: 2021/2022							Semester: VI		
Number of hours required to complete the course in full time-mode									
TOTAL	lecture	ACTIVE FORMS							
		ZBUN	classes	conservatory	labs	seminar	workshops		professional training
215	30	25					K 72	S 8	80
Module name	Specialized care sciences Specialized care sciences – workshops Specialized care sciences – professional training								
Number of hours required to complete the course in part-time mode:									
TOTAL	lecture	ACTIVE FORMS							
		ZBUN	classes	conservatory	labs	seminar	workshops		professional training
Module name									
Method of carrying out all active forms of classes:		Classes are conducted: <ul style="list-style-type: none"> – in the teaching room – in a health care facility – in the Medical Simulation Center – lecture using distance learning methods and techniques 							
Specification of introductory courses with prerequisites:		The student should have basic knowledge of anatomy, physiology, pathology, basics of nursing, internal medicine nursing, surgical nursing, pediatric nursing, geriatric nursing, obstetrics and gynecological nursing, psychiatric nursing, palliative care, basics of rehabilitation, basics of psychology and public health.							
Education goal:		After completing the education program, the student will know the specifics and procedures of nursing procedures in anesthesiology and life-threatening conditions. The student will become familiar with anesthetic terminology important in performing professional activities of a nurse. The student will be able to provide holistic care to patients undergoing anesthesia and hospitalized in the intensive care unit.							

Learning outcome and methods of verification	COURSE		
	Knowledge		
		K_D.W01. The student knows the risk factors and health threats in patients of different ages	test using the Moodle platform
		K_D.W02. The student knows the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases.	test using the Moodle platform
		K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care	test using the Moodle platform
		K_D.W04. The student knows the types of diagnostic tests and the rules for ordering them	test using the Moodle platform
		K_D.W05. The student knows the principles of preparing patients of various ages and health conditions for diagnostic tests and procedures, as well as the principles of care during and after these tests and procedures.	test using the Moodle platform
		K_D.W06. The student knows the properties of groups of drugs and their effect on the patient's systems and organs in various diseases depending on age and health status, including side effects, interactions with other drugs and routes of administration;	test using the Moodle platform
		K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions	test using the Moodle platform
		K_D.W08. The student knows the patient's reactions to illness, admission to hospital, hospitalization	test using the Moodle platform
		K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater	test using the Moodle platform
		K_D.W14 patofizjologię, objawy kliniczne chorób i stanów zagrożenia życia noworodka, w tym wcześniaka oraz podstawy opieki pielęgniarstwa w tym zakresie;	test using the Moodle platform
		K_D.W18 metody, techniki i narzędzia oceny stanu świadomości i przytomności;	test using the Moodle platform
		K_D.W27 The student knows the course and methods of rehabilitation in various diseases;	test using the Moodle platform
		K_D.W28 The student knows the standards and procedures for emergency situations and life-saving procedures;	test using the Moodle platform
		K_D.W29 The student knows the principles of patient observation after surgery, including basic and extended monitoring;	test using the Moodle platform
		K_D.W30 The student knows the methods of anesthesia and the principles of patient care after anesthesia;	test using the Moodle platform
		K_D.W31 The student knows the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system failure, shock, sepsis);	test using the Moodle platform
		K_D.W32 The student knows the methods and scales for assessing pain, the level of sedation, sleep disorders and delirious states in patients with life-threatening conditions	test using the Moodle platform
		K_D.W33. The student knows methods and techniques of communicating with a patient who is unable to establish and maintain effective communication due to his health condition or treatment.	test using the Moodle platform
		K_D.W34 The student knows the principles of preventing complications related to the use of invasive diagnostic and therapeutic techniques in critically ill patients;	test using the Moodle platform
		K_D.W35 The student knows the principles of first aid and algorithms for resuscitation procedures and advanced life support	test using the Moodle platform
	Skills	K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care	practical test, exercises in medical simulation, final paper
		K_D.U02 The student is able to provide self-care counseling to patients of various ages and health conditions regarding developmental defects, diseases and addictions	practical test, observation
		K_D.U03 The student is able to prevent complications occurring in the course of diseases	practical test, observation
		K_D.U08 The student is able to recognize complications after specialized diagnostic tests and surgical procedures	practical test, observation
		K_D.U09 The student is able to administer oxygen to the patient ad hoc and monitor his condition during oxygen therapy	practical test, observation
		K_D.U10 The student is able to perform an electrocardiographic examination and recognize life-threatening disorders	practical test, observation
		K_D.U11 The student is able to modify the fixed dose of fast- and short-acting insulin	practical test, observation

		K_D.U12 The student is able to prepare the patient physically and mentally for diagnostic tests	practical test, observation
		K_D.U13 The student is able to issue a referral for specific diagnostic tests	practical test, observation
		K_D.U15 The student is able to document the patient's health situation, the dynamics of its changes and the nursing care provided, including IT tools for data collection.	practical test, observation
		K_D.U17 The student is able to provide enteral nutrition (through a feeding tube and a nutritional fistula) and parenteral nutrition to adults and children.	practical test, observation
		K_D.U18 The student is able to recognize complications of pharmacological, dietary, rehabilitation and medical and care treatment	Test, practical test, observation
		K_D.U19 The student is able to care for a patient with an intestinal fistula and an endotracheal and tracheostomy tube	practical test, observation, final paper
		K_D.U20 The student is able to conduct a therapeutic conversation;	practical test, observation
		K_D.U21 The student is able to conduct bedside rehabilitation and activation using elements of occupational therapy	practical test, observation
		K_D.U22 The student is able to provide information to members of the therapeutic team about the patient's health condition	practical test, observation
		K_D.U23 The student is able to assist the doctor during diagnostic tests	practical test, observation
		K_D.U24 The student is able to assess the level of pain, the patient's reaction to pain and its intensity, and apply pharmacological and non-pharmacological analgesic treatments.	practical test, observation
		K_D.U25 The student is able to follow the procedure with the body of a deceased patient	practical test, observation
		K_D.U26 The student is able to prepare and administer medications to patients in various ways, independently or on the order of a doctor	practical test, observation
		K_D.U27 The student is able to provide first aid in situations of immediate life threat	practical test, observation
		K_D.U30 The student is able to perform basic resuscitation procedures in adults and children and use an Automated External Defibrillator (AED) and device-free airway opening as well as instrumented airway opening using available supraglottic devices.	practical test, observation
	<i>Social Competences</i>	K_E.K01. The student is guided by the good of the patient, respects the dignity and autonomy of people entrusted to care, shows understanding for ideological and cultural differences and empathy in the relationship with the patient and his family	observation
		K_E.K02. The student respects the patient's rights	observation
		K_E.K03. The student independently and reliably performs his/her profession in accordance with ethical principles, including observing moral values and obligations in patient care	observation
		K_E.K04. The student is responsible for performing professional activities	observation
		K_E.K05. The student seeks the opinion of experts in case of difficulties in solving the problem independently	observation
		K_E.K06. The student anticipates and takes into account factors influencing his own and the patient's reactions	observation
		K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs	observation
	LECTURES		
	<i>Knowledge</i>	K_D.W01. The student knows the risk factors and health threats in patients of different ages	
		K_D.W02. The student knows the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases.	
		K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care	
		K_D.W04. The student knows the types of diagnostic tests and the rules for ordering them	
		K_D.W05. The student knows the principles of preparing patients of various ages and health conditions for diagnostic tests and procedures, as well as the principles of care during and after these tests and procedures.	
		K_D.W06. The student knows the properties of groups of drugs and their effect on the patient's systems and organs in various diseases depending on age and health status, including side effects, interactions with other drugs and routes of administration;	
		K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions	
		K_D.W08. The student knows the patient's reactions to illness, admission to hospital, hospitalization	

		K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater
		K_D.W14 patofizjologię, objawy kliniczne chorób i stanów zagrożenia życia noworodka, w tym wcześniaka oraz podstawy opieki pielęgnarskiej w tym zakresie;
		K_D.W18 metody, techniki i narzędzia oceny stanu świadomości i przytomności;
		K_D.W27 The student knows the course and methods of rehabilitation in various diseases;
		K_D.W28 The student knows the standards and procedures for emergency situations and life-saving procedures;
		K_D.W29 The student knows the principles of patient observation after surgery, including basic and extended monitoring;
		K_D.W30 The student knows the methods of anesthesia and the principles of patient care after anesthesia;
		K_D.W31 The student knows the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system failure, shock, sepsis);
		K_D.W32 The student knows the methods and scales for assessing pain, the level of sedation, sleep disorders and delirious states in patients with life-threatening conditions
		K_D.W33. The student knows methods and techniques of communicating with a patient who is unable to establish and maintain effective communication due to his health condition or treatment.
		K_D.W34 The student knows the principles of preventing complications related to the use of invasive diagnostic and therapeutic techniques in critically ill patients;
		K_D.W35 The student knows the principles of first aid and algorithms for resuscitation procedures and advanced life support
	<i>Skills</i>	K_D.U18 The student is able to recognize complications of pharmacological, dietary, rehabilitation and medical and care treatment
	<i>Social Competences</i>	K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs
	WORKSHOPS	
	<i>Knowledge</i>	K_D.W01. The student knows the risk factors and health threats in patients of different ages
		K_D.W02. The student knows the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases.
		K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care
		K_D.W04. The student knows the types of diagnostic tests and the rules for ordering them
		K_D.W05. The student knows the principles of preparing patients of various ages and health conditions for diagnostic tests and procedures, as well as the principles of care during and after these tests and procedures.
		K_D.W06. The student knows the properties of groups of drugs and their effect on the patient's systems and organs in various diseases depending on age and health status, including side effects, interactions with other drugs and routes of administration;
		K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions
		K_D.W08. The student knows the patient's reactions to illness, admission to hospital, hospitalization
		K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater
		K_D.W29 The student knows the principles of patient observation after surgery, including basic and extended monitoring;
		K_D.W30 The student knows the methods of anesthesia and the principles of patient care after anesthesia;
		K_D.W31 The student knows the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system failure, shock, sepsis);
		K_D.W32 The student knows the methods and scales for assessing pain, the level of sedation, sleep disorders and delirious states in patients with life-threatening conditions

		K_D.W33. The student knows methods and techniques of communicating with a patient who is unable to establish and maintain effective communication due to his health condition or treatment.
		K_D.W34 The student knows the principles of preventing complications related to the use of invasive diagnostic and therapeutic techniques in critically ill patients;
		K_D.W35 The student knows the principles of first aid and algorithms for resuscitation procedures and advanced life support
	<i>Skills</i>	K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care
		K_D.U02 The student is able to provide self-care counseling to patients of various ages and health conditions regarding developmental defects, diseases and addictions
		K_D.U03 The student is able to prevent complications occurring in the course of diseases
		K_D.U08 The student is able to recognize complications after specialized diagnostic tests and surgical procedures
		K_D.U09 The student is able to administer oxygen to the patient ad hoc and monitor his condition during oxygen therapy
		K_D.U10 The student is able to perform an electrocardiographic examination and recognize life-threatening disorders
		K_D.U11 The student is able to modify the fixed dose of fast- and short-acting insulin
		K_D.U12 The student is able to prepare the patient physically and mentally for diagnostic tests
		K_D.U13 The student is able to issue a referral for specific diagnostic tests
		K_D.U15 The student is able to document the patient's health situation, the dynamics of its changes and the nursing care provided, including IT tools for data collection.
		K_D.U17 The student is able to provide enteral nutrition (through a feeding tube and a nutritional fistula) and parenteral nutrition to adults and children.
		K_D.U18 The student is able to recognize complications of pharmacological, dietary, rehabilitation and medical and care treatment
		K_D.U19 The student is able to care for a patient with an intestinal fistula and an endotracheal and tracheostomy tube
		K_D.U20 The student is able to conduct a therapeutic conversation;
		K_D.U21 The student is able to conduct bedside rehabilitation and activation using elements of occupational therapy
		K_D.U22 The student is able to provide information to members of the therapeutic team about the patient's health condition
		K_D.U23 The student is able to assist the doctor during diagnostic tests
		K_D.U24 The student is able to assess the level of pain, the patient's reaction to pain and its intensity, and apply pharmacological and non-pharmacological analgesic treatments.
		K_D.U25 The student is able to follow the procedure with the body of a deceased patient
		K_D.U26 The student is able to prepare and administer medications to patients in various ways, independently or on the order of a doctor
		K_D.U27 The student is able to provide first aid in situations of immediate life threat
		K_D.U30 The student is able to perform basic resuscitation procedures in adults and children and use an Automated External Defibrillator (AED) and device-free airway opening as well as instrumented airway opening using available supraglottic devices.
	<i>Social Competences</i>	K_E.K01. The student is guided by the good of the patient, respects the dignity and autonomy of people entrusted to care, shows understanding for ideological and cultural differences and empathy in the relationship with the patient and his family
		K_E.K02. The student respects the patient's rights
		K_E.K03. The student independently and reliably performs his/her profession in accordance with ethical principles, including observing moral values and obligations in patient care
		K_E.K04. The student is responsible for performing professional activities
		K_E.K05. The student seeks the opinion of experts in case of difficulties in solving the problem independently
		K_E.K06. The student anticipates and takes into account factors influencing his own and the patient's reactions
		K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs
	WORKSHOPS IN MEDICAL SIMULATION CONDITIONS	
	<i>Knowledge</i>	K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care

	<i>Skills</i>	K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care
	<i>Social Competences</i>	K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs
	PROFESSIONAL TRAINING	
	<i>Knowledge</i>	K_D.W01. The student knows the risk factors and health threats in patients of different ages
		K_D.W02. The student knows the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases.
		K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care
		K_D.W04. The student knows the types of diagnostic tests and the rules for ordering them
		K_D.W05. The student knows the principles of preparing patients of various ages and health conditions for diagnostic tests and procedures, as well as the principles of care during and after these tests and procedures.
		K_D.W06. The student knows the properties of groups of drugs and their effect on the patient's systems and organs in various diseases depending on age and health status, including side effects, interactions with other drugs and routes of administration;
		K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions
		K_D.W08. The student knows the patient's reactions to illness, admission to hospital, hospitalization
		K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater
		K_D.W29 The student knows the principles of patient observation after surgery, including basic and extended monitoring;
		K_D.W30 The student knows the methods of anesthesia and the principles of patient care after anesthesia;
		K_D.W31 The student knows the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system failure, shock, sepsis);
		K_D.W32 The student knows the methods and scales for assessing pain, the level of sedation, sleep disorders and delirious states in patients with life-threatening conditions
		K_D.W33. The student knows methods and techniques of communicating with a patient who is unable to establish and maintain effective communication due to his health condition or treatment.
		K_D.W34 The student knows the principles of preventing complications related to the use of invasive diagnostic and therapeutic techniques in critically ill patients;
		K_D.W35 The student knows the principles of first aid and algorithms for resuscitation procedures and advanced life support
	<i>Skills</i>	K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care
		K_D.U02 The student is able to provide self-care counseling to patients of various ages and health conditions regarding developmental defects, diseases and addictions
		K_D.U03 The student is able to prevent complications occurring in the course of diseases
		K_D.U08 The student is able to recognize complications after specialized diagnostic tests and surgical procedures
		K_D.U09 The student is able to administer oxygen to the patient ad hoc and monitor his condition during oxygen therapy
		K_D.U10 The student is able to perform an electrocardiographic examination and recognize life-threatening disorders
		K_D.U11 The student is able to modify the fixed dose of fast- and short-acting insulin
		K_D.U12 The student is able to prepare the patient physically and mentally for diagnostic tests
		K_D.U13 The student is able to issue a referral for specific diagnostic tests
		K_D.U15 The student is able to document the patient's health situation, the dynamics of its changes and the nursing care provided, including IT tools for data collection.
		K_D.U17 The student is able to provide enteral nutrition (through a feeding tube and a nutritional fistula) and parenteral nutrition to adults and children.
		K_D.U18 The student is able to recognize complications of pharmacological, dietary, rehabilitation and medical and care treatment
		K_D.U19 The student is able to care for a patient with an intestinal fistula and an endotracheal and tracheostomy tube
		K_D.U20 The student is able to conduct a therapeutic conversation;

		K_D.U21 The student is able to conduct bedside rehabilitation and activation using elements of occupational therapy		
		K_D.U22 The student is able to provide information to members of the therapeutic team about the patient's health condition		
		K_D.U23 The student is able to assist the doctor during diagnostic tests		
		K_D.U24 The student is able to assess the level of pain, the patient's reaction to pain and its intensity, and apply pharmacological and non-pharmacological analgesic treatments.		
		K_D.U25 The student is able to follow the procedure with the body of a deceased patient		
		K_D.U26 The student is able to prepare and administer medications to patients in various ways, independently or on the order of a doctor		
		K_D.U27 The student is able to provide first aid in situations of immediate life threat		
		K_D.U30 The student is able to perform basic resuscitation procedures in adults and children and use an Automated External Defibrillator (AED) and device-free airway opening as well as instrumented airway opening using available supraglottic devices.		
	Social Competences	K_E.K01. The student is guided by the good of the patient, respects the dignity and autonomy of people entrusted to care, shows understanding for ideological and cultural differences and empathy in the relationship with the patient and his family		
		K_E.K02. The student respects the patient's rights		
		K_E.K03. The student independently and reliably performs his/her profession in accordance with ethical principles, including observing moral values and obligations in patient care		
		K_E.K04. The student is responsible for performing professional activities		
		K_E.K05. The student seeks the opinion of experts in case of difficulties in solving the problem independently		
		K_E.K06. The student anticipates and takes into account factors influencing his own and the patient's reactions		
		K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs		
ZBUN	Knowledge	K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions		
		K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater		
	Skills	K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care		
		K_D.U19 The student is able to care for a patient with an intestinal fistula and an endotracheal and tracheostomy tube		
	Social Competences	K_E.K05. The student seeks the opinion of experts in case of difficulties in solving the problem independently		
		K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs		
	Curriculum		Reference to learning outcomes /Symbol of the implemented learning outcome/	NUMBER OF HOURS
Lectures				
1. The nature and specificity of an anesthetic nurse's work in the operating theater and in the intensive care unit. Nurse's participation in preparing patients for anesthesia, anesthesia for children and adults, post-anesthesia care.		K_D.W01 K_D.W02 K_D.W03 K_D.W04 K_D.W05 K_D.W06 K_D.W07 K_D.W29 K_D.W30 K_D.W34 K_D.U18 K_E.K07	1	30
2. The nature and specificity of the work of an anesthesiological nurse in the intensive care unit for newborns, children and adults.		K_D.W06 K_D.W10 K_D.W33 K_D.W35 K_D.U18 K_E.K07	3	

3. Intensive instrumented and non-instrumental supervision in anesthesiology and intensive care. Medical procedures performed in anesthesiology and intensive care departments	K_D.W07 K_D.U18 K_E.K07	8	
4. The role and tasks of the nurse in the process of diagnosis and treatment. Establishing and implementing a care plan in the intensive care unit. Nursing an unconscious patient. Nursing a patient with acute respiratory, circulatory, renal failure and multi-organ failure. Nursing a patient after a multi-organ injury.	K_D.W04 K_D.W05 K_D.W06 K_D.W08 K_D.W31 K_D.W34 K_D.U18 K_E.K07	2	
5. Ethical problems in the care of the critically ill.	K_D.W31 K_D.U18 K_E.K07	2	
6. Delirium, pain and sleep disturbances in patients in the intensive care unit.	K_D.W06 K_D.W08 K_D.W31. K_D.W32 K_D.U18 K_E.K07	6	
7. Care for a potential organ donor. Transplantation medicine	K_D.W04 K_D.W05 K_D.W08 K_D.W31 K_D.U18 K_E.K07	8	
WORKSHOPS			
1. Nurse's participation in the process of diagnosis and treatment in intensive care.	K_D.W01 K_D.W02 K_D.W03 K_D.W04 K_D.W05 K_D.W33 K_D.W35 K_D.U12 K_D.U13 K_D.U23 K_E.K06	5	72
2. Assessment of the patient's health condition and identification of care problems. Planning and implementation of nursing care for patients in intensive care.	K_D.W07 K_D.W08 K_D.W32 K_D.W35 K_D.U02 K_D.U15 K_D.U18 K_D.U20 K_D.U22 K_D.U24 K_E.K05	7	
3. Nursing an unconscious patient.	K_D.W31 K_D.U11 K_D.U17 K_D.U19 K_D.U21 K_E.K04	6	
4. Care for a patient in a life-threatening condition caused by acute respiratory failure.	K_D.W06 K_D.W31 K_D.U19 K_E.K03	5	
5. Care for a patient in a life-threatening condition caused by circulatory system failure.	K_D.W08 K_D.U10 K_D.W31 K_E.K01	5	
6. Nursing a patient with multi-organ failure.	K_D.W08 K_D.W31 K_D.U17 K_E.K02	5	
7. Nursing a patient after a multi-organ injury.	K_D.W08 K_D.W31 K_D.U17 K_D.U26 K_E.K07	5	
8. Care for a patient in a life-threatening condition caused by shock	K_D.W08 K_D.W31 K_D.U17 K_D.U26 K_D.U27 K_E.K06	8	
9. Care for patients at the end of life in the department of anesthesiology and intensive care	K_D.W08 K_D.W31 K_D.U17 K_D.U10 K_D.U25	7	

		K_E.K05		
	10. Monitoring, interpreting and documenting the patient's health condition and nursing actions and interventions undertaken.	K_D.W08 K_D.W31 K_D.U15 K_E.K04	3	
	11. Infection prevention in the intensive care unit and in the operating theater.	K_D.W34 K_D.U03 K_E.K03	5	
	12. Specificity and principles of work of an anesthesiological nurse in the operating theater.	K_D.W10 K_D.W29 K_D.W30 K_D.U09 K_D.U30 K_E.K02	3	
	13. Care of a patient undergoing anesthesia in the operating theater.	K_D.W29 K_D.U08 K_D.U09 K_D.W30 K_D.U30 K_E.K01	8	
WORKSHOPS IN MEDICAL SIMULATION CONDITIONS				
	1. Planning and implementation of nursing care for patients in intensive care.	K_D.W03 K_D.U01 K_E.K07	8	8
PROFESSIONAL TRAINING				
	1. Nurse's participation in the process of diagnosis and treatment in intensive care.	K_D.W01 K_D.W02 K_D.W03 K_D.W04 K_D.W33 K_D.U02 K_D.U12 K_D.U13 K_D.U22 K_D.U23 K_E.K03	20	80
	2. Assessment of the patient's health condition and identification of care problems. Planning and implementation of nursing care for patients in intensive care.	K_D.W05 K_D.W10 K_D.W31 K_D.W32 K_D.W33 K_D.U01 K_D.U15 K_D.U17 K_D.U20 K_E.K02	10	
	3. The process of caring for patients in life-threatening conditions. Standards of care and nursing procedures in intensive care.	K_D.W06 K_D.W07 K_D.W08 K_D.W35 K_D.U09 K_D.U10 K_D.U11 K_D.U17 K_D.U19 K_D.U24 K_D.U25 K_D.U26 K_D.U27 K_D.U30 K_E.K01	15	
	4. Prevention of complications resulting from loss of consciousness and long-term immobilization.	K_D.W31 K_D.W32 K_D.W34 K_D.U03 K_D.U09 K_D.U18 K_D.U10 K_D.U18 K_D.U19 K_D.U21 K_E.K04 K_E.K07	10	
	5. Prevention of infections in the intensive care unit and in the operating theater.	K_D.W29 K_D.W30 K_D.W34 K_E.K05	5	
	6. Tasks of an anesthesiological nurse towards a patient during general and conduction anesthesia.	K_D.W29 K_D.W30 K_D.U08 K_D.U20 K_E.K06	20	

	ZBUN			
	1. Central line care procedure	K_D.W07 K_D.U01 K_E.K05 K_E.K07	15	25
	2. Bronchial tree toilet procedure in an intubated patient.	K_D.W07 K_D.U19 K_E.K05 K_E.K07	10	

Methods of conducting classes	Lectures Problem-based lectures, conversational lectures, elements of didactic discussion, using distance learning methods and techniques					
	Workshops Demonstration, didactic discussion, initial, ongoing and final instruction, work under supervision, case method, exercises in medical simulation conditions,					
	Professional Training instruction, work under supervision, situational method					
	ZBUN project method, literature analysis					
Teaching resources	Lectures Multimedia presentation, multimedia programs, audiovisual equipment using distance learning methods and techniques					
	Workshops Multimedia presentation, documentation templates, material environment of medical entities, procedures, algorithms and standards of nursing conduct, measurement scales, health education materials, equipment of a medical simulation center					
	Professional Training medical documentation, material environment of the healthcare entity, procedures, algorithms and standards of nursing conduct, measurement scales, health education materials					
	ZBUN medical and professional literature, electronic databases of scientific information, multimedia presentation					
Student workload/ECTS points	Forms of activity		Average number of hours to complete the activity			
			Full-time		Part-time	
			W	AF/.....	W	AF/.....
	Number of hours with the participation of an academic teacher		30	ZP 80 PZ 80		
	ZBUN Number of hours		25			
	Number of hours without the particiaption of an academic teacher					
	1. Preparation for classes, including studying the recommended literature		3	3		
	2. Processing of the results/preparation for the exam, tests, other		3	3		
	3. Preparation of a raport, presentation, discussion		-	3		
	Total		15			
	Total number of ECTS points for the form of classes conducted:					
	- number of hours with the participation of an academic teacher		0,9	3 3		
	- number of hours without the participation of an academic teacher		0,1	-		
	- ZBUN		1			
	Total number of ECTS points for the Course		8 (2+3+3)			

Form and methods of passing, assessment criteria or requirements. a) methods of passing b) form of passing c) requirements	Lectures a) exam b) written examination using distance learning methods and techniques c) obtaining $\geq 60\%$ of the required score Workshops a) pass with grade, b) solving a problem task, implementing a medical procedure according to the criteria, developing a 1-day patient care process c) 100% attendance at classes, pass. professional skills by obtaining $\geq 60\%$ of the required score for the implementation of a problem task, medical procedure, positive professional attitude Professional Training a) pass b) solving a problem task, implementing a medical procedure according to the criteria, developing a 3-day patient care process c) 100% attendance at classes, pass. professional skills by obtaining $\geq 60\%$ of the required score for the implementation of a problem task, medical procedure, positive professional attitude ZBUN a) pass b) preparation and presentation of the project/term paper c) obtaining $\geq 60\%$ of the required score for the preparation and presentation of the project/term paper
---	--

CRITERIA FOR ASSESSING LEARNING OUTCOMES ACHIEVED

For a grade of 2 /insufficient/	For a grade of 3 /sufficient/	For a grade of 3.5 /sufficient +/	For a grade of 4 /good/	For a grade of 4.5 /good +/	For a grade of 5 /very good/
59% and below of the score obtained for the prescribed forms of verification of the learning outcomes	60-69% of the score obtained for the prescribed forms of verification of the learning outcomes	70-75% of the score obtained for the prescribed forms of verification of the learning outcomes	76-85% of the score obtained for the prescribed forms of verification of the learning outcomes	86-91% of the score obtained for the prescribed forms of verification of the learning outcomes	92-100% of the score obtained for the prescribed forms of verification of the learning outcomes
Student - has not achieved the basic knowledge and skills related to the subject, - is not able to use the acquired basic information and demonstrate knowledge and skills; the required learning outcomes have not been achieved. - does not show commitment and interest in the subject.	Student - has incomplete basic knowledge and skills related to the subject, - Has great difficulty in using the acquired information; has mastered the educational effects to a sufficient degree. - Shows little interest in professional issues.	Student - has basic knowledge and skills to understand most of the issues in the subject, - has difficulties in using the acquired information; has mastered the educational effects to a satisfactory degree. - demonstrates a sense of responsibility for the health and life of patients, shows a desire for professional improvement.	Student - has knowledge and skills in the field of expanding content, allowing to understand the issues covered by the educational program - correctly, although in an unstructured manner, presents the acquired knowledge and skills, recognizes the errors made when solving a specific task; has mastered the educational effects to a good degree. - demonstrates a full sense of responsibility for the health and life of patients, shows a desire for continuous professional development.	Student - has knowledge and skills in the field of expanding content, allowing to understand the issues covered by the educational program - presents a correct body of knowledge, recognizes and corrects errors made in solving a specific task; he has mastered the educational effects at a level above good. - is responsible, conscientious, feels the need for continuous professional development.	Student - has full knowledge and skills prescribed in the educational program in terms of complementary content, - independently solves problems and formulates conclusions, is able to correctly argue and prove his points; has mastered the educational effects at a very good level. - is involved in the implementation of assigned tasks, responsible, conscientious, feels the need for continuous professional development.

CRITERIA FOR EVALUATION OF THE ACHIEVED LEARNING OUTCOMES BY MEANS OF A TEST/WRITTEN EXAM

For a grade of 2 /insufficient/	For a grade of 3 /sufficient/	For a grade of 3.5 /sufficient +/	For a grade of 4 /good/	For a grade of 4.5 /good +/	For a grade of 5 /very good/
59% and below of the score obtained for the prescribed forms of verification of the learning outcomes	60-69% of the score obtained for the prescribed forms of verification of the learning outcomes	70-75% of the score obtained for the prescribed forms of verification of the learning outcomes	76-85% of the score obtained for the prescribed forms of verification of the learning outcomes	86-91% of the score obtained for the prescribed forms of verification of the learning outcomes	92-100% of the score obtained for the prescribed forms of verification of the learning outcomes

KRYTERIA OCENY ODPOWIEDZI USTNYCH STUDENTA NA ZAJĘCIACH TEORETYCZNYCH/EGZAMINIE TEORETYCZNYM

No.	CRITERIA	NUMBER OF POINTS
-----	----------	------------------

		TEACHER	STUDENT
I.	Demonstrate knowledge and understanding of the topic.	0 – 6	0-6
II.	Conformity of formulated statements with the state of current knowledge.	0 – 6	0-6
III.	Terminological and linguistic correctness.	0 - 4	0-4
IV.	Logical arrangement of content	0 - 2	0-2
TOTAL NUMBER OF OBTAINED POINTS		0-18	0-18

POINTS	GRADE
17 – 18	Very good
16	Good plus
14 - 15	Good
13	Sufficient plus
11 – 12	Sufficient
10 and below	Insufficient

CRITERIA FOR EVALUATING WRITTEN WORKS COMPLETED BY STUDENTS UNDER ZBUN

No.	CRITERIA	NUMBER OF POINTS	
		TEACHER	STUDENT
I.	Demonstrating knowledge and understanding of the topic.	0 – 5	0 – 5
II.	Conformity of the formulated statements with the state of current nursing and other knowledge.	0 - 5	0 - 5
III.	Terminological and linguistic correctness.	0 – 4	0 – 4
IV.	Logical arrangement of content.	0 - 2	0 - 2
V.	Selection of literature.	0 – 2	0 – 2
TOTAL NUMBER OF OBTAINED POINTS		0- 18	0-18

POINTS	GRADE
17 – 18	Very good
16	Good plus
14 - 15	Good
13	Sufficient plus
11 – 12	Sufficient
10 and below	Insufficient

CRITERIA FOR EVALUATING STUDENT'S ATTITUDE DURING CLASSES, WORKSHOPS, AND PROFESSIONAL TRAINING

No.	CRITERIA	NUMBER OF POINTS	
		TEACHER	STUDENT
1	ATTITUDE TOWARDS THE PATIENT	0-6	0-6
2	ATTITUDE TOWARDS PROFESSION AND SCIENCE	0-6	0-6
3	ATTITUDE TOWARD THE THERAPEUTIC TEAM	0-6	0-6
4	RESPECT OF THE REGULATIONS BY THE STUDENT	0-6	0-6
TOTAL:		0-24	0-24

GRADING SCALE:

bellow 14 pts. – insufficient

14-16 pts. – sufficient

17-18 pts – sufficient plus

19-20 pts. - good

21-22 pts. –good plus

23-24 pts. - very good

CRITERIA FOR ASSESSMENT OF STUDENTS BY PATIENTS DURING WORKSHOPS AND PROFESSIONAL TRAINING

No.	CRITERIA	NUMBER OF POINTS
1	COMMUNICATING WITH PATIENT/FAMILY Student: <ul style="list-style-type: none"> • adapted the methods and means of communication to the capabilities of the patient and his family; • provided emotional support to the patient and his family 	0-2 0-2
2	LEVEL OF ACTIVITIES AND TREATMENTS PERFORMED Student: <ul style="list-style-type: none"> • prepared the patient physically and mentally for care activities and treatments • created conditions for the patient to co-decide on care activities and treatments • ensured conditions of intimacy • ensured the patient's comfort, convenience and safety 	0-2 0-2 0-2 0-2
3	RESPECTING PATIENT'S RIGHTS Student: <ul style="list-style-type: none"> - informed the patient about his rights • helped in the implementation and respect of rights • complied with the patient's charter of rights 	0-2 0-2 0-2
4	KNOWLEDGE Student: <ul style="list-style-type: none"> • provided the patient and his family with the necessary information regarding the principles of self-care and self-care 	0-2
TOTAL:		0-20
Interpretation key: 0 pts – did not meet the criteria 1 pts - partially met the criteria 2 pts – met the criteria		<u>GRADING SCALE:</u> <ul style="list-style-type: none"> • 11 pts and bellow – insufficient • 12 pts –sufficient • 13-14 pts –sufficient plus • 15-16 pts –good • 17-18 pts –good plus • 19-20 pts – very good

CRITERIA FOR ASSESSING PRACTICAL TASK COMPLETION

POINT SCALE: 0 points - unable to do so, 1 point - with help, 2 points - independently

No.	EVALUATION CRITERIA AND STANDARDS	TEACHER EVALUATIONS	STUDENT'S GROUP EVALUATION
I	COMMUNICATING WITH THE PATIENT, FAMILY AND THERAPEUTIC TEAM Student: <ul style="list-style-type: none"> • adapted the methods and means of communication to the capabilities of the patient and his family • determined the scope of information necessary to provide to colleagues and to the patient and his family • established and maintained cooperation within the therapeutic team and with the patient and his family 	0-2 0-2 0-2	0-2 0-2 0-2
II	PATIENT AND OWN SAFETY		

	Student: <ul style="list-style-type: none"> protected the patient against infections used measures to protect the patient's and his own health while working provided emotional and informational support to the patient and his family 	0-2 0-2 0-2	0-2 0-2 0-2
III	SPEED AND ACCURACY OF DECISIONS AND AWARENESS OF THEIR CONSEQUENCES Student: <ul style="list-style-type: none"> took actions appropriate to the situation predicted the possible consequences of actions taken and/or not taken performed the action at the optimal time 	0-2 0-2 0-2	0-2 0-2 0-2
IV	CORRECT DEFINITION OF THE OBJECTIVE OF THE ACTION Student; <ul style="list-style-type: none"> defined nursing goals appropriate to the patient's condition justified the purposefulness of activities related to professional care and self-care defined the indicators for achieving the goal assessed the degree of achievement of the goal 	0-2 0-2 0-2 0-2	0-2 0-2 0-2 0-2
V	INDEPENDENCE OF PREPARATION TO PERFORM NURSING ACTIVITIES Student: <ul style="list-style-type: none"> completed the set prepared the workstation 	0-2 0-2	0-2 0-2
VI	ACCURACY OF TASK PERFORMANCE COMPARED TO THE PATTERN: Student: <ul style="list-style-type: none"> performed professional activities in accordance with the adopted procedures maintained a logical sequence of activities performed performed the task thoroughly took into account the patient's condition observed the patient while performing activities cooperated with the therapeutic team while performing activities 	0-2 0-2 0-2 0-2 0-2 0-2	0-2 0-2 0-2 0-2 0-2 0-2
VII	PATIENT AND HIS FAMILY SATISFACTION WITH THE CARE PROVIDED Student: <ul style="list-style-type: none"> prepared the patient physically and mentally for nursing activities created conditions for the patient to co-decide on care activities provided the patient with conditions of privacy provided the patient with comfort and convenience after the procedure 	0-2 0-2 0-2 0-2	0-2 0-2 0-2 0-2
VIII	CORRECTNESS OF DOCUMENTING THE CARE PROVIDED: Student: <ul style="list-style-type: none"> documented his own activities used documentation kept by others used correct terminology in the documentation 	0-2 0-2 0-2	0-2 0-2 0-2
IX	REFLECTION ON YOUR OWN ACTION: Student: <ul style="list-style-type: none"> assessed critically his actions formulated conclusions for further actions 	0-2 0-2	0-2 0-2
TOTAL NUMBER OF POINTS:		60	60

GRADING SCALE:

bellow 47 pts –insufficient

47-49 pts –sufficient

50-52 pts –sufficient plus

52-54 pts –good

55-57 pts –good plus

58-60 pts – very good

List of literature

Required literature:

Gucwa J., Ostrowski M. (red.): Zaawansowane zabiegi resuscytacyjne i wybrane stany nagłe. Wyd. Medycyna Praktyczna, Kraków 2018.

Kamiński B., Kübler A (red.): Anestezjologia i intensywna terapia : podręcznik dla studentów medycyny. Wydawnictwo Lekarskie PZWL, Warszawa 2015.

Wołowicka L., Dyk D. (red.): Anestezjologia i intensywna opieka. Klinika i pielęgniarstwo. Wyd. Lek. PZWL. Warszawa 2014.

Supplementary literature:

Aitkenhead A., Smith G., Rowbotham D.: Anestezjologia. T. 1. Elsevier Urban & Partner, Wrocław 2012.
Anders J. (red.): Wytoczne resuscytacji 2015. Europejska Rada Resuscytacji; Polska Rada Resuscytacji. Wyd. Polska Rada Resuscytacji, Kraków 2016.
Czerwiński J., Małkowski P.: Medycyna transplantacyjna dla pielęgniarek. Wydawnictwo Lekarskie PZWL, Warszawa 2017
Kokot F., Hyla-Klekot L., Kokot S.: Badania laboratoryjne: zakres norm i interpretacja. Wydawnictwo Lekarskie PZWL, Warszawa 2015.
Kózka M., Płaszewska-Żywko L. (red.): Procedury pielęgniarstwa. Wyd. Lek. PZWL. Warszawa. 2015

Names of the person(s) developing the subject description:

Names of persons teaching the subject:

Lectures.....

Workshops Employee of a health care facility

Professional training Employee of a health care facility

ZBUN.....