

Course description

Part 1

General information about the course		
1. Major of study: Midwifery	2. Study level: First degree/ practical profile	
	3. Form of study: stationary	
4. Year: III/ cycle 2022-2023	5. Semester: V, VI	
6. Course name: Neonatology and neonatal care		
7. Course status: required		
8. Course contents and assigned learning outcomes		
Basics of knowledge in the field of neonatology and neonatal care		
Learning outcomes / reference to learning outcomes indicated in the standards		
For knowledge – student knows and understands: D.W37., D.W38., D. W39., D.W40., D.W41.		
For skills student can do: D.S36., D.S37., D.S38.		
For social competencies student is ready to: Point 1.3 general learning outcomes		
9. Number of hours for the course		130
10. Number of ECTS points for the course		7
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Written exam - closed questions	*
Skills	Observation	*
Competencies	Observation	*

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Women Health in Department of Propaedeutics Obstetrics Medical University of Silesia, ul. Medyków 12, Tel. 32/2088629 Clinical Department of Gineacology, Obstetrics and Oncology in Department of Women Health Medical University of Silesia, 40-211 Katowice, ul Markiefki Leopolda 87		
13. Name of the course coordinator: dr hab. n. o zdrowiu Mariola Czajkowska		
14. Prerequisites for knowledge, skills and other competencies:		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	Newborn phantom, incubator, ambu bag, stethoscope, newborn baby bath tub, cosmetics for newborn baby skin, lactation pillow, kangaroo chair, breast pump, sample medical documentation, laptop, multimedia projector	
17. Location of classes	Department of Propaedeutics Obstetrics in Department of Women Health, Didactic and Medical Simulation Center	
18. Location and time for contact hours	Department of Propaedeutics Obstetrics in Department of Women Health Hours in accordance with the consultation schedule	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
P_K01	Student discusses factors conditioning proper prenatal and postnatal development.	D.K37
P_K01	Student discusses the pathophysiology and clinical symptoms of diseases and life-threatening conditions of newborn and premature babies as well as nutrition and specificity of care for the newborn depending on its maturity and clinical condition.	D. K38
P_K02	Student knows the principles of nursing a healthy, sick newborn, with perinatal defects and injuries, including a newborn patient suffering from AIDS or infected with HIV.	D. K39
P_K02	Student discusses the principles of neonatal phototherapy and oxygen therapy.	D. K40
P_K02	Student knows the rules of organizing neonatal care and intensive	

	supervision over a newborn baby.	D. K41
P_S36	Student plans and carries out specialist care of the newborn depending on his maturity, birth weight and clinical condition in hospital and out-of-hospital conditions.	D.S36.
P_S37	Student assesses the condition of the newborn and participates in diagnostic tests of the newborn.	D.S37.
P_S38	Student assesses the caring efficiency of healthy, sick and developmental newborn parents and undertakes health promoting educational activities for newborn parents, preparing them to take care of the child at home.	D.S38.
P_C01	Guiding the patient's well-being, respecting the dignity and autonomy of people entrusted to care, showing understanding of ideological and cultural differences and empathy in relations with the patient and her family.	Point 1.3 general learning outcomes
P_C02	Compliance with patient rights.	Point 1.3 general learning outcomes
P_C03	Independent and reliable performance of the profession in accordance with the principles of ethics, including compliance with moral values and obligations in patient care.	Point 1.3 general learning outcomes
P_C04	Taking responsibility for performed professional activities.	Point 1.3 general learning outcomes
P_C05	Consulting experts in the event of difficulties in solving the problem yourself.	Point 1.3 general learning outcomes
P_C06	Anticipating and taking into account factors that affect patient and patient responses.	Point 1.3 general learning outcomes
P_C07	Recognizing and recognizing one's own limitations in knowledge, skills and social competences as well as making self-assessments of educational deficits and needs.	Point 1.3 general learning outcomes
20.Forms and topics of classes		Number of hours
20.1. Lectures		20
20.1a Lectures- midwifery clinical part		10

<p>1. Factors determining the correct prenatal and postnatal development:</p> <ul style="list-style-type: none"> • Adaptive changes in the body of a pregnant woman; • Prenatal period of human life; • Diagnostic and therapeutic process during pregnancy and usefulness of individual methods in determining fetal well-being and maturity. <p>Pathophysiology and clinical manifestations of diseases and life-threatening conditions of newborn and premature babies, as well as nutrition and specificity of newborn care depending on its maturity and clinical condition.</p>	10
20.1b Lectures- midwifery care	10
<p>2. Rules for nursing a healthy, sick newborn, with perinatal defects and injuries, including a newborn patient suffering from AIDS or infected with HIV.</p> <p>Principles of phototherapy and neonatal oxygen therapy.</p> <p>The principles of organizing neonatological care and intensive supervision over a newborn baby.</p>	10
20.2. Practical classes	80
20.2a Practical classes- midwifery care	80
<p>1. Midwife's competence in assessing factors determining the correct course of pregnancy. Midwife in antenatal care over mother and child. The midwife's role in ensuring the correct delivery.</p>	10
<p>2. Midwife's competence in newborn examination and assessment of the condition immediately after delivery / Apgar scale, physiological reflexes. Observation and newborn care in the following days in hospital conditions. Assessment of transient states.</p>	10
<p>3. Midwife's competence in ensuring proper nutrition of newborns. Natural and artificial feeding.</p>	10
<p>4. Midwife's competence in performing newborn screening tests. Types of screening tests. Rules for material collection and testing.</p>	10
<p>5. Midwife's competences in physical examination of a mature and immature newborn baby. Classifying newborns into risk groups.</p>	10
<p>6. Midwife's competence in ensuring proper care and care of the sick newborn baby. Kangaroo as part of the correct mother / parents and child interaction.</p>	10
<p>7. Midwife's competence in ensuring proper transport of the newborn baby. Preparing the newborn for transport.</p>	10
<p>8. Midwife's competence in preventing in-hospital infections in the neonatal ward. The importance of newborn care standards.</p>	10
20.3. Classes /Clinical classes	20
20.3.a Classes- midwifery care	10
<p>1. Natural and artificial feeding (Conditions for the implementation of the "10 steps to successful breastfeeding" program; Feeding the newborn with natural food; Specificity of nursing problems in an artificial newborn)</p> <p>2. Kangaroo method (The importance of touch in the care of a sick and risk group of newborn babies; Ways to provide a sense of security in a newborn baby; Techniques, methods and methods of nursing a newborn baby in a newborn pathology department).</p>	10

20.3.b Clinical classes	10
<p>1. The specificity of newborn care immediately after birth and on later days (Assessment of vital signs of the newborn; Assessment of neonatal maturity on the NBS / New Ballard Score scale; Management of mature and immature newborn after birth and later)</p> <p>2. Immature newborn (Physical examination of the newborn - maturity assessment, methods and scales).</p> <p>3. Newborn intensive care - monitoring the condition of the newborn (The most common causes of serious health disorders; Diagnosis of newborns at risk; Principles of newborn resuscitation and resuscitation; Principles of neonatal monitoring; Midwife care for newborns at risk)</p> <p>4. Newborn transport (Malformations requiring immediate intervention; Transport in utero; Transport within the hospital; Transport to the parent center).</p>	5
20.4 Seminary	10
<p>1. Neonatal screening (Importance of neonatal screening; Collection of material for screening - phenylketonuria test, hypothyroidism, cystic fibrosis)</p> <p>Methods of examining the hearing organ in children and medical treatment (Research for detecting hearing loss in newborns; Pedoaudiology - hearing loss in children; The importance of hearing for the proper development of a newborn baby; Screening in a hospital ward).</p> <p>2. Methods of examining the hearing organ in children and medical treatment (Research for detecting hearing loss in newborns; Pedoaudiology - hearing loss in children; The importance of hearing for the proper development of a newborn baby; Screening in a hospital ward).</p>	10
20.5 Self study	35
20.6 Professional practise	80
21. Readings	
<p>1. Świetliński J.: Neonatologia i opieka nad noworodkiem PZWL Warszawa 2016.</p> <p>2. Bałanda A.: Opieka nad noworodkiem. PZWL Warszawa 2009.</p> <p>3. Bartusek M., Wylęgała E.: Wybrane aspekty pielęgniarstwa epidemiologicznego. Od teorii do praktyki. SAM Katowice 2006.</p> <p>4. Bień A.M. (red): Opieka nad kobietą ciężarną. PZWL Warszawa 2009.</p> <p>5. Borkowski W.: Opieka pielęgniarska nad noworodkiem. Medycyna Praktyczna Kraków 2007</p> <p>6. Czyżewska M.: Neonatologia. Podręcznik dla studentów Wydziału Zdrowia Publicznego. AM Wrocław 2007.</p> <p>7. Kirpalani H.: Podręcznik neonatologii. Medipage Warszawa 2009.</p> <p>8. Łozińska D. Twarowska I.: Neonatologia. PZWL Warszawa 1993.</p> <p>Pilewska – Kozak A.: Opieka nad wcześniakiem. PZWL Warszawa 2009.</p>	
22. Detail evaluation criteria	
<p>In accordance with the recommendations of the inspection bodies</p> <p>Completion of the course – student has achieved the assumed learning outcomes</p> <p>Detail criteria for completion and evaluation of the course are specified in the course regulations.</p>	