

***Neonatology***

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| 1. **Imprint** | |
| **Academic Year** | 2024/2025 |
| **Department** | Faculty of Health Sciences |
| **Field of study** | Medicine, |
| **Main scientific discipline** *(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)* | **Medical sciences** |
| **Study Profile** *(general academic / practical)* | General academic |
| **Level of studies** *(1st level /2nd level/ uniform MSc)* | Uniform MSc |
| **Form of studies** | **Full time studies** |
| **Type of module / course**  *(obligatory / non-compulsory)* | **Obligatory** |
| **Form of verification of learning outcomes** *(exam / completion)* | **Completion** |
| **Educational Unit / Educational Units** *(and address / addresses of unit / units)* | Department of Neonatology and Rare Diseases  Medical Univeristy of Warsaw  +48/22-317-93-43  e-mail [neonatologia@wum.edu.pl](mailto:neonatologia@wum.edu.pl)  www.noworodki.wum.edu.pl |
| **Head of Educational Unit / Heads of Educational Units** | Prof. Bożena Kociszewska-Najman MD, PhD |
| **Course coordinator** *(title, First Name, Last Name, contact)* | Natalia Czaplińska MD, PhD  e-mail: [nczaplinska@gmail.com](mailto:nczaplinska@gmail.com)  natalia.czaplinska@wum.edu.pl |
| **Person responsible for syllabus** *(First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)* | Natalia Czaplińska MD, PhD |
| **Teachers** | Prof. Andrzej Piotrowski MD. PhD, Natalia Czaplińska Md PhD, Monika Gruszfeld MD, Magdalena Zarlenga MD, Anna Perdzyńska MD, Katarzyna Zapałowicz MD, Paweł Piwowarczyk MD, Barbara Saniewska MD, Helena Pęgierska MD, Magdalena Mastalerek MD, Agnieszka Nieradka MD |

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| 1. **basic information** | | | | |
| **Year and semester  of studies** | VI year, 12 semester | | **Number of ECTS credits** | 6.00 |
| **forms of classes** | | **Number  of hours** | **ECTS credits calculation** | |
| **Contacting hours with academic teacher** | |
| Lecture (L) | |  |  | |
| Seminar (S) | | 15 | 1 | |
| Classes (C) | | 75 | 5 | |
| e-learning (e-L) | |  |  | |
| Practical classes (PC) | |  |  | |
| Work placement (WP) | |  |  | |
| **Unassisted student’s work** | | | | |
| Preparation for classes and completions | |  |  | |

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| 1. **Course objectives** | |
| O1 | Ability of newborn resuscytation |
| O2 | Knowledge about standards of perinatal care |
| O3 | Ability of physical examination of newborn |
| O4 | Knowledge about most common problems in neonatal period including prematurity |

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| Standards of learning – Detailed description of effects of learning *(concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)* | | |
| **Code and number of effect of learning in accordance with standards of learning**  *(in accordance with appendix to the Regulation of Minister of Science*  *and Higher education from 26th of*  *July 2019)* | | **Effects in time** |
| **Knowledge – Graduate\* knows and understands:** | | |
| G.K1 | Most common problems in the neonatal period: adaptation problems, complications related to preterm labor, congenital defects, jaundice, hematological diseases, infections, respiratory distress syndrome, perinatal asphyxia  Guidelines for neonatal resuscitation.  Principles of nutrition of newborn, including breastfeeding, | |
| **Skills– Graduate\* is able to:** | | |
| G.S1 | Assess the condition of the newborn in Apgar scale and its maturity, | |
| G.S2 | Perform the differential diagnosis of the most common neonatal diseases | |

*\* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.*

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| 1. **Additional effects of learning** *(non-compulsory)* | |
| **Number of effect of learning** | **Effects of learning i time** |
| **Knowledge – Graduate knows and understands:** | |
| K1 |  |
| K2 |  |
| **Skills– Graduate is able to:** | |
| S1 |  |
| S2 |  |
| **Social Competencies – Graduate is ready for:** | |
| SC1 |  |
| SC2 |  |

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| 1. **Classes** | | |
| **Form of class** | **Class contents** | **Effects of Learning** |
| Seminars | Examination of the newborn  Adaptation to the extrauterine life.  Delivery room management. Resuscitation in the delivery room.  Surgical problems in the newborn  Hyperbilirubinemia in neonates  Neonatal effects of maternal diabetes  Neonatal sepsis  Respiratory problems of newborn  Prematurity and its complications | E.W2, E.W3, E.W4, E.W6, E.W33, E.W35, E.W39, E.U2, E.U4, E.U7, E.U8, E.U9, E.U14, E.U15, E.U27, E.U29, K1-K4 |
| Clinical classes | Practical classes at Neonatal Intensive Care Unit, delivery room ,  Resuscitation classes with phantoms |  |

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| 1. **Literature** |
| **Obligatory** |
| Neonatology for medical students, 2021, B.Kociszewska-Najman |
| **Supplementary** |
| Gomella’s Neonatology, 8th edition 2020 |

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| Verifying the effect of learning | | |
| **Code of the course effect of learning** | **Ways of verifying the effect of learning** | **Completion criterion** |
|  | *test* | *60%* |
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| 1. **Additional information** *(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)* |
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