**SYLLABUS**

1. **Programme Details**

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| **1.1.** | **GRIGORE T. POPA UNIVERSITY OF MEDICINE AND PHARMACY IASI** |
| **1.2.**  | **FACULTY : MEDICINE / DEPARTMENT: Mother and Child Care** |
| **1.3.** | **DISCIPLINE: Neonatology** |
| **1.4.**  | **FIELD of STUDY: HEALTH** |
| **1.5.** | **STUDY CYCLE: BACHELOR**  |
| **1.6.** | **PROGRAMME of STUDY: Medicine English**  |
| 1. **Discipline Details**
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| **2.1.** | **Name of the Discipline: Neonatology** |
| **2.2.** | **Teaching staff in charge with lectures:Conf. Dr. Paduraru Luminita, Lect. Andreea AVASILOAIEI** |
| **2.3.** | **Teaching staff in charge with seminar activities: Lect. Dr. Andreea AVASILOAIEI, Asist. Prof. Gabriela ZONDA** |
| **2.4. Year**  | **VI** | **2.5. Semester** | **I/II** | **2.6. Type of evaluation**  | **C1/C2** | **2.7. Discipline regimen**  | **Compulsory** |

1. **Overall Time Estimates (hours/semester of didactic activity)**

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| --- | --- | --- | --- | --- | --- |
| * 1. **Number of hours per week**
 | **4** | **Of which: 3.2. lectures** | **2** | * 1. **seminar/ laboratory**
 | **2** |
| * 1. **Total hours in the curriculum**
 | **24** | **Of which: 3.5. lectures** | **10** | **3.6. seminar/ laboratory** | **14** |
| **Distribution of time**  |  |  |  |  | **Hours** |
| **Study time using lecture book materials, bibliography and notes**  | **10** |
| **Further study time in the library, online and in the field** | **4** |
| **Preparation time for seminars / laboratories, homework, reports, portfolios and essays** | **10** |
| **Tutoring** | **2** |
| **Examinations** | **2** |
| **Other activities** | **-** |
| **3.7. Total hours of individual study** |  | **26** |
| **3.8. Total hours / semester** |  | **50** |
| **3.9. Number of credits**  |  | **2** |

1. **Prerequisites (where applicable)**

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| **4.1. curriculum** | Pediatrics, Neonatal care |
| **4.2. competences** | Not applicable |

1. **Conditions (where applicable)**

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| **5.1. for lecture delivery** | Not applicable |
| **5.2. for seminar / laboratory delivery** | Single-use equipment for visiting the Neonatal Intensive Care Unit |

1. **Specific Competences Acquired**

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| **Professional Competences (knowledge and skills)** | The adaptation of the neonate to extrauterine life, troubles of adaptation, neonatal resuscitation, care of the healthy and sick infant in the maternity hospital, feeding methods for the healthy and sick neonate (breastfeeding, bottle feeding, gavage), recognition and management of specific neonatal conditions |
| **Transversal Competences (roles, personal and professional development)** | The main characteristics of the neonatal infant and of the neonatal period, placement in a resuscitation team, the dynamics of a resuscitation team, the relationship with other specialties (obstetrics, paediatrics, paediatric surgery, genetics), the concept of regionalization of perinatal care services |

1. **Objectives of the Discipline (related to the acquired competences)**

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| **7.1. General Objective** | The concept of healthy and sick neonate |
| **7.2. Specific Objectives**  | Classification of the neonates according to various risk factors, recognition of the main conditions specific to the neonatal period, the assessment of the adaptation of neonates to extrauterine life and the establishing of the need for resuscitation |

1. **Contents**

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| **8.1. Lecture** | **Teaching methods**  | **Comments** |
| Perinatal asphyxia and hypoxic-ischemic encephalopathy | Classic, PowerPoint presentation, case presentations | 2,5 hours |
| Neonatal respiratory distress and neonatal jaundice | Classic, PowerPoint presentation | 2,5 hours |
| Intraventricular haemorrhage and neonatal seizures | Classic, PowerPoint presentation | 2,5 hours |
| Neonatal infections | Classic, PowerPoint presentation, case presentations | 2,5 hours |
| **Bibliography**Stamatin M (editor). Neonatology, Ed. Tehnopress, Iasi, 2015Manual of Neonatal Resuscitation, 6th Edition, 2010eLearning intranet of the Grigore T. Popa University of Medicine and Pharmacy |
| **8.2. Seminar / Laboratory** | **Teaching methods**  | **Comments** |
| Clinical examination of the neonate; assessment of the gestational age; classification of the neonates in risk grades | Oral interactive, practical, visit to the rooming-in compartment | 4 hours |
| Neonatal resuscitation | Video, practical manoeuvres on the resuscitation manequin | 4 hours |
| Neonatal care in the delivery room and in the maternity hospital | Oral interactive, practical, visit to the delivery rooms and theatres | 2 hours |
| Peculiarities of the high-risk neonate | Visit to the Neonatal Intensive Care Unit | 2 hours |
| Neonatal nutrition | Video, oral interactive | 2 hours |
| **Bibliography**Stamatin M (editor). Neonatology, Ed. Tehnopress, Iasi, 2015Manual of Neonatal Resuscitation, 6th Edition, 2010eLearning module of the Grigore T. Popa University of Medicine and Pharmacy |

1. **Correlations between the contents of the discipline and the expectations of the epistemic community, of professional associations and of employers in the field**

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| Knowledge and skills are set as teaching objectives and specified as such in analytical programs reviewed annually. After analysis within the discipline, these are discussed and approved within the Curriculum Department, in the sense of harmonization with other disciplines. Throughout this process, the correspondence between content and the expectations of the academic community, community representatives, professional associations and employers is systematically assessed, as far as possible. As a primary goal, the discipline aims to provide students with the optimal prerequisites for the next years of study in the Bachelor's degree program, in order to successfully engage, immediately after graduation, in residential programs in Romania and other EU countries. |

1. **Evaluation**

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| **Type of activity**  | **10.1. Evaluation criteria:**  | **10.2. Methods of evaluation** | **10.3. Percentage of final grade** |
| **10.4. Lecture** | Grade for multiple choice test | standardized multiple choice test | 50% |
| **10.5. Seminar / Laboratory** | Participation to practical laboratories | ongoing evaluation | 10% |
| Grade for practical examination | practical exam | 40% |
| **Minimum standard of performance: at least grade 5 to pass the discipline** |

**Date Signature of Didactic Co-ordinator**

**01.10.2019 Conf. Dr. Luminita Paduraru**

 **Signature of Department Director Conf. dr. Mihaela Grigore**