**ACADEMIC DISCIPLINE OVERVIEW**

1. **Program data**

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| 1.1. Higher education institution | Grigore T. Popa University of Medicine and Pharmacy Iasi |
| 1.2. Faculty | Medical Bioengineering |
| 1.3. Department | Biomedical Sciences |
| 1.4. Field of study | Health |
| 1.5. The cycle of studies | Bachelor |
| 1.6. Study program / qualification | Balneo-physiokinetotherapy and rehabilitation – english language / Physiokinetotherapist |

**2. Discipline data**

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| 2.1. Name of the discipline / Code | | | | **Rehabilitation in urogenital pathology and obstetrics** | | **RE1305** |
| 2.2. Teaching staff in charge with lectures | | | | **Professor Răzvan Socolov, MD, PhD** | | |
| 2.3. Teaching staff in charge with practical activities | | | |  | | |
| 2.4. Year of study | **III** | 2.5. Semester | **1** | 2.6. The type of assessment | **Exam, E1** | |
| 2.7. Discipline type | | **Mandatory** | | **Specialty discipline** | | |

**3. Estimated total time (hours/semester of didactic activity)**

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| 3.1. Number of hours / week: | | 3.2. Courses number of hours / week | | 3.3. Seminars / practical classes  number of hours / week | | | |
| Semester 1 | **1** | **1** | |  | | | |
| Semester 2 |  |  | |  | | | |
| 3.4. Total number of learning hours: | **14** | 3.5. Of which: Courses | **14** | 3.6. Of which: Seminars / practical classes: | | |  |
| 3.7. Distribution of individual study time: | | | | | Hours sem. 1 | Hours sem. 2 | |
| Study time using course book materials, bibliography and hand notes | | | | | 10 |  | |
| Supplementary documentation in the library, using specialised platforms via internet and by field work | | | | | 16 |  | |
| Preparation time for seminars / practical classes, study themes, reviews, portfolio and essays | | | | | 4 |  | |
| Tutorship | | | | | 2 |  | |
| Examinations | | | | | 2 |  | |
| Other activities | | | | | 6 |  | |
| Total hours of individual study (*without examinations*) | | | | | **36** |  | |
| 3.8. Total hours per semester | | | | | **50** |  | |
| 3.9. Number of credits | | | | | **2** |  | |

**4. Preconditions (where applicable)**

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| 4.1. of curriculum | Anatomy, Physiology, Elements of internal medicine |
| 4.2. of competences | Knowledge of the macroscopic and microscopic structure of the body's organs and systems |

5. **Conditions (where applicable)**

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| 5.1. for lectures | Video logistical support. |
| 5.2. for seminars / practical classes | Students will have the appropriate equipment |

**6. Specific competences acquired**

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| **Professional competencies** | **C 2.5** | Developed and developing new protocols specific to the urogenital system.  Implementation of new massage protocols specific to the urogenital system. |
| **C 3.4** | Description muscular and articular techniques, functional assessment scores and appreciation of the quality of life of patients with disabilities. |

7**.** **Objectives of the study discipline (according to the grid of specific competences acquired)**

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| 7.1. General objective | Explaining syndromes of uro-gynecology diseases, physical therapy programs, hydro, electrotherapy, functional assessment methods adapted to the treatment area and type of pathology |
| 7.2. Specific objectives | The accumulation of basic knowledge on uro-gynecological system (anatomy, physiology and pathology)  Practical application of the knowledge acquired through endowment with specific skills recognition main manifestations of uro-gynecological diseases and the methods of treatment balneofizioterapeutice according to specific pathology. |

**8. Contents**

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| **8.1. Lectures** | | **Teaching methods** | **Observations** |
| 1 | Anatomy of female genitalia | PowerPoint presentations, video presentations, interactive discussions | 2 hours |
| 2 | Adaptive maternal body changes during pregnancy Confinement after birth. Postnatal recovery. Birth analgesia. | PowerPoint presentations, video presentations, interactive discussions | 2 hours |
| 3 | Menopause. Changes in urogenital system during menopause. | PowerPoint presentations, video presentations, interactive discussions | 2 hours |
| 4 | Genital prolapse. Rehabilitation, Physiotherapy. | PowerPoint presentations, video presentations, interactive discussions | 2 hours |
| 5 | Female urinary incontinence. Rehabilitation, Physiotherapy | PowerPoint presentations, video presentations, interactive discussions | 2 hours |
| 6 | Chronic Pelvic Pain. Rehabilitation, Physiotherapy | PowerPoint presentations, video presentations, interactive discussions | 2 hours |
| 7 | Technologies, electrotherapy used in uro-gynecological specific | PowerPoint presentations, video presentations, interactive discussions | 2 hours |

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| **8.3. Bibliography:** |
| ***Mandatory:*** |
| 1. Courses and LP on the E-learning platform 2. Socolov D, Grigore M, Nemescu D, Socolov R. Obstetrica. Iasi, Ed UMF Gr T Popa 2020 3. Charles R. B. Beckmann, American College of Obstetricians and Gynecologists, Barbara M. Barzansky- *Obstetrics and* Gynecology, 2009 |
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| ***Elective:*** |
| 1. Neville F. Hacker, Joseph C. Gambone, Calvin J. Hobel - Hacker and Moore's essentials of obstetrics and gynecology, Saunders/Elsevier, 2009 2. Rod R. Seeley, Trent D. Stephens, Philip Tate - Anatomy & Physiology, McGraw-Hill, 2007. 3. Stacey Rosenberg - Natural Pregnancy, Natural Baby: Natural Remedies for Pregnancy, Birth and Post-Partum Discomforts, 2008 4. Williams Obstetrics, Kenneth Leveno, Jodi Dashe. 26th Edition, McGraw-Hill Education, 2020 5. Williams Gynecology, JO Schorge, KD Bradshaw, 4th Edition, 2020 |
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**9. *Correlation of the discipline contents with the expectations of the epistemic community, professional associations, and representative employers from the afferent program field***

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| Knowledge and abilities are established as didactic objectives and specified as such in the analytic programs that are revised yearly. After their analysis by the study discipline staff, these are discussed and approved in the Curricular Committee, towards curricular harmonization among the various study disciplines. Along this entire process systematic evaluation is performed, directly if possible, regarding the correspondence of the contents to the expectations of the academic community and of the representatives of the social community, professional associations, and employers. |

**10. Evaluation**

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| Type of activity | Assessment criteria | Evaluation methods | Contribution to the final grade |
| Lectures | Acquiring theoretical notions and presented in the course | Written exam.  MCQ Examination | 80 % |
| Practical activities | Activities carried out in laboratory and conducted quality essays. | Colloquium practical activity | Admitted/ Rejected |
| Individual study | Preparation time for seminars / practical classes, study themes, reviews, portfolio and essays.  Study time using coursebook materials, bibliography and hand notes, documentation in the library, using specialised platforms via internet and by field work. | Tests during the semester | 20 % |
| Minimal performance standard:   * the application of therapeutic programs using different recovery procedures for rehabilitation of uro-gynecological system | | | |

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| Date | Holder of course / signature, | Holder of practical activities / signature, |
| 07.09.2023 | Professor Răzvan Socolov, MD, PhD |  |

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| Date of approval in the Department Council/Teaching Council, | | |
| 14.09.2023 |  | Department director / signature, |
|  |  | Associate Professor Daniela-Viorelia Matei, MD, PhD |