**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 | | | | **Occupational therapy** | | **RE1307** |
| 2.2. Teaching staff in charge with lectures | | | | **Associate Professor Mariana Rotariu, PhD** | | |
| 2.3. Teaching staff in charge with practical activities | | | | **Lecturer Iustina Condurache, PhD** | | |
| 2.4. Year of study | **III** | 2.5. Semester | **1** | 2.6. The type of assessment | **Colloquium, C1** | |
| 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 | **2** | **1** | | **1** | | | |
| Semester 2 |  |  | |  | | | |
| 3.4. Total number of learning hours: | **28** | 3.5. Of which: Courses | **14** | 3.6. Of which: Seminars / practical classes: | | | **14** |
| 3.7. Distribution of individual study time: | | | | | Hours sem. 1 | Hours sem. 2 | |
| Study time using course book materials, bibliography and hand notes | | | | | 5 |  | |
| Supplementary documentation in the library, using specialised platforms via internet and by field work | | | | | 5 |  | |
| Preparation time for seminars / practical classes, study themes, reviews, portfolio and essays | | | | | 8 |  | |
| Tutorship | | | | | 2 |  | |
| Examinations | | | | | 2 |  | |
| Other activities | | | | | 4 |  | |
| Total hours of individual study (*without examinations*) | | | | | **22** |  | |
| 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, Motricity |
| 4.2. of competences |  |

5. **Conditions (where applicable)**

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| 5.1. for lectures | Video logistics support. |
| 5.2. for seminars / practical classes | Treatment Base, 4th floor, Faculty of Medical Bioengineering.  Students will wear protective equipment (Robe, Medical Clogs). |

**6. Specific competences acquired**

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| **Professional competencies** | **C 1.4** | The use of appropriate parameters in the techniques of increasing joint mobility, muscle strength, coordination, balance, in improving some modified parameters: cardiovascular, etc. specific to occupational therapy. |
| **C 6.5** | Use of appropriate parameters in regaining or improving ADLs.  Creation and design of new devices to facilitate and verify joint functionality. Description of the basic methodology of scientific research. |

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

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| 7.1. General objective | Knowing and understanding the role of occupational therapy in the recovery and functional re-education of patients with physical, neuropsychic and sensory disabilities. |
| 7.2. Specific objectives | Acquainting students with the preparation of rehabilitation programs based on vocational, functional occupational therapy and with the evaluation of the remaining morphofunctional, monitoring and assessing the effectiveness of rehabilitation programs. |

**8. Contents**

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| **8.1. Lectures** | | **Teaching methods** | **Observations** |
| 1 | Occupational therapy: Definition, Objectives, Classification. | Power point presentation | 2 hours |
| 2 | Occupational therapy in rheumatic diseases. | Power point presentation | 2 hours |
| 3 | Occupational therapy in the functional re-education of the "Disabled Mother" concept. | Power point presentation | 2 hours |
| 4 | Occupational therapy in chronic cardiovascular pathology. | Power point presentation | 2 hours |
| 5 | Occupational therapy in chronic respiratory pathology. | Power point presentation | 2 hours |
| 6 | Occupational therapy in the rehabilitation of neurological sequelae and geriatric pathology. | Power point presentation | 2 hours |
| 7 | Occupational therapy in pediatric pathology. | Power point presentation | 2 hours |

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| **8.2. Practical activities - practical class** | | **Teaching methods** | **Observations** |
| 1 | Drawing up a general program of occupational therapy | Practical application. Discussions. | 2 hours |
| 2 | Occupational therapy in rheumatic diseases. Practical application. | Practical application. Discussions. | 2 hours |
| 3 | Occupational therapy in the functional re-education of the "Disabled Mother" concept. Practical application. | Practical application. Discussions. | 2 hours |
| 4 | Occupational therapy in chronic cardiovascular pathology. Practical application. | Practical application. Discussions. | 2 hours |
| 5 | Occupational therapy in chronic respiratory pathology. Practical application. | Practical application. Discussions. | 2 hours |
| 6 | Occupational therapy in the rehabilitation of neurological sequelae and geriatric pathology. Practical application. | Practical application. Discussions. | 2 hours |
| 7 | Occupational therapy in pediatric pathology. Practical application. | Practical application. Discussions. | 2 hours |

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| **8.3. Bibliography:** |
| ***Mandatory:***   1. *Course and practical support displayed on the e-learning platform.* 2. Muhlenhaupt M., Martinez J., Mank R., Jhonson C.R., DeAngelis T. Occupational Therapy Examination Review Guide. [F.A. Davis Company](https://www.libristo.ro/ro/editura/F.A.%20Davis%20Company),  2021. 3. *MIler A.* Handbook of Occupational Therapy. [Murphy & Moore Publishing](https://www.libristo.ro/ro/editura/Murphy%20&%20Moore%20Publishing), 2022. 2022 4. *Patel C.* Play Therapy Activities: 150 Fun Activities For Parents and Children to Play to Improve Emotional Stability and Bonding. Paperback, 2022. |
| ***Elective:*** |

1. [Boyt Schell](https://www.libristo.ro/ro/autor/Barbara%20A.%20Boyt%20Schell) B.A., [Gillen](https://www.libristo.ro/ro/autor/Glen%20Gillen) G. Willard and Spackman's Occupational Therapy. [Wolters Kluwer Health](https://www.libristo.ro/ro/editura/Wolters%20Kluwer%20Health), 2018.
2. Andronache L.M., Elemente practice de terapie ocupationala la pacientul hemiplegic, Editura [Universitatea Carol Davila](https://www.librariadelfin.ro/editura/universitatea-carol-davila--i484), Bucuresti 2017.
3. Kovács A., Kinetoterapie prin joacă - Exerciții pentru dezvoltarea motorie a bebelușilor de 1-9 luni, Editura Casa, 2020.

**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:   * Knowing the information necessary to draw up a general program of occupational therapy. * The ability to evaluate the remaining morphofunctional, monitoring and assessing the effectiveness of rehabilitation programs. | | | |

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| Date | Holder of course / signature, | Holder of practical activities / signature, |
| 6.09.2023 | Associate Professor Mariana Rotariu, PhD | Lecturer Iustina Condurache, 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 |