**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 | | | | **Dermatovenerology** | | **RE1313** |
| 2.2. Teaching staff in charge with lectures | | | | **Professor Anca Zbranca, MD, PhD** | | |
| 2.3. Teaching staff in charge with practical activities | | | | **Professor Anca Zbranca, MD, PhD** | | |
| 2.4. Year of study | **III** | 2.5. Semester | **2** | 2.6. The type of assessment | **Exam, E2** | |
| 2.7. Discipline type | | **Mandatory** | | **Domain 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 |  |  | |  | | | |
| Semester 2 | **2** | **1** | | **1** | | | |
| 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 | | | | |  | 6 | |
| Supplementary documentation in the library, using specialised platforms via internet and by field work | | | | |  | 6 | |
| Preparation time for seminars / practical classes, study themes, reviews, portfolio and essays | | | | |  | 5 | |
| Tutorship | | | | |  | 2 | |
| Examinations | | | | |  | 2 | |
| Other activities | | | | |  | 5 | |
| 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 | Medical imaging/exploration techniques in medical rehabilitation. Internal medicine aspects. |
| 4.2. of competences | Knowledge of different methods, exploration techniques(imaging), paraclinical techniques, integration level of the human biosystem under certain circumstances.  Pathophysiological manifestations of the most common medical conditions, and the ability to recognize/decide wich treatment is the most suitable. |

5. **Conditions (where applicable)**

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| 5.1. for lectures | Video support/Projector |
| 5.2. for seminars / practical classes | Free access during medical appointments and in the dermatology treatment room. |

**6. Specific competences acquired**

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| **Professional competencies** | **C 1.5** | Recognizing symptoms and identifying an adequate rehabilitation plan.  Treatment of various diseases and conditions of the human body by using the specific means of physical therapy. |
| **C 3.5** | Adapting the treatment plan for the treated area, and interpreting the pathology using basic knowledge.  Restorative therapeutic management for patients with dermatologic pathologies |

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

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| 7.1. General objective | Achieving necessary knowledge regarding skin structure and skin conditions. |
| 7.2. Specific objectives | Knowing main classes of skin lesions and identifying a suitable treatment option. |

**8. Contents**

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| **8.1. Lectures** | | **Teaching methods** | **Observations** |
| 1 | Introduction to dermatology. Anatomy and histology of the skin. General aspects and terminology. Normal aspects of skin structure. | Power point presentations.  Interactive discussions. | 2 hours |
| 2 | Skin physiology. Skin properties and functions.  Skin annexes. Functions and normal aspects of hair and nail growth. Skin glands. | Powerpoint presentations.  Handouts.  Interactive discussions. | 2 hours |
| 3 | Basic skin lesions. General description, terminology, identification, characteristics and macro-aspect. Pre-malignant lesions, malignant tumor formations, benign tumor formations, hyperhidrosis and hypertrichosis.  Most common skin and annexes conditions. Pathophysiologic aspects. Skin and annexes traumatology. Factors that cause trauma. | Powerpoint presentations.  Handouts.  Interactive discussions. | 4 hours |
| 4 | Bacterial skin infections. Treatment options. | Powerpoint presentations.  Handouts.  Interactive discussions. | 2 hours |
| 5 | Fungal skin infections. Treatment options. | Powerpoint presentations.  Handouts.  Interactive discussions. | 2 hours |
| 6 | Blood vessel structure: Anatomy and physiology of the venous system - introduction to phlebology, varicella - clasification, symptoms, balneary treatment and other types of treatment. Chronic venous insufficiency - symptoms+treatment.  Associated varicella: varicella in rheumatic diseases and other affections. | Powerpoint presentations.  Handouts.  Interactive discussions. | 2 hours |

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| **8.2. Practical activities - practical class** | | **Teaching methods** | **Observations** |
| 1 | Occupational safety and health training. Skin types. Fitzpatrick scale. Skin imperfections. | Paperwork requirements.  Listing and describing the methods and devices that were used.  Evaluation of practical examples.  Presenting final results. | 2 hours |
| 2 | Hair and nails abnormalities. Clinial status and treatment. | 2 hours |
| 3 | Hyperpigmentated/depigmentated skin.  Melasma and eczema. Clinial status and treatment. | 2 hours |
| 4 | Hyperseborrhea and xerosis cutis. Clinial status and treatment. | 2 hours |
| 5 | Acne and rozacea. Clinial status and treatment. | 2 hours |
| 6 | Common STDs (sexually transmited diseases). Clinial status and treatment. | 2 hours |
| 7 | Phlebitis and chronic venous insufficiency. Clinial status and treatment. | 2 hours |

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| **8.3. Bibliography:** |
| Mandatory:   * Courses from E-learning platform * Clinical diagnosis in dermatology- L.Solovastru-“Gr. T. Popa” UMF Iasi Ed., 2014 * Provocari clinice si sanatate publica in dermatologie, capitol Utilizarea peptidelorMatrikin-Mimetice in dermato-cosmetica, L.Gheuca-Solovastru, A.Zbranca, Ed.”Gr.T.Popa” U.M.F. Iași 2018. * Dermatovenerologie - Manual pentru studenti, 2013, Universitatea de stat de medicina si farmacie „Nicolae testemitanu” - Catedra Dermatovenerologie, pdf |
| Elective:   * Ghid practic de dermatologie Oxford (Ghidurile medicale Oxford), 2020, ISBN: 9786069457689, Editura: [Hipocrate](https://www.librariadelfin.ro/editura/hipocrate--i682), S. Burge, R. Matin, D. Wallys, C. Giurcaneanu, F. Sandru * Sima Jain, Dermatology, Springer, 2012 * Jennifer A. Cafardi, The Manual of Dermatology, Springer, 2012 |
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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:   * Basic knowledge regarding skin structure, basic lesions, disorders * Distinguishing between normal and abnormal skin status. | | | |

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| Date | Holder of course / signature, | Holder of practical activities / signature, |
| 11.09.2023 | Professor Anca Zbranca, MD, PhD | Professor Anca Zbranca, 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 |