**SYLLABUS**

1. **Programme Details**

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| **1.1.** | **GRIGORE T. POPA UNIVERSITY OF MEDICINE AND PHARMACY IASI** | | | | | | | |
| **1.2.** | **FACULTY : MEDICINE / DEPARTMENT: MEDICAL DISCIPLINES III** | | | | | | | |
| **1.3.** | **DISCIPLINE: DERMATOLOGY** | | | | | | | |
| **1.4.** | **FIELD of STUDY:** **HEALTH** | | | | | | | |
| **1.5.** | **STUDY CYCLE: BACHELOR** | | | | | | | |
| **1.6.** | **PROGRAMME of STUDY: Medicine - English** | | | | | | | |
| 1. **Discipline Details** | | | | | | | | |
| **2.1.** | **Name of the Discipline: DERMATOLOGY** | | | | | | | |
| **2.2.** | **Teaching staff in charge with lectures:** Lecturer Dan Vâță MD PhD | | | | | | | |
| **2.3.** | **Teaching staff in charge with seminar activities:** Lecturer Dan Vâță MD PhD | | | | | | | |
| **2.4. Year** | | **VI** | **2.5. Semester** | **I/II** | **2.6. Type of evaluation** | **E1/E2** | **2.7. Discipline regimen** | Mandatory |

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** | **56** | **Of which: 3.5. lectures** | | **28** | **3.6. seminar/ laboratory** | **28** |
| **Distribution of time** |  |  | |  |  | Hours |
| **Study time using coursebook materials, bibliography and notes** | | | | | | 28 |
| **Further study time in the libray, online and in the field** | | | | | | 10 |
| **Preparation time for seminars / laboratories, homework, reports, portfolios and essays** | | | | | | 28 |
| **Tutoring** | | | | | |  |
| **Examinations** | | | | | | 3 |
| **Other activities** | | | | | | - |
| **3.7. Total hours of individual study** | | |  | | | 69 |
| **3.8. Total hours / semester** | | |  | | | 125 |
| **3.9. Number of credits** | | |  | | | 5 |

1. **Prerequisites (where applicable)**

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| **4.1. curriculum** | * basic notions on skin organ function; * basic notions on physiology, histology, pathophysiology of the skin; * basics notions of microbiology, epidemiology and hygiene. |
| **4.2. competences** | * taking medical history and physical examination of patients |

1. **Conditions (where applicable)**

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| **5.1. for lecture delivery** | videoprojector |
| **5.2. for seminar / laboratory delivery** | - |

1. **Specific Competences Acquired**

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| **Professional Competences (knowledge and skills)** | * diagnosis and treatment of the most frequent met cutaneous diseases in general medicine practice; * recognizing of transmitting dermatological diseases, establishment of the epidemiological context, finding and treatment of the source and contacts; * suspecting and diagnosing of the life threatening dermatological diseases (egg: pemfigus vulgaris, malignant melanoma, acute urticaria and angio-oedema, systemic lupus erythematosus, Stevens-Johnson’s syndrome etc); * diagnosis of sexually transmitted diseases; |
| **Transversal Competences (roles, personal and professional development)** | * understanding of the importance and of the practical way to cooperate with other specialties physicians for diagnosis, treatment and overview of the patient |

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

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| **7.1. General Obiective** | * learning theoretical knowledge guarding normally structure of the skin and physiology of the skin comparing with histological and physiopathological modifications in dermatological diseases; * well knowing of the theoretical information about the diseases which are included in our discipline program (including iconography of the clinic); * learning the newest and usefully clinically and laboratory methods for diagnosing dermatological diseases; * learning new therapy principles and methods in dermatology. |
| **7.2. Specific Obiectives** | * correct relationships with dermatological patient; * taking a correct, complete anamnesis, watching dermatological problems, but keeping the general pathological context; the correct examination of the patient (inspection, palpation, specific dermatological techniques: Brocq’s methodical scraping, diascopy, Tzanck’s smears etc); * clinical and paraclinical diagnosis in the common dermatological manifestations in the most frequently met diseases in medical practice; * the recommended treatment and measures of prophylaxy; the understanding of the importance of continuing and over viewing of the therapy way prescribed by dermatologist. |

1. **Contents**

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| **8.1. Lecture** | **Teaching methods** | **Comments** |
| **Anatomy of the skin. Histology of the skin** (epidermis, dermo-epidermal junction, dermis, hypodermis, skin appendages, cutaneous vasculature, nerves and receptors of the skin).  **Physiology of the skin**: keratin synthesis, melanogenesis, physiology of the skin appendages, protective functions of the skin, skin immune system). Basic pathologic reactions in the skin.  **Basic skin lesions**. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Muco-cutaneous mycoses** (superficial and subcutaneous mycoses): epidemiology, etiology, clinical manifestations, laboratory diagnosis, treatment and prevention. **Part I** | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Muco-cutaneous mycoses** (superficial and subcutaneous mycoses): epidemiology, etiology, clinical manifestations, laboratory diagnosis, treatment and prevention. **Part II** | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Viral infections in the skin**: etiology, clinical manifestations (HPV infections, poxviridae infections, herpes virus infections, other viral infections), laboratory diagnosis, treatment and prophylaxis. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Disorders of hipersensitivity**: clinical features (urticaria and angioedema, eczema, pompholyx, neurodermatitits, erithema multiforme, Henoch Schonlein Purpura, erithema nodosum), etiology, pathogenesis, laboratory diagnosis, treatment and prophylaxis. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Pyodermas**: etiology, clinical features, laboratory diagnosis, treatment and prophylaxis. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Scabies and pediculosis**: etiology, epidemiology, clinical manifestations, complications, treatment and prophylaxis.  **Cutaneous tuberculosis**: clinical features, laboratory diagnosis, treatment and prevention. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Connective tissue diseases**: clinical manifestations (lupus erythematosus, scleroderma, dermatomyositis), pathogenesis, laboratory diagnosis, treatment. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Autoimmune bullous diseases** (pemphigus, bullous pemphigoid, dermatitis herpetiformis etc): clinical features, laboratory investigations, pathogenesis, treatment. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Lichen planus**: clinical features, laboratory investigations, pathogenesis, treatment.  **Psoriasis**: clinical features, etiology, pathogenesis, therapy. | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Sexually transmitted diseases**.  **Syphilis**: ethiology, clinical manifestations (acquired syphilis, prenatal syphilis), laboratory investigations, treatment.  **Gonorrhoea**: clinical manifestations, laboratory diagnosis, treatment and prevention.  Cutaneous manifestations in HIV infection | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Tumors of the skin**: benign epithelial tumors, benign connective tissue tumors, naevi. Malignant tumors (carcinomas, melanoma). | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Acne vulgaris**: etiopathogeny, clinical aspects, laboratory diagnosis, treatment. Rozaceea: etiology, epidemiology, clinical manifestations, complications, treatment | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Venous chronic insuficiency**: etiopathogeny, clinical aspects, laboratory diagnosis, treatment and prophilaxy | Oral presentation, active-participative interactive methods, power point presentations |  |
| **Bibliography**   1. “Clinical diagnostic in dermatology”- edited by Laura Gheucă Solovăstru , Ed Gr T Popa Iasi 2014 2. „Dermatologie clinică şi venerologie” – Laura Gheucă Solovăstru, Ed. Junimea, Iaşi, 2003 3. „Dermatologie şi infecţii transmise sexual” – edited by Zenaida Petrescu, Ed. Junimea, Iaşi, 2008. 4. „Clasic și modern in psoriazis„ - coordonator Laura Gheucă Solovăstru Ed Junimea, Iaşi, 2008. 5. Fitzpatrick’s Dermatology in general medicine, VIII Edition, 2012 6. Rook’s Textbook of dermatology, VIII Edition , 2010 | | |
| **8.2. Seminar / Laboratory** | **Teaching methods** | **Comments** |
| General and physical examination of the skin. Basic skin lesions – clinical cases. Principle of care for the normal and pathologic skin | oral presentation,  case studies,  power point presentations |  |
| Muco-cutaneous mycoses (superficial and subcutaneous mycoses): clinical manifestations, laboratory diagnosis, treatment and prevention – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Parasitoses (Scabies, pediculosis, larva migrans etc.): clinical manifestations, complications, treatment and prophylaxis – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Muco-cutaneous viral infections(HPV infections, poxviridae infections, herpes virus infections, other viral infections): clinical manifestations, laboratory diagnosis, treatment and prophylaxis –clinical cases | oral presentation,  case studies,  power point presentations |  |
| Pyodermas: clinical features, laboratory diagnosis, treatment and prophylaxis – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Cutaneous tuberculosis: clinical features, laboratory diagnosis, treatment and prevention – case presentation | oral presentation,  case studies,  power point presentations |  |
| Disorders of hipersensitivity: clinical features (urticaria and angioedema, eczema, pompholyx, neurodermatitits, cutaneous vasculitis), laboratory diagnosis, treatment and prophylaxis – case presentation | oral presentation,  case studies,  power point presentations |  |
| Connective tissue diseases: clinical manifestations (lupus erythematosus, scleroderma, dermatomyositis etc), pathogenesis, laboratory diagnosis, treatment – case presentation | oral presentation,  case studies,  power point presentations |  |
| Autoimmune bullous diseases (pemphigus, bulous pemphigoid, dermatitis herpetiformis etc): clinical features, laboratory investigations, pathogenesis, treatment – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Psoriasis: clinical features, etiology, pathogenesis, therapy.  Lichen planus: clinical features, laboratory investigations, pathogenesis, treatment – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Alopecias: clinical features, diagnosis, pathogenesis, treatment. Rosaceea: clinical features, diagnosis, pathogenesis, treatment – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Acne vulgaris: clinical aspects, praclinical examination, treatment – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Porphyria cutanea tarda: diagnosis, laboratory investigations, treatment and photodermatosis. Genodermatosis (bullous, disturbances of the keratinisation and pigmentary disorders etc.): diagnosis and treatment Tumors of the skin: benign epithelial tumors, benign connective tissue tumors, naevi. Malignant tumors (carcinomas, melanoma). Precarcinomatous skin lesions and prophylaxis – clinical cases | oral presentation,  case studies,  power point presentations |  |
| Chronic venous insufficiency and leg ulcers: diagnosis and treatment  Sexually transmitted diseases  Syphilis: etiology, clinical manifestations (acquired syphilis, prenatal syphilis), laboratory investigations, treatment.  Gonorrhoea: clinical manifestations, laboratory diagnosis, treatment and prevention.  Muco-cutaneous manifestations in HIV infection – clinical cases | oral presentation,  case studies,  power point presentations |  |
| **Bibliography**   1. “Clinical diagnostic in dermatology”- edited by Laura Gheucă Solovăstru , Ed Gr T Popa Iasi 2014 2. „Dermatologie clinică şi venerologie” – Laura Gheucă Solovăstru, Ed. Junimea, Iaşi, 2003 3. „Dermatologie şi infecţii transmise sexual” – edited by Zenaida Petrescu, Ed. Junimea, Iaşi, 2008. 4. „Clasic și modern in psoriazis„ - coordonator Laura Gheucă Solovăstru Ed Junimea, Iaşi, 2008. 5. Fitzpatrick’s Dermatology in general medicine, VIII Edition, 2012 6. Rook’s Textbook of dermatology, VIII Edition , 2010 | | |

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

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| The teaching objectives, knowledge and skills are established and specified as such in the curricula reviewed annually. After analysis within the discipline, they are discussed and approved at the Curriculum Office, to harmonize with other disciplines. Throughout the period they are evaluated systematically, to make possible a direct correspondence between content and expectations of the academic community, the community representatives, professional associations and employers. As a primary goal, discipline aims to give students the best prerequisites for the years of study in the Bachelor in Medicine program in anticipation of successful employment immediately after graduation, residency programs in Romania and in 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** | Average grade of ongoing examinations | ongoing evaluation | 10% |
| Image Diagnosis | practical exam | 10% |
| Grade for practical examination | practical exam | 30% |
| **Minimum standard of performance: at least grade 5 to pass the discipline** | | | |

**Date:** 1.10.2019 **Signiture of Didactic Co-ordinator**

**Prof dr. Laura Gheucă Solovăstru**

**Signiture of Department Director Prof dr. Laura Gheucă Solovăstru**