**COURSE OUTLINE - RESPIRATORY MEDICINE**

1. **GENERAL**

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| **SCHOOL** | School of Health Sciences | | | | |
| **ACADEMIC UNIT** | Faculty of Medicine | | | | |
| **LEVEL OF STUDIES** | Undergraduate | | | | |
| **COURSE CODE** | **ΙΑΥ911** | **SEMESTER** | | **7+8** | |
| **COURSE TITLE** | **RESPIRATORY MEDICINE** | | | | |
| **INDEPENDENT TEACHING ACTIVITIES** *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits* | | | **WEEKLY TEACHING HOURS** | | **CREDITS** |
|  | | | 25 | | 5 |
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| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).* | | |  | |  |
| **COURSE TYPE**  *general background,  special background, specialised general knowledge, skills development* | GENERAL SKILLS | | | | |
| **PREREQUISITE COURSES:** |  | | | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | GREEK – ENGLISH (per request) | | | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | YES | | | | |
| **COURSE WEBSITE (URL)** | https://ecourse.uoi.gr/enrol/index.php?id=1377 | | | | |

1. **LEARNING OUTCOMES**

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| **Learning outcomes** | |
| *The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.*  *Consult Appendix A*   * *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area* * *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B* * *Guidelines for writing Learning Outcomes* | |
| **The skills training that is provided to the students during their training at the Respiratory Medicine Department is:**   1. Obtain medical history from patients with respiratory conditions and perform and interpret clinical examination (focus on auscultation and interpretation of lung sounds) 2. Performance and basic interpretation of pulmonary function tests (simple spirometry and flow-volume curve and optionally body plethysmography and DLCO) 3. Performance and interpretation of arterial blood gases testing 4. Obtain basic skills in the diagnosis and management of major respiratory diseases, including asthma, COPD, respiratory infections, tuberculosis, interstitial lung disease, pleural effusions, pneumothorax, lung cancer, pulmonary embolism, sleep apnea, tuberculosis, interventional pulmonology. 5. Follow all the activities of the department:  * Bronchoscopy suite * Sleep laboratory * Pulmonary function tests laboratory * Clinical trials * Outpatient clinics (asthma, COPD, interstitial lung disease, sleep, tuberculosis, smoking cessation, preoperative evaluation, general respiratory)  1. Diagnosis and management of respiratory emergencies at on-call duty and at the emergency department. | |
| **General Competences** | |
| *Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?* | |
| *Search for, analysis and synthesis of data and information, with the use of the necessary technology*  *Adapting to new situations*  *Decision-making*  *Working independently*  *Team work*  *Working in an international environment*  *Working in an interdisciplinary environment*  *Production of new research ideas* | *Project planning and management*  *Respect for difference and multiculturalism*  *Respect for the natural environment*  *Showing social, professional and ethical responsibility and sensitivity to gender issues*  *Criticism and self-criticism*  *Production of free, creative and inductive thinking*  *……*  *Others…*  *…….* |
| *Clinical decision making*  *Autonomous and group work*  *Involvement in an international environment*  *Engagement in an interdisciplinary environment*  *Showing social, professional and ethical responsibility and sensitivity to gender issues*  *Constructive criticism and self-criticism*  *Production of free, creative and inductive thinking* | |

1. **SYLLABUS**

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| 1. Introduction to Rerpiratory Medicine 2. Spirometry – arterial blood gases 3. Asthma – COPD 4. Interstitial lung disease 5. Respiratory infections – community acquired pneumonia 6. Tuberculosis 7. Pleural effusions – Pneumothorax – pneumomediastinum 8. Sleep disorders 9. Pulmonary embolism 10. Lung cancer – Tumors of mediastinum and pleura 11. Interventional pulmonology |

1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY** *Face-to-face, Distance learning, etc.* | Face-to-face lectures (auditorium)  Clinical training at the respiratory medicine department, the sleep laboratory, the pulmonary function test laboratory, the bronchoscopy suite and the outpatient clinics |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* | Presentations using multimedia (computers, video projectors, audiovisual equipment for webinarsl)  e-mail communication  Presentations and announcements through e-course |
| **TEACHING METHODS**  *The manner and methods of teaching are described in detail.*  *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.*  *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS* | |  |  | | --- | --- | | ***Activity*** | ***Workload of each students group*** | | Lectures | 18 h | | Clinical training (department) | 60 h | | On call training | 12 h | | Sleep lab | 6 h | | Bronchoscopy suite | 6 h | | Pulmonary function test lab | 6 h | | Outpatient clinics | 18 h | | Clinical trials and research | 2 h | |  |  | | **Total** | **128 h** | |  |  | |
| **STUDENT PERFORMANCE EVALUATION**  *Description of the evaluation procedure*  *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other*  *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.* | Written – based on multiple choice questions |

1. **PROPOSED LITERATURE**

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| **Clinical Respiratory Medicine 4th Edition**  Date of publication: 08/2012  Authors : Stephen G. Spiro & Gerard A Silvestri & Alvar Agustí  ISBN: 9781455707928  Imprint: Saunders  *-relevant clinical journals::*   * European Respiratory Journal * American Journal of Respiratory and Critical Care Medicine * Chest * Breathe * Pneumon |