



## DISCIPLINE FILE

### 1. Program data

1.1.	"CAROL DAVILA"UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF MEDICINE / DEPARTMENT 5
1.3.	OCCUPATIONAL MEDICINE DISCIPLINE
1.4.	STUDY FIELD: Health - Sectoral regulation within the European Union / Sectorally standardized within the European Union
1.5.	STUDY CYCLE: LICENSE
1.6.	STUDY PROGRAM: MEDICINE

### 2. Discipline data

2.1.	Name of discipline / compulsory matter/ / <del>optional within the discipline</del> : OCCUPATIONAL MEDICINE							
2.2	Locația disciplinei:							
2.3.	Course Leader:							
2.4.	Holder of clinical practice							
2.5.	Year of study	IV	2.6. Semester	VII VIII	2.7. Type of evaluation	written exam and practical exam	2.8. The discipline regime	compulsory

### 3. Estimated total time (hours / semester of didactic activity) – modular education

No. hours per week	30	of which: course	10	Clinical training	20
Total hours of the curriculum	<b>30</b>	of which: course	<b>10</b>	Clinical training	<b>20</b>
Distribution of Time	1 week		6 hours / day		hours
Study after manual, course support, bibliography and notes					
Additional documentation in the library, on the specialized electronic platforms and on the field					
Training seminars / laboratories, homework, papers, portfolio and essays					
Tutorial					
Examinations					
Other activities					
Total hours of individual study					

Number of credits	see the pneumology and occupational diseases module - 10 ECTS	
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#### 4. Preconditions (where applicable)

4.1. curriculum	knowledge of the diagnosis and treatment of respiratory diseases
4.2. skills	general clinical examination of the patient

#### 5. Requirements (where applicable)

5.1. of the course	video projector, negatoscope
5.2. of clinical practice	Occupational Medicine Clinic Department

#### 6. Specific accumulated competences

Professional skills (expressed through knowledge and skills)	<p>At the end of the module the student must know:</p> <ul style="list-style-type: none"> <li>- the main occupational diseases</li> <li>- diagnosis and treatment principles</li> <li>- occupational respiratory pathology</li> </ul> <p>At the end of the module the student must be able to:</p> <ul style="list-style-type: none"> <li>- carry out the occupational history, conducting the clinical examination on apparatus and systems, interpretation of paraclinical and laboratory investigations, establishing the positive diagnosis of occupational disease, differential diagnosis of occupational disease, therapeutic principles.</li> </ul>
Transversal skills (role, professional development, personal)	<ul style="list-style-type: none"> <li>- to have the ability to work in the medical team</li> <li>- to communicate with patients</li> <li>- to be empathetic</li> <li>- to show professional deontology</li> </ul>

#### 7. Objectives of the discipline (emerging from the specific skills grid)

5.1. Overall objective	<p>At the end of the module, the student needs to know:</p> <ul style="list-style-type: none"> <li>- the main occupational diseases</li> <li>- diagnosis and treatment principles</li> <li>- occupational respiratory pathology</li> </ul>
5.2. Specific objectives	<p>At the end of the module the student must be able to:</p> <ul style="list-style-type: none"> <li>- carry out the occupational history, conducting the clinical examination on apparatus and systems, interpretation of paraclinical and laboratory investigations, establishing the positive diagnosis of occupational disease, differential diagnosis of occupational disease, therapeutic principles.</li> </ul>

#### 8. Content

8.1. Course	Teaching methods	Remarks
Course 1 <u>Introductory notions</u> Occupational diseases, occupational related diseases, work accidents: definition.	Lecture Problem-Based Learning Case study method	Hours: 2 hours

List of occupational diseases with mandatory declaration in Romania. Diagnosis of occupational diseases. Principles of prevention and treatment in occupational diseases.		
<b>Course 2</b> <b><u>Pulmonary fibrosis</u></b> <ul style="list-style-type: none"> <li>• Pneumoconiosis: definition, etiology, pathogenesis, classification. International classification of pneumoconiosis radiographs.</li> <li>• Silicosis, asbestosis, other pneumoconiosis</li> </ul>	Lecture Problem-Based Learning Case study method	2 hours
<b>Course 3</b> <b><u>Pulmonary fibrosis</u></b> Extrinsic allergic alveolitis.	Lecture Problem-Based Learning Case study method	2 hours
<b>Course 4</b> <b><u>Obstructive pathology</u></b> <ul style="list-style-type: none"> <li>• Occupational asthma.</li> <li>• Occupational COPD</li> </ul>	Lecture Problem-Based Learning Case study method	2 hours
<b>Course 5</b> <b>Occupational cancer</b>	Lecture Problem-Based Learning Case study method	2 hours
<b>8.2. Clinical training</b>	<b>Teaching methods</b>	<b>Remarks</b>
<b>CT 1</b> - carry out the occupational history, medical anamnesis, clinical examination; - interpretation of paraclinical and laboratory investigations; specific respiratory functional samples, specific skin tests; - establishing positive diagnosis of occupational disease, differential diagnosis of occupational disease, therapeutic principles.	Applied method	4 hours
<b>CT 2</b> - The international classification of radiographs in pneumoconiosis according to ILO 2011	Applied method	4 hours
<b>CT 3</b> - <b>Clinical cases</b> of silicosis, asbestosis, other pneumoconiosis, occupational asthma, extrinsic allergic alveolitis, occupational COPD, occupational cancer.	Applied method	4 hours
<b>CT 4</b> - <b>Clinical cases</b> of silicosis, asbestosis, other pneumoconiosis, occupational asthma, extrinsic allergic alveolitis, occupational COPD, occupational cancer.	Applied method	4 hours

CT 5 - <b>Clinical cases</b> of silicosis, asbestosis, other pneumoconiosis, occupational asthma, extrinsic allergic alveolitis, occupational COPD, occupational cancer.	Applied method	4 hours
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**References for course and clinical training**

- Bogdan M. A.- Pneumologie, Editura Universitara “Carol Davila” Bucuresti, 2009
- Cocarla A.- Medicina ocupationala- Editura Medicala Universitara “Iuliu Hatieganu” Cluj- Napoca, 2009
- Naghi E.- Patologia profesionala a aparatului respirator- Editura Universitara “Carol Davila” Bucuresti, 1997
- Rascu A. – Astmul bronic profesional- Note de curs pentru studenti si medici rezidenti, Editura Universitara 2006
- Rosenstock L., Cullen R. M., Brodtkin A. C., Redlinch A. C.: Textbook of Clinical Occupational and Environmental Medicine- Elsevier Saunders, Second Ed. 2005
- Toma I.- Medicina muncii- Editura Sitech, Craiova, 2014
- Toma I.- Practica medicinii muncii- Editura Sitech, Craiova, 2014

**9. Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of the program**

Appropriate training at the end of the Occupational Disease course confers the prerequisites for admission to residency and the conduct of medical activity.

**10. Evaluation**

Type of activity	Evaluation criterias	Evaluation methods	Weight of the final grade
<b>Course</b>	Knowledge of the theoretical notions of matter	Exam with open topics	50%
<b>Clinical training</b>	<ul style="list-style-type: none"> <li>- To carry out the occupational history and</li> <li>- To carry out the general clinical examination</li> <li>- Determining the diagnosis of a professional disease</li> </ul>	Practical exam	50%
<b>Minimum performance standard</b>			
<ul style="list-style-type: none"> <li>• • At least 50% for each evaluation component</li> </ul>			