



DISCIPLINE SHEET

1. Programme Information

1.1.	CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF MEDICINE
1.3.	CLINICAL DEPARTMENT 5 – INTERNAL MEDICINE, CARDIOLOGY, GASTROENTEROLOGY, HEPATOLOGY, RHEUMATOLOGY, GERIATRICS, FAMILY MEDICINE, OCCUPATIONAL MEDICINE
1.4.	DISCIPLINE: OCCUPATIONAL MEDICINE
1.5.	FIELD OF STUDY: HEALTH
1.6.	STUDY CYCLE: BACHELOR'S DEGREE/LICENCE
1.7.	STUDY PROGRAMME: MEDICINE- ENGLISH MODULE

2. Discipline Information

2.1.	Name of the discipline in the curriculum: OCCUPATIONAL MEDICINE				
2.2.	Discipline code: DSIV5M				
2.3.	Discipline type (DF/DS/DC): DS				
2.4.	Discipline status (DOB/DOP/DFA): DOB				
2.5.	Course coordinator(s): 1.				
2.6.	Name of the discipline in the curriculum: OCCUPATIONAL MEDICINE 1.				
2.7. Year of study	IV	2.8. Semester	I and II	2.9. Type of assessment (E/C)	E

3. Estimated total time (hours/semester for teaching activities and individual preparation/study)

I. University training (teaching, practical application, assessment)						
3.1. No. of hours per week	4	of which:	3.2. course	2	3.3. / clinical placement	2
3.4. Total hours according to the curriculum	20	of which:	3.5. course	8	3.6. / clinical placement	10
Assessment (no. of hours): 2						
II. Individual preparation/study						
Distribution of time allocation						hours
Study of course materials, textbooks and books; study of the recommended minimum bibliography						10
Additional documentation in the library and through the Internet						5
Completion of specific preparation activities for projects, laboratory work, assignments and papers						
Preparation for presentations or assessments and preparation for the final examination						10

Consultations	5
Other activities	
3.7. Total hours of individual study	40
3.9. Total hours per semester	40+20=60
3.10. Number of credits	2

4. Prerequisites (where applicable)

4.1. Curriculum prerequisites	SEMIIOLOGY, PHYSIOLOGY, PATHOPHYSIOLOGY, INTERNAL MEDICINE, RESPIRATORY MEDICINE, ONCOLOGY, ORTHOPEDICS
4.2. Competency prerequisites	case history, clinical examination, laboratory and other paraclinical investigations, interpretation of test results, completion of medical record

5. Conditions (where applicable)

5.1. Conditions for conducting the course	PowerPoint presentations, use of multimedia systems, and projector
5.2. Conditions for conducting the seminar / laboratory	availability of patients; adequately equipped wards and the necessary equipment required for performing investigations/

6. Learning outcomes*

Knowledge	Skills	Responsibility and autonomy
about: - the occupational risk factors - the relationship between a risk factor and occupational diseases - the list of occupational diseases - guidelines for treatment and prevention	- the ability to identify occupational risk factors in clinical practice - the ability to recognize the criteria for a positive diagnosis of occupational disease and work related diseases in clinical practice - the understanding of the principles of treatment and prevent of occupational diseases	- the ability to work in a team - the ability to communicate with the patient in order to correctly perform a professional medical history - to be able to comply with professional and ethical standards of conduct - to be able to respect the dress code requested in the hospital environment -to be able to use polite and refined language - to comply with the university schedules for lectures and clinical practice

7. Objectives of the discipline (correlated with the learning outcomes)

7.1. General objective	Understanding the relationship between occupational exposure to risk factors and changes in health status Diagnostic criteria in occupational diseases Understanding of the prevention principles and treatment in occupational diseases and in work related diseases
7.2. Specific objectives	Identification of the risk factors in the workplace as hazards for occupational diseases or as aggravating factors for pre-existing chronic diseases

8. Contents

8.1. Course	Teaching methods	Remarks
Occupational diseases: risk factors, diagnostic criteria, treatment principles, specific aspects for healthcare personnel. Work- related diseases: classification, list of occupational diseases. Occupational respiratory diseases: occupational hazards, diagnostic criteria, guidelines for prevention and treatment	PowerPoint presentations with theoretical concepts, - projection of images and videos depicting workplaces, risk factors - presentation of conventional radiographs, CT scans, paraclinical investigations	-interactive presentation supported by PowerPoint -case presentations -interpretation of laboratory test results and paraclinical investigations
Occupational cancer : occupational hazards, diagnostic criteria, guidelines for prevention and treatment	PowerPoint presentations with theoretical concepts, - projection of images and videos depicting workplaces, risk factors - presentation of conventional radiographs, CT scans, paraclinical investigations	-interactive presentation supported by PowerPoint -case presentations -interpretation of laboratory test results and paraclinical investigations
Occupational musculoskeletal diseases : occupational hazards, diagnostic criteria, guidelines for prevention and treatment	PowerPoint presentations with theoretical concepts, - projection of images and videos depicting workplaces, risk factors - presentation of conventional radiographs, CT scans, paraclinical investigations	-interactive presentation supported by PowerPoint -case presentations -interpretation of laboratory test results and paraclinical investigations
Occupational diseases caused by exposure to toxic agents in the workplace occupational hazards, diagnostic criteria, guidelines for prevention and treatment	PowerPoint presentations with theoretical concepts, - projection of images and videos depicting workplaces, risk factors - presentation of conventional radiographs, CT scans, paraclinical investigations	-interactive presentation supported by PowerPoint -case presentations -interpretation of laboratory test results and paraclinical investigations
Recent bibliography: - Diagnostic and exposure criteria for occupational diseases. Guidance notes for diagnosis and prevention of the diseases in the ILO List of Occupational Diseases (revised 2010), Edited by Shengli Niu, Claudio Colosio, Michele Carugno, Anil Adisesh, International Labour Organization 2022, ISBN 978-92-2-035683-8 (Print), ISBN 978-92-2-035682-1 (Web PDF), Chapter 2- Occupational disease by target organ systems, - Encyclopedia of occupational health and safety : https://www.iloencyclopaedia.org/part-i-47946/ - Kumar și Clark Clinical Medicine (10th Edition), Elsevier, 2021, ISBN 978-0-7020-7868-2 - Essential of General surgery and Surgical Specialities. Peter Laurens. 6th edition, Wolters Kluwer, 2019, eISBN: 9781496351050,		
8.2. Laboratory / practical work	Teaching methods	Remarks
- performing the occupational history and the link with the medical history	-taking an occupational history through patient interview - case presentations	Practical activities are conducted as a clinical placement at the patient's

- performing a clinical examination - discussions regarding the diagnosis of occupational diseases (positive diagnosis, differential diagnosis) - legislation on the reporting and declaration of occupational diseases - prevention methods, contraindications to employment	- discussions regarding laboratory test results - performance and interpretation of paraclinical investigations: assessment of ventilatory function by spirometry, pulse oximetry, assessment of auditory function by audiometry, visual function screening - interpretation of occupational risk factor assessment results	bedside and/or in the diagnostic laboratory of Occupational Medicine Clinic-Colentina Hospital with the aim of familiarizing students with methods specific to the diagnosis and treatment of occupational diseases
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9. Assessment

Type of activity	9.1. Assessment criteria	9.2. Assessment methods	9.3. Percentage of the final ggrade
9.4. Course	Assessment of theoretical knowledge theoretical	Written assessment test 3 questions – with descriptive answers	66%
9.5. Clinical placement	Establish a clinical decision in 3 hypothetical situations of occupational exposure (individual assesment) Identification of occuaptional hazards from the occupational history of a patient (team assessment)	3 Questions reflecting different occupational exposures Occupational anamnesis with a patient	33% of which 50% is representing the individual results and 50% the team results
9.5.1. Individual project (if applicable)	no	no	
9.6. Minimum performance standard			
Passing the examination requires the student to obtain a minimum grade of 5 in both the practical and theoretical examinations, corresponding to at least 50% for each assessed component (each component is compulsory and eliminatory).			

Date of completion:
1.10.2026

Signature of the course coordinator

Signature of the laboratory coordinator

Date of approval by the Department Council:

Signature of the Department Director