

Occupational Medicine

Educational subject description sheet

Basic information

Department Faculty of Medicine Field of study Medical Program Study level long-cycle master's degree program Study form full-time Education profile general academic Disciplines Medical science Subject related to scientific research Yes		Didactic cycle 2016/17 Realization year 2019/20 Lecture languages English Block obligatory for passing in the course of studies Mandatory obligatory Examination graded credit Standard group E. Clinical non-procedural medical disciplines
Subject coordinator	Marcin Stobiecki	
Lecturer	Grzegorz Porębski, Marcin Stobiecki, Marcel Mazur, Dorota Myszkowska, Krzysztof Ciszowski, Piotr Hydzik, Ewa Gomółka	

Periods Semester 7, Semester 8	Examination graded credit Activities and hours classes: 4, seminar: 8, lecture: 6	Number of ECTS points 1.0
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Goals

C1	to get students acquire theoretical and practical knowledge of defining occupational disease and the base of recognition (the legal and medical aspects)
C2	to get students knowledge of epidemiology of occupational diseases
C3	to get students knowledge of defined occupational diseases including: Pneumoconiosis, Berylliosis, Byssinosis, Metal fever, Diseases caused by the action of physical factors, Tumors of occupational origin, Occupational poisoning by heavy metals, Infectious diseases of occupational origin, Allergic disease of the occupational origin as well as issues working environment: environmental and professional monitoring.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	basis rules of prevention, rules of conduct in the case of occupational exposure on dangerous and harmful factors	E.W32	test
W2	methods of diagnostic and therapeutic procedures appropriate for specific disease states	O.W3	test
W3	symptoms and course of diseases	O.W2	test
Skills - Student can:			
U1	plan the diagnostic procedure and interpret its results	O.U3	test
U2	carry out a medical history with an adult patient	E.U1	test
U3	conduct a full and targeted physical examination of an adult patient	E.U3	test
U4	maintain patient's medical records	E.U38	test
Social competences - Student is ready to:			
K1	formulate conclusions from own measurements or observations	O.K8	test
K2	use objective sources of information	O.K7	test
K3	promote health-promoting behaviors	O.K6	test
K4	respect medical confidentiality and patients' rights	O.K3	test
K5	to be guided by the well-being of a patient	O.K2	test
K6	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	O.K1	test

Calculation of ECTS points

Activity form	Activity hours*
classes	4
seminar	8
lecture	6
preparation for classes	10
Student workload	Hours 28
Workload involving teacher	Hours 18
Practical workload	Hours 4

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Defining occupational disease and the base of recognition (the legal and medical aspects)	W1, U1, K1	classes, seminar
2.	Diseases pseudo-professional	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
3.	Epidemiology of occupational diseases	W3, U1, U2, U3, U4, K1	classes, seminar
4.	Pneumoconiosis. Lung diseases caused by hard metals, triggered by man-made fibers. Berylliosis. Byssinosis.	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
5.	Metal fever	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
6.	Diseases caused by the action of physical factors: ionizing radiation, electromagnetic fields, infrasound and ultrasound, high and low temperature, high and reduced atmospheric pressure. Vibration syndrome.	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
7.	Tumors of occupational origin	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
8.	Occupational poisoning by heavy metals (lead, mercury)	W1, W2, W3, U1, K1	classes, seminar, e-learning lecture
9.	Occupational exposure to hydrocarbons	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
10.	Infectious diseases of occupational origin	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar
11.	Allergic occupational origin of the disease: pathogenesis of occupational allergy. Characteristics of occupational allergens. Interview and allergy diagnostics in occupational diseases. Skin tests with allergens professional point and patch. Specific and non-specific provocation tests. Occupational asthma. Allergic alveolitis. COPD. Professional anaphylaxis. Occupational skin diseases, respiratory allergic.	W1, W2, W3, U1, U2, U3, U4, K1, K2, K3, K4, K5, K6	classes, seminar, e-learning lecture
12.	Issues working environment: environmental and professional monitoring.	W1, W2, W3, U1, U2, U3, U4, K1	classes, seminar

Course advanced

Teaching methods:

case study, brainstorm, classes / practicals, clinical classes, demonstration, discussion, case study method, group work, lecture

Activities	Examination methods	Credit conditions
classes	test	60% correct answers
seminar	test	60% correct answers
lecture	test	60% correct answers

Additional info

attendance (limit is a maximum of 1 excused absence)

Entry requirements

Basic knowledge of internal medicine, ENT, dermatology, allergy including symptomatology and diagnosis of diseases of professional background. Knowledge of the pathophysiological processes, including immunology of allergic diseases, intolerance reactions and mechanisms of toxic.

Literature

Obligatory

1. Textbook of Occupational Medicine Practice – 3rd edition, may 2011; Koh David, Takahashi Ken
2. ABC of Occupational and Environmental Medicine, Snashall David, Patel Dipti; BMJ Publishing Group 2003, second edition; www.bmjbooks.com;
3. Hunter's Diseases of Occupations, Tenth Edition 2010; Peter J Baxter , Tar-Ching Aw , Anne Cockcroft, Paul Durrington , J Malcolm Harrington;

Optional

1. N. Szeszenia-Dąbrowska U. Wilczyńska, W. Sobala: Choroby zawodowe w Polsce w 2013 r. i ich czynniki przyczynowe. Occupational diseases in Poland in 2013 and their causative agents. Med. Pracy 2014;65(4), 317-326.
2. N. Szeszenia-Dąbrowska, U. Wilczyńska, Occupational diseases in Poland – An overview of current trends. Int J Occup Med Environ Health. 2013 26(3): 457-470.
3. Szeszenia-Dąbrowska N, Wilczyńska U. Occupational diseases among workers employed in various branches of the national economy. Med. Pr. 2013;64(2):161-74

Standard effects

Code	Content
E.U1	carry out a medical history with an adult patient
E.U3	conduct a full and targeted physical examination of an adult patient
E.U38	maintain patient's medical records
E.W32	basis rules of prevention, rules of conduct in the case of occupational exposure on dangerous and harmful factors
O.K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures
O.K2	to be guided by the well-being of a patient
O.K3	respect medical confidentiality and patients' rights
O.K6	promote health-promoting behaviors
O.K7	use objective sources of information
O.K8	formulate conclusions from own measurements or observations
O.U3	plan the diagnostic procedure and interpret its results
O.W2	symptoms and course of diseases
O.W3	methods of diagnostic and therapeutic procedures appropriate for specific disease states