



7 credits

45.0 h + 30.0 h

Q2

Teacher(s)	Michotte Jean-Bernard ;Poncin William coordinator ;Reychler Gregory ;Van Caenegem Olivier ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	On the basis of the descriptions of concrete clinical cases, the course will analyse in an integrated way the various aspects highlighted by these clinical situations (after to the student proposed personal readings) The semiology of the different studied pathologies will be particularly analysed as an indication of the physiotherapy techniques. The main techniques of respiratory, cardiac and vascular physiotherapy will be studied in a critical way as for their indications, application methods and results. They will also be approached in practice according to the possibilities offered by work on healthy subjects.
Aims	<p>At the end of this teaching, the student will know the anatomopathologic, physiopathologic characteristics and the semiology of the great respiratory syndroms as well as of diseases like Chronic Obstructive Pulmonary Diseases, asthma and pneumonia. The student will understand the mechanisms and repercussions of the main cardio-vascular diseases. He will know the indications and practical methods of the physiotherapy techniques suitable for the described cardio-respiratory and vascular deficits.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	Multiple Choice
Teaching methods	The educational unit is given in classroom sessions. Powerpoint is the main support. Clinical cases and video capsules will support the education. Active participation will be solicited through connected applications.
Content	Before reviewing the main pathological syndromes involving the respiratory system, through respiratory syndromes with a particular emphasis on clinical semiology, basics of respiratory mechanics will be detailed. In particular, the role and dysfunctions of respiratory muscles as a key element of the respiratory system will be discussed. Functional respiratory evaluation will be addressed through basic spirometry and patient's clinical exam. The purpose of respiratory physiotherapy will then be developed and the main techniques will be described and critically analysed. The same approach is developed in relation to cardiac function.
Inline resources	Moodle platform
Bibliography	La pneumologie fondée sur les preuves, 5e ed., SPLF (Editions Margaux Orange) Respiratory Physiology: The Essentials, 10e ed. J.B. West and A.M. Luks (Editions Wolters Kluwer) Pulmonary pathophysiology: The Essentials, 8e ed., J.B. West (Editions Wolters Kluwer) Kinésithérapie respiratoire, 3e ed. (2014), G. Reychler, J. Roeseler, P. Delguste (Elsevier Masson)
Other infos	Prerequisite: Cell Physiology, Anatomy General, systematic and functional Rating: oral or written examination and continuous assessment elements Support: Syllabus and book (s) Framing: Holder (s)
Faculty or entity in charge	FSM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Teacher Training Certificate (upper secondary education) - Physical Education	<a href="#">EDPH2A</a>	7		
Bachelor in Physiotherapy and Rehabilitation	<a href="#">KINE1BA</a>	7	<a href="#">LIEPR1002</a> AND <a href="#">LIEPR1028</a>	
Master [120] in Motor Skills: Physical Education	<a href="#">EDPH2M</a>	7		