


Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

7 credits	45.0 h + 30.0 h	Q2
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Teacher(s)	Michotte Jean-Bernard ;Poncin William (coordinator) ;Reychler Grégory ;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	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Volumes 1 and 2 will be assessed together during an exam including MCQs and / or Open Questions</p> <p>To pass the course, you need at least 10/20. The final mark cannot include a decimal: for a mark lower than 10/20, the final mark will be the mark obtained without decimal, with the lower rounding (9.8 / 20 becomes 9/20). For a score higher than 10/20, the final score will be rounded to the nearest unit (13.49 = 13; 13.50 = 14).</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>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.</p> <p>Attendance at lessons is compulsory. In the event of non-success and if the student re-registers for the course the following year, attendance remains compulsory.</p>
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: written examination of above Support: Syllabus and book (s) Framing: Holder (s)

Faculty or entity in charge	FSM
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Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	7	LIEPR1002 AND LIEPR1028 AND LKINE1006	
Master [120] in Motor Skills: Physical Education	EDPH2M	7		