


7.00 credits

45.0 h + 30.0 h

Q2

Teacher(s)	Michotte Jean-Bernard ;Poncin William (coordinator) ;Reychler Gregory ;Vancraeynest David ;
Language :	French > English-friendly
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.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <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>1</p>
Evaluation methods	<p>Mock tests will be offered during the year with sample questions of the same difficulty level as the exam. These questions are then corrected by the professor with the students, specifying the level of mastery and rigour expected (the correction criteria will be made explicit), in order to allow the students to realise what is expected and therefore to be able to adapt accordingly their strategies to study the lessons.</p> <p>Volumes 1 and 2 will be assessed together during an exam including MCQs and / or Open Questions</p> <p>Elements of continuous assessment may be applied, for example, to ensure the assimilation of the theoretical basis before participation in the practical courses, or to certify the mastery of the practical notions that will be covered during the year. Where appropriate, the scores obtained during these continuous assessments will correspond to a percentage ranging from 10% to 25% of the final grade. The in-session written examination will correspond to 75-90% of the final grade.</p> <p>To pass the course, you need at least 10/20. The final score cannot include a decimal: for a score lower than 10/20, the final grade will be the score 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> <p>The MCQ assessment will consist of N questions with only one correct answer for each question. The threshold to succeed the exam (corresponding to the minimum pass level, corresponding to a score of 10/20) is fixed by the following formula: $c = ((n+1)/2n) \times 100$.</p> <p>Where "c" is the "minimum pass score" (you must answer (c x 100) % of N questions correctly to get a score of 10/20) and "n" represents the number of propositions per question (e.g. n = 5 means 5 answer options per question)</p>
Teaching methods	<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	<p>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.</p>
Inline resources	Moodle platform

Bibliography	<p>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. Reyckler, J. Roeseler, P. Delguste (Elsevier Masson)</p>
Other infos	<p>Support: Syllabus and book (s) Framing: Holder (s)</p>
Faculty or entity in charge	<p>FSM</p>

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