

3.00 credits

30.0 h

Q2

Teacher(s)	Michotte Jean-Bernard ;Poncin William (coordinator) ;Reychler Gregory ;
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 and cardiac physiotherapy will be studied in a critical way as for their indications, application methods and results.
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>At the end of this teaching, the student will know the anatomopathologic, physiopathologic characteristics and the semiology of cardio-respiratory pathologies of adult and child such as neonatal pathologies, multisystemic, oncologic, pleural pathologies and those related to sleep,' The student will be able to practise and interpret some specific functional cardio-respiratory tests related to physiotherapy and revalidation. He will know theoretically and practically the principles of aerosoltherapy, mechanical ventilation, pulmonary rehabilitation and other specific techniques of respiratory physiotherapy. The student will have approached concepts of medical imagery related to the respiratory system and ECG.</p> <p>1</p>
Evaluation methods	<p>Multiple Choice and/or Open Questions.</p> <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>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: <math>c = ((n+1)/2n) \times 100</math>.</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	As a natural follow-up to LKINE1023 education unit, this one details the above mentioned unit and specifically develops some respiratory and cardiac diseases as well as professional situations. Like this, oncologic respiratory diseases, neuromuscular diseases and diseases requiring particular physiotherapy techniques such as cystic fibrosis are analysed. Intensive Care and Emergency Department physiotherapy techniques, respiratory assessment during sleep, mechanical ventilation and respiratory rehab are also developed.
Inline resources	Moodle Platform
Bibliography	<p>La pneumologie fondée sur les preuves, 5e ed., SPLF (Editions Margaux Orange)</p> <p>Respiratory Physiology: The Essentials, 10e ed. J.B. West and A.M. Luks (Editions Wolters Kluwer)</p> <p>Pulmonary pathophysiology: The Essentials, 8e ed., J.B. West (Editions Wolters Kluwer)</p> <p>Kinésithérapie respiratoire, 3e ed. (2014), G. Reychler, J. Roeseler, P. Delguste (Elsevier Masson)</p>
Other infos	<p>Support: Syllabus and / or book (s)</p> <p>Framing: Holder (s)</p>

Faculty or entity in charge	FSM
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<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	3	LKINE1023	