


2.0 credits	15.0 h + 15.0 h	1q
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Teacher(s) :	Lebrun Marcel ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>The major concern of the course is to locate various technologies within a problematic framework which subordinates the teaching "tools" to the objectives of the teaching training process. On the basis of example (Web sites, cederoms, softwares ...) extracted from various contexts and various disciplines, the following topics will be reviewed: techniques of multi-media and the Internet, a typology of technological tools for learning and teaching and their associated practices, pedagogical models for the development and the integration of the NTIC in education, the use of the NTIC in various teaching methods.</p> <p>One will also underline the interest of the technological approach in the steps of resolution of problems coming from various disciplines and in the development of transverse competences in learning (use of the bureautic software, for example).</p> <p>In the exercises, a very detailed attention will be given to the construction, the use and the exploitation of evaluation grids for each quoted technology and in their teaching uses.</p>
Aims :	<p>Objectives</p> <p>At the end of this course, the student will be more able</p> <ul style="list-style-type: none"> - to understand new information and communication technologies (ICT: audio-visual, multimedia, networks, Internet tools...), - to determine their teaching possibilities and their limits, - to describe teaching setups integrating these tools, - to evaluate the impacts of them (cognitive, relational, emotional...) on the training and finally to estimate their various costs. T <p>The integration of these technologies in the mechanisms of teaching and training will be particularly underlined.</p> <p>The more specific objective of the optional exercises will relate to the evaluation of the tools and the teaching setups in terms of competences that one wishes to develop.</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>
Content :	<p>Methods</p> <p>The course (the first 7 weeks) will be built around various talks illustrated "on line" (handling of the images, construction of Internet sites...) with a sufficient time for exchanges with the audience. For the optional exercises (7 last weeks), a formula of "mini-conference" (and teamwork) will be proposed. The students there will look further into a topic (analyzing software, educational sites, innovating devices...) and will present the results of their work "as a plénière".</p>
Other infos :	<p>Others informations</p> <p>The course in itself does not require prerequisites; the examples will be selected in various disciplines. With regard to the course, the exams will relate to the comprehension of the technical and teaching concepts seen in the course and to the analysis of a teaching situation integrating the technological tool. The evaluation of the exercises will relate to a thorough work of analysis, development and presentation of "products" and "situations" as well on the level of the techniques used as on the developed competences and the integration in teaching.</p> <p>Others elements</p> <p>Demonstrations (on computer or in video) will be organized within each course in order to show operations of the various aspects approached by the courses "in real dimension".</p> <p>References</p> <p>M. Lebrun (2002). Théories et méthodes pédagogiques pour enseigner et apprendre : Quelle place pour les TIC dans l'éducation. De Boeck (Bruxelles), 206 pages.</p> <p>M. Lebrun (2002). Des technologies pour enseigner et apprendre. 2ème édition revue. De Boeck (Bruxelles), 240 pages</p>
Faculty or entity in charge:	EDEF

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Ancient Languages and Letters: Classics	CLAS2M	3	-	
Master [120] in Modern Languages and Letters : German, Dutch and English	GERM2M	2	-	
Master [120] in Geography : General	GEOG2M	2	-	
Master [120] in Philosophy	FILO2M	3	-	
Teacher Training Certificate (upper secondary education) - Psychology and Education	PSP2A	2	-	
Master [120] in Biblical Studies	EBIB2M	2	-	
Master [120] in Theology	THEO2M	2	-	
Teacher Training Certificate (upper secondary education) - Theology	THEO2A	2	-	
Master [120] in History of Art and Archaeology : General	ARKE2M	3	-	
Master [120] in Biology of Organisms and Ecology	BOE2M	2	-	
Master [120] in Ancient and Modern Languages and Letters	LAFR2M	3	-	
Master [120] in History	HIST2M	3	-	
Teacher Training Certificate (upper secondary education) - Biology	BIOL2A	2	-	
Master [120] in Biochemistry and Molecular and Cell Biology	BBMC2M	2	-	
Teacher Training Certificate (upper secondary education) - Chemistry	CHIM2A	2	-	
Teacher Training Certificate (upper secondary education) - Physics	PHYS2A	2	-	

Master [120] in Physics	PHYS2M	2	-	
Master [120] in Chemistry	CHIM2M	2	-	