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Enseignants:	Van Dyck Hans ;
Langue d'enseignement:	Anglais
Lieu du cours	Louvain-la-Neuve
Thèmes abordés :	<p>The famous quote of Theodosius Dobzhansky ' « Nothing makes sense in biology, except in the light of evolution » (referring to his essay published in 1973) is well known among students in biology. However, the significance of evolutionary thinking is by no means limited to pure biology. Evolution played no significant role in psychology, sociology, agriculture, natural resource management and medicine for the better part of a century or so. But the intellectual times are changing. There are now new handbooks on evolutionary psychology, evolutionary medicine, Darwinian agriculture, etc. 'Evolutionary Applications' is also the title of a young scientific journal. Hence, students who are well trained in evolutionary thinking should be well armed for making significant contributions to several applied fields that are highly relevant for our society and current and future environment.</p> <p>In this course we will train evolutionary thinking within the context of several applications covering fields including agriculture, aquaculture, biomedicine, climate change, conservation biology, disease biology, forestry, invasion biology, fisheries, wildlife management, psychology and sociology. There is no syllabus or textbook, but we will use a number of papers and book chapters as study material (will be available on Moodle). I will lecture about different concepts and their application, and we will frequently discuss about case studies in the different fields of the natural and human sciences.</p>
Acquis d'apprentissage	<ol style="list-style-type: none"> Démontrer une maîtrise des processus de l'évolution des êtres vivants à long et court terme. Se confronter à l'application des connaissances acquises en biologie évolutive dans une série de domaines en biologie et en dehors de la biologie dans le sens strict. <p><i>La contribution de cette UE au développement et à la maîtrise des compétences et acquis du (des) programme(s) est accessible à la fin de cette fiche, dans la partie « Programmes/formations proposant cette unité d'enseignement (UE) ».</i></p>
Faculté ou entité en charge:	BIOL

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Crédits	Prérequis	Acquis d'apprentissage
Master [120] en biologie des organismes et écologie	BOE2M	2	-	