



In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

4 credits	30.0 h + 15.0 h	Q1
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Teacher(s)	Deprins Dominique ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	<p>This statistics courses has two complementary teaching objectives: - to provide a rigorous, logical understanding of descriptive statistics and the statistical inference applicable in the field of economic and social sciences; - to facilitate an intelligent operational use of these same methods (i.e. more specifically, an understanding of how to choose a tool that has been adapted to the problem and to available data, to be able to operate it correctly, and to be able to interpret the results and their limitations).</p> <p>1</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>
Bibliography	<p>- Mendenhall W, Beaver R. J. and B. M. Beaver, Introduction to Probability and Statistics, Duxbury Press, 14 ed. 2012.</p> <p>- Wonnacott T. H. and R. J. Wonnacott, Statistique: Economie - Gestion - Sciences - Médecine (avec exercices d'application), Paris, Economica, 4ème ed. 2000.</p> <p>- Howell D. C., Statistique en Sciences Humaines (M. Rogier, traduction française), Edition Deboeck, 2008.</p> <p>- Dehon C., J.-J. Droesbeke et C. Vermandele, Eléments de Statistique, Edition Ellipses Marketing, Collection ULB, 5e édition, 2008</p> <p>Il existe une panoplie de livres en français comme en anglais qui reprennent cette matière de base de la statistique et qui sont assortis d'exercices résolus ou non. Certains se trouvent à la bibliothèque ESPO de l'université. De plus, Internet regorge de cours de statistique, plus ou moins poussés, et de documents expliquant des concepts ou des chapitres de ce cours. Une série de vidéos sur YouTube, intitulées « La Statistique expliquée à mon chat » du Statisticien Nathan Uytthendael (<a href="https://www.youtube.com/channel/UCWty1twZW_ZNSp5GVGteaA/featured">https://www.youtube.com/channel/UCWty1twZW_ZNSp5GVGteaA/featured</a>), permettent une approche aussi sérieuse que ludique de certains concepts statistiques. À certaines occasions, elles seront utilisées au cours-même.</p>
Faculty or entity in charge	ESPO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Human Resources Management	GRH2M	4		
Master [60] in Labour Sciences (shift schedule)	TRAV2M1	4		
Master [120] in Labour sciences (shift schedule)	TRAV2M	4		