



3.00 credits

15.0 h + 15.0 h

Q1

Teacher(s)	Legrand Catherine ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	<p>Written exam - 2 hours - closed book - A form with formula provided by the teacher and a non-programmable calculator are allowed.</p> <p>The exam consists mainly in exercices but could also include theoretical questions.</p> <p>One (non-mandatory) dispensatory evaluation at the beginning of the semester and one (mandatory) evaluation test are organised at the end of the course. Students with at least 14/20 for the dispensatory evaluation or at least 12/20 for the evaluation test will be allowed to not perform the exam.</p>
Teaching methods	Formal lectures and exercices sessions onsite.
Content	<p>This course reviews the prerequisites in mathematics for the courses of the certificates and masters in statistics.</p> <p>On particular, fundamental concepts of combinatory analysis, matrix algebra, analysis of single and multiple variables functions (including limits, derivatives and integrals).</p>
Inline resources	Moodle Website - LSTAT2011: Éléments de mathématiques pour la statistique
Bibliography	<p>Wackerly et al. (2002) Mathematical Statistics with Applications</p> <p>Dowling E.T. (1995) Mathématiques pour l'économiste</p> <p>Dodge Y. (2007) Mathématiques de base pour économistes</p> <p>Lecoutre J.P. (1998) Statistique et probabilités</p>
Faculty or entity in charge	LSBA

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Advanced Master in Quantitative Methods in the Social Sciences	LMQS2MC	3		
Minor in Statistics, Actuarial Sciences and Data Sciences	MINSTAT	3		
Certificat d'université : Statistique et science des données (15/30 crédits)	STAT2FC	3		