


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 of 2 hours, closed-book, with the use of a basic calculator (single-line display). The exam mainly consists of exercises to solve but may include theoretical questions.</p> <p>A non-mandatory exemption test is organized at the beginning of the semester, and a mandatory evaluation will be held at the end of the course outside of the exam period. Both evaluations are at the same level as the exam and are conducted in a similar manner. Students who score at least 14/20 on the exemption test or at least 12/20 on the evaluation outside of the exam period may be exempted from the final 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. 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 Dowling E.T. (1995) Mathématiques pour l'économiste Dodge Y. (2007) Mathématiques de base pour économistes 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
Minor in Statistics, Actuarial Sciences and Data Sciences	MINSTAT	3		
Certificat d'université : Statistique et science des données (15/30 crédits)	STAT2FC	3		