UCLouvain

# lstat2011

*2019*

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.

| 3 credits | 15.0 h + 15.0 h | Q1 |
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| Teacher(s) | Legrand Catherine ; |
| Language : | French |
| Place of the course | Louvain-la-Neuve |
| Aims | *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".* |
| Evaluation methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>Written exam - 2 hours - closed book - Form with formula and simple calculator allowed.<br>Theoretical questions and exercices.<br>One (non-mandatory) dispensatory evaluation at the beginning of the course and one (mandatory) evaluation test organised at the end of the course. |
| Teaching methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>Formal lectures and exercices sessions |
| Content | This course reviews the prerequisites in mathematics for the courses of the certificates and masters in statistics.<br>On particular, fundamental concepts of combinatory analysis, matrix algebra, analysis of single and multiple variables functions (including limits, derivatives and integrals). |
| Inline resources | Moodle Website - LSTAT2011: Eléments de mathématiques pour la statistique |
| Bibliography | Wackerly et al. (2002) Mathematical Statistics with Applications<br>Dowling E.T. (1995) Mathématiques pour l'économiste<br>Dodge Y. (2007) Mathématiques de base pour économistes<br>Lecoutre J.P. (1998) Statistique et probabilités |
| Faculty or entity in charge | LSBA |

## Programmes containing this learning unit (UE)

| Program title | Acronym | Credits | Prerequisite | Aims |
|---|---|---|---|---|
| Certificat d'université : Statistique et sciences des données (15/30 crédits) | STAT2FC | 3 | | |