# LMAT2140

*2013-2014*

# Algebraic topology

| 5.0 credits | 45.0 h | 2q |
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| Teacher(s) : | Lambrechts Pascal ; Dos Santos Santana Forte Vaz Pedro ; |
| Language : | Français |
| Place of the course | Louvain-la-Neuve |
| Main themes : | The course will cover two main topics : the fundamental group and an homology theory (singular or simplicial homology). The theory will be illustrated by many examples and applications. |
| Aims : | A first invitation to algebraic topology : homotopy and homology. <br> *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".* |
| Other infos : | Precursorycourses Basic point set topology. <br> Supplemental courses Complements of algebraic topology. |
| Cycle and year of study : | > Master [120] in Mathematics <br> > Master [60] in Mathematics |
| Faculty or entity in charge: | MATH |