# UCL
### Université catholique de Louvain

## LMAPR2680
### 2013-2014

# Treatments of gaseous wastes

| 4.0 credits | 30.0 h + 7.5 h | 1q |
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| Teacher(s) : | Françoisse Olivier ; Devaux Jacques ; |
| Language : | Anglais |
| Place of the course | Louvain-la-Neuve |
| Main themes : | In a first part, a first chapter concerns atmospheric parameters and main data used in atmospheric pollution (Definitions and general data in environmental chemistry, atmosphere, pollution). A second chapter gives general information about atmospheric pollutants (ubiquitous compounds, lifetime, sources and wells, interior air, photochemical reactions, OH° radicals). This part ends by a systematic presentation of main atmospheric pollutants.<br>A second part deals with technical process to treat and/or to remove dust, acid gases, nitrogen oxides, heavy metals, Volatile Organic Compounds (VOC) and odours. |
| Aims : | Treatment of flue gas for clean disposal and/or valorisation by energy recovery or technical recycling.<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".* |
| Content : | Scientific and technical information courses are given ex cathedra while seminars by invited specialists or by groups of students are devoted to case studies (specific pollutants, odours,<br>) |
| Other infos : | Nil |
| Cycle and year of study : | > Master [120] in Environmental Bioengineering<br>> Master [120] in Environmental Science and Management<br>> Master [120] in Chemistry and Bio-industries<br>> Master [120] in Civil Engineering<br>> Master [120] in Computer Science and Engineering<br>> Master [120] in Mathematical Engineering<br>> Master [120] in Mechanical Engineering<br>> Master [120] in Computer Science<br>> Master [120] in Electrical Engineering<br>> Master [120] in Biomedical Engineering<br>> Master [120] in Chemical and Materials Engineering |
| Faculty or entity in charge: | FYKI |