

# Industrial applications of chemistry

**Lecturer**

Marie-Paule DELPLANCKE (Coordinator)

**Course mnemonic**

CHIM-S201

**ECTS credits**

5 credits

**Language(s) of instruction**

English

**Course period**

Second term

## References, bibliography and recommended reading

"Chimie Industrielle", 2d edition, R. Perrin, J.-P. Scharff, Dunod, 2002

## Other information

### Contact(s)

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## Evaluation method(s)

Other

### Evaluation method(s) (additional information)

written and oral exams including theory and exercises

### Determination of the mark (including the weighting of partial marks)

if the student presents exclusively the laboratories and the written examination: 20% laboratory note + 80% written exam

If the student presents also the oral examination: 20% laboratory note + 40% written exam + 40% oral exam

### Main language(s) of evaluation

French and English

## Programmes

### Programmes proposing this course at the Solvay Brussels School of Economics and Management

BA-ECON | Bachelor in Economics : General | option Français/unit 3 and BA-INGE | Bachelor in Business engineering | option Français/unit 2 and option Anglais/unit 2

## Course content

Presentation of the factors to take into account when choosing a chemical process of synthesis (thermodynamic, kinetics, environmental...). Illustration by a few major industrial processes: metallurgy (iron, aluminum, copper), corrosion prevention, acid and basic synthesis, polymers...

## Objectives (and/or specific learning outcomes)

To illustrate and apply the principles of chemistry by industrial processes providing every day goods.

## Pre-requisites and co-requisites

### Pre-requisites courses

CHIM-S101 | Chimie générale | 5 crédits

## Teaching method and learning activities

formal (ex-cathedra) classes