

Industrial applications of chemistry

Lecturer

Marie-Paule DELPLANCHE (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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Course content

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

Evaluation method(s)

Other

Evaluation method(s) (additional information)

written and oral exams including theory and exercices

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