

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

5 credits	30.0 h + 60.0 h	Q2
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Teacher(s)	Dupont Christine (coordinator) ;Ghislain Michel ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	<i>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".</i>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Grades are given throughout the semester (individual and group reports).</p> <p>Part A: individual work or by groups of 2 students - homework and tests - 60% of final grade</p> <p>Part B: work by groups of 5 to 7 students - oral presentation of the project and submission of the related calculation file - 40% of final grade</p> <p>No exam neither in June nor in August.</p> <p>Note that individual penalties are applied in case of absence to the practical sessions or to any other compulsory activity, as extensively advertised during the course and on the Moodle platform of the course.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Resolution of problems through the modeling of chemical equilibria. Individual work in the beginning of the semester, work by groups of two students in the middle of the semester, then in groups of 6 students at the end of the semester.</p> <p>In reason of the limited number of places in classrooms this year (COVID-19 crisis), some of these activities may be carried out remotely.</p>
Content	<p>Lectures: disciplinary (solubility and complexation equilibria) and transversal (project management, modeling and communication) skills</p> <p>Practicals: Use of spreadsheets to (i) solve - individually then by two students - problems related to the prediction of chemical equilibria, (ii) carry on a project by groups of 6 students, around a question linked to daily life and resting on chemical equilibria. The outcome of this project is presented orally to the other students.</p>
Inline resources	See the Moodle platform of the course
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Bioengineering	BIR1BA	5		