

5.00 credits

30.0 h + 60.0 h

Q2

Teacher(s)	Dupont Christine (coordinator) ; Ghislain Michel ; Huybrechts Thibaut (compensates Dupont Christine) ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	<p>Grades are given throughout the semester (individual and group reports - continuous evaluation).</p> <p>Part A: individual work - homework and/or tests - 50% of final grade</p> <p>Part B: work by groups of 2 students - 10% of final grade</p> <p>Part C: 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 in June. In case the credits of the course were not acquired at the end of June session, an exam will be proposed in August to replace the grade of part A of the evaluation solely. There is no second chance for parts B and C.</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	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.
Content	<p>Lectures: disciplinary (solubility and complexation equilibria; gas solubility) 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	Learning outcomes
Bachelor in Bioengineering	BIR1BA	5		