



## CHIM2224 Analytical chemistry II

[22.5h] 2.5 credits

This course is taught in the 2nd semester

**Teacher(s):** Yann Garcia  
**Language:** French  
**Level:** Second cycle

### Aims

This course is an extension to CHIM 2154 and gives a general introduction to the main instrumental methods. The emphasis is put on the principles, application ranges, possibilities and limitations of each techniques. The formation should allow the student to direct an analysis towards the most appropriate solutions but does not correspond to a specialisation in the fields covered by this course. Complement on gas and liquid chromatography

### Main themes

- Complement on electroanalytical methods
- X-Ray diffraction and X-ray fluorescence
- X-Ray absorption: EXAFS, XANES and WAXS
- Neutron diffraction (main instruments)

### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites: CHIM2154

Students concerned: CHIM22, ESPD3DS/ST, SBIM3DS/T, TOX2.

### Programmes in which this activity is taught

<b>ESP3DS</b>	Diplôme d'études spécialisées en santé publique
<b>ESP3DS/ST</b>	Diplôme d'études spécialisées en santé publique (santé au travail)
<b>SBIM3DS/TA</b>	Diplôme d'études spécialisées en sciences biomédicales (Toxicologie analytique)

### Other credits in programs

<b>CHIM22</b>	Deuxième licence en sciences chimiques
<b>ESP3DS/TI</b>	Diplôme d'études spécialisées en santé publique (santé au travail - toxicologie industrielle)