

Discipline	Health Sciences
Title of the course	Phytochemistry of active compounds Labwork
Code	Code de l'UE
Duration Date start Date end	<ul style="list-style-type: none"> - 6 ECTS - 3rd semester of Master (exact time schedule to be determined: Early January to end) - 52 hours Labwork per student
Course coordinator and contact details	<ul style="list-style-type: none"> - Pierre Waffo-Teguo pierre.waffo-teguo@u-bordeaux.fr - Tristan Richard tristan.richard@u-bordeaux.fr
Other contact person	<ul style="list-style-type: none"> - Florence Lartigaut - florence.lartigaut@bordeaux.inra.fr
Mode of delivery	- Labwork
Level	- Master
ECTS credit points	- 152 hours= 52 contact hours Labwork
Language	- French
Description¹	The practical course is designed for the applications of various analytical methods from the plant to chemically defined active substances
Content	<ul style="list-style-type: none"> - Extraction methods (solid/liquid and liquid/liquid) - Purification and isolation (Chromatography techniques) - Characterisation techniques (UV, IR, Mass spectrometry, NMR) - Analysis and quantification of natural product - Bioassays (Antioxydant, anti-inflammatory, ...)
Methods	- Labwork
Assessment procedures	<ul style="list-style-type: none"> - Continuous assessment which validates knowledge with oral exam, - oral exam: 20 min / student - % weight of overall mark: 60% for oral Exam and 40% continuous assessment - Rules and protocol for failure: Overall grade of 10/20 necessary to pass the exam
Prerequisites	<ul style="list-style-type: none"> - 1st year of Master in Biological science - 1st year of Master in natural products chemistry - 1st year of Master in Food chemistry - Language prerequisites: French and/or English
Other information	- Maximum number of students : 15

Please note that the number of places available may be limited for certain classes.