

# Etude des médicaments : Pharmacognosie et médicaments d'origine naturelle

## Lecturer

Caroline STEVIGNY (Coordinator)

## Course mnemonic

PHAR-J303

## ECTS credits

5 credits

## Language(s) of instruction

French

## Course period

First term

## References, bibliography and recommended reading

Bruneton J. (2009) "Pharmacognosie. Phytochimie. Plantes médicinales", 4ème Ed., TecetDoc, Paris

Heinrich M (2012) "Fundamentals of pharmacognosy and phytotherapy", 2nd Ed., Elsevier.

Evans W.C. (2009) "Trease and Evans Pharmacognosy", 16th Ed., W.B. Saunders, Edinburgh

Dewick P.M. (2011) "Medicinal natural products. A biosynthetic approach", 3rd Ed., John Wiley et Sons Ltd, Chichester.

Wichtl et Anton (2003) "Plantes thérapeutiques : tradition, pratique officinale, science et thérapeutique" (2ème Ed), TecetDoc, Paris

## Course content

Secondary metabolism, structure and general properties of major classes of primary and secondary metabolites, production of medicinal plants and biologically active secondary metabolites, standardization, testing and regulations applied to medicinal plants and extracts, major natural products classified according to their biological activities and / or their pharmaceutical interest.

## Objectives (and/or specific learning outcomes)

At the end of this course, students will be able to understand the phytochemistry and pharmacology of raw materials of plant and animal origin and active ingredients derived therefrom. It will be able to recognize the main herbal drugs macroscopically and using the microscope. It will be capable of performing analysis of plant materials according to the European Pharmacopoeia.

## Pre-requisites and co-requisites

### Pre-requisites courses

BIOL-J201 | Introduction à l'étude des plantes médicinales | 5 crédits

## Teaching method and learning activities

Lectures and practical work

## Other information

### Contact(s)

Laboratoire de Pharmacognosie, Bromatologie et Nutrition Humaine, CP 205/09

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## Evaluation method(s)

Other

### Evaluation method(s) (additional information)

Written exam including different types of questions: definitions, true or false, recognition of structures and open questions.

### Determination of the mark (including the weighting of partial marks)

Written test, 100% of the mark

### Main language(s) of evaluation

French

## Programmes

Programmes proposing this course at the faculty of Pharmacy

BA-PHAR | Bachelor in Pharmacy | unit 3